





चतुर्दश दीक्षांत समारोह प्रतिवेदन



14th Convocation Report

2025-26



Volume - I
Highlights of the Institute





भारतीय प्रौद्योगिकी संस्थान इंदौर
Indian Institute of Technology Indore

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About Us

Indian Institute of Technology Indore located in Madhya Pradesh, known as IIT Indore or IITI, is an institute of national importance. The institution started functioning from 2009-10 in a temporary campus at Institute of Engineering and Technology of Devi Ahilya University under mentorship of IIT Bombay. Shri Arjun Singh, the then Union HRD minister, laid the foundation of the permanent campus, spread over an area of around 501.42-acre (2.1 km2), on 17th February 2009 at Simrol, a location on Khandwa Road about 25 km from the city of Indore. Since, February 2016, IIT Indore has started functioning from its permanent campus.

Infrastructure of the Institute: Total area 501 acres. Total Constructed area: 2,30,000 sq. mtr. and occupied during the Phase I Infrastructure development which includes 5 hostels, Academic PoD Buildings, Learning Resource Center (Central Library, Administrative Building, Lecture Hall Complex with Seminar Hall and Auditorium, Community Health Center, Central Dining Facility, 3 Residencial Units, Sports Complex (Indoor and Outdoor), Kendriya Vidyalaya Building PMAJAY Hostel, Multilevel Parking, Forest Beat Office and Allied Services).

Departments/Streams:

- Astronomy, Astrophysics and Space Engineering
- Biosciences and Biomedical Engineering
- Computer Science and Engineering
- Electrical Engineering
- Mechanical Engineering
- Metallurgical Engineering and Materials Science
- School of Innovation
- Chemical Engineering
- Civil Engineering
- Humanities and Social Sciences
- Physics
- Chemistry
- Mathematics
- School of Sustainability

Academic Programmes Available:

- BTech
- MSc, MSc+PhD dual degree
- MS (Research), MS (Research)+PhD dual degree
- MS in Data Science and management (MS-DSM)
- MSDSM
- Bachelor of Sciece (BS)
- BTech + MTech Dual degree
- MTech, MTech+PhD dual degree
- Student Exchange Program (SEP)
- PhD
- Bachelor of Design (B. Des)

Upcoming Programmes:

Civil Engineering:	M. Tech in Transport System Engineering (from A.Y 2026-27) M. Tech in Geotechnical Engineering (from A.Y 2026-27) M. Tech in Transportation Planning (from A.Y 2027-28)
Chemical Engineering:	M. Tech in Chemical Process Design and Intelligence (from A.Y 2026-27)
Mehta Family School of Biosciences and Biomedical Engineering	B. Tech in Biomedical Engineering and Data Science (from A.Y 2026-27)
Mehta Family School of Sustainability	Ph.D. Programe in Interdisciplinary area of sustainability (from A.Y 2026-27)
	B. Tech in Environmental Economics and Sustainable Engineering
Department of Chemistry	Bachelor of Science in Applied and Industrial Chemistry (from A.Y 2026-27)

Mission

The driving force behind the 21st Century is the development of knowledge-intensive societies. It has led to establishment of new Institutes of higher learning in India. Indian Institute of Technology Indore, established in 2009, is part of the initiative that envisages India as a global knowledge and technology leader. Continuing with the tradition of the older IITs, IIT Indore aims to play an active role in propelling India on her growth-trajectory by focusing on research-based education and innovation driven research and entrepreneurship. IIT Indore aims to achieve this mission with humanistic concerns.

Vision

Academics

- To inculcate and promote an academic community with independence of thought and free expression of research and innovation ideas.
- To provide a balance of continuously updated knowledge with an extensive hands-on training on sophisticated facilities.
- To start new academic programs in the futuristic areas such as data science, electric vehicles, intelligent transport system, space engineering, Indian scientific knowledge, etc.
- To increase internationalization of the Institute by selecting increasing number of international students and engaging distinguished international faculty in teaching and research.
- To increase candidates from Industries, Defense forces, and Engineering Institutions in different PG and PhD programs.
- To increase involvement of adjunct faculty from Industries for teaching, research, and innovation.
- To involve experts from reputed industry and Foreign Universities for curricula design.

Research, Development, and Entrepreneurship

- Promote inter-disciplinary research in science, engineering, and humanities and social sciences.
- Conduct disruptive and social impacting research some chosen areas such as sustainable development, climate change, food and water security.
- Promote industry-oriented research leading to new products, processes, and technologies.
- Focus on convergence of life sciences, medical sciences, and agricultural sciences with engineering.
- Promote culture of start-ups and entrepreneurship by establishing Industrial Research Park which will be a focal point in Central India.
- Aggressive patenting and protection of IPR.

Objectives

- Enhancement of Academic, Technological, and Social outreach of the Institute through societal research, education, healthcare, sanitation, and rural development.
- Development of world-class research and learning facilities for industries, teaching, and research institutions.
- Skill development and scaling up the research and innovation towards the national requirements.
- To contribute to the development of world-class technological innovation in Engineering and Biomedical instrumentation, Defense, E-vehicles, alternate energy resources, etc.



Director's Message

It gives me immense pleasure to extend my warmest congratulations to the 807 graduating students of the Indian Institute of Technology Indore, and to their parents, mentors, and faculty members, on this momentous occasion. The **14th Convocation of the Institute** marks the culmination of your years of dedication, intellectual rigour, perseverance, and hard work. Today, as you receive your degrees, we celebrate your academic accomplishments. We believe that the education imparted here designed your personal growth and resilience for your future journey.

At IIT Indore, our endeavour has always been to nurture graduates who are intellectually curious, innovative in their thinking, and deeply conscious of their responsibilities towards society. Your education here has equipped you with the ability to think critically, collaborate effectively, and uphold the values of integrity, empathy, and service. These qualities will enable you to navigate in an increasingly complex and dynamic world with confidence and purpose.

The Institute continues to advance its vision of **"Knowledge for Growth of All"** through six strategic pillars: Enhancing Societal Connect, Revitalising Corporate and Industry Relations, Enhancing Student Experience, Creating Leadership and Expertise, Catalysing Translational Research, and Establishing Robust Entrepreneurship. Guided by the principles of the National Education Policy (NEP) 2020, we have comprehensively revised our B.Tech. and Master's programmes to provide greater academic flexibility, interdisciplinary learning opportunities, and access to a broader range of courses, including those focused on societal and professional development.

As part of our commitment to future-oriented education, the Institute is pleased to launch three new undergraduate programmes from July 2026: **B.Tech. in Environmental Economics and Sustainable Engineering, B.Tech. in Biomedical Engineering and Data Science, and B.S. in Applied and Industrial Chemistry.** These programmes have been designed to address emerging societal and technological challenges while preparing graduates for leadership in rapidly evolving domains.

Our commitment to educational outreach and societal engagement continues to grow. In addition to our longstanding collaborations with academic institutions, research laboratories, healthcare organisations,

and industry partners across the region, IIT Indore has been awarded a grant of ₹100 crore by the Anusandhan National Research Foundation **(ANRF)** for the **PAIR - Saksham program** to strengthen the academic and research ecosystems with six partner institutions. Furthermore, recognising the importance of translating research into impactful technologies and solutions, the Institute has established a **Technology Translational Research Park (TTRP)** with support of ₹150 crore from the Department of Science and Technology, Government of India under the NMILPS scheme.

The past year also marked a significant milestone in the Institute's international journey. In July 2025, IIT Indore received its first major international endowment from the **Mehta Family Foundation, Houston, Texas, USA.** This generous contribution enabled the Institute establish the **Mehta Family School of Biosciences and Biomedical Engineering** and the **Mehta Family School of Sustainability.** Both the schools will commence their undergraduate programmes in July 2026. At the same time, the Institute has continued to strengthen its global presence through collaborations spanning 40 countries and more than 200 international engagements, including research partnerships, exchange programmes, fellowships, and initiatives leading to joint Master's and doctoral degrees with leading universities worldwide.

The Institute has also made substantial progress in developing a sustainable and future-ready campus. New facilities such as **Kshitij Mandapam, PM Ajay Hostel,** the **Clean Room Bio Lab,** and **Meghdoot Sarovar** have enriched the campus environment while reinforcing our commitment to ecological sustainability. Construction of Heavy and Sophisticated Laboratory Complex, three additional student hostels, and residential complexes for employees worth ₹496 crore is already in the final stages of completion. These developments form part of the ambitious Phase III expansion of additional ₹620 crores, which will further include two academic pod buildings, state-of-the-art lecture halls, an Industrial Research Park, and a vibrant Students' Activity Centre.

Student development remains at the heart of our mission. Through initiatives such as **Genesis,** our nine-day induction and orientation programme; **Makerspace,** which promotes creativity and innovation through hands-on learning; and experiential opportunities including rural immersion, design thinking, engineering electives, and industrial internships, we continue to provide a holistic educational experience to our students. We also take pride in having hosted our first Aquatic Meet and the Inter-IIT Sports Meet, while introducing a **Sports Excellence Seat in every B.Tech. programme** to encourage and recognise sporting achievement.

I am pleased to note that the Institute recorded another successful placement season this year, with **270 offers secured by B.Tech. students and 108 offers by Master's students, supported by the participation of more than 140 organisations.** Our Alumni and Corporate Relations Office has further strengthened ties with our growing alumni community through several key initiatives. To engage with our global alumni network, the Institute organized its first overseas alumni gathering in Tokyo, providing a platform for alumni to reconnect and strengthen their association with the Institute. In recognition of the outstanding accomplishments of our graduates, the Institute also presented its inaugural Young Alumni Achiever Award, celebrating the achievements and contributions of distinguished young alumni.

Today, we also recognise the exceptional accomplishments of students who have received prestigious honours, including the **President of India Gold Medal, Institute Gold Medals, Institute Silver Medals, the Best B.Tech. Project Award, and the Buti Foundation Gold Medal** awarded to the best woman student among all Master's graduates.

As you embark upon the next chapter of your lives, I encourage you to carry forward the values, knowledge, and experiences that you have gained at IIT Indore. Success is built upon perseverance, discipline, and your commitment to continuous learning. The education you have received here will serve as a strong foundation upon which you will build your future achievements.

As alumni, you will remain lifelong ambassadors of the Institute. Your accomplishments, conduct, and contributions will continue to shape the reputation and legacy of IIT Indore. We look forward to remaining connected with you through our alumni networks, and we offer a lifelong institutional email facility so as to keep you linked to your alma mater.

I wish each one of you a future filled with purpose, fulfilment, and distinction. May you continue to innovate, lead, and contribute meaningfully to the advancement of the society, the nation, and the world.

Suhas S Joshi
Director IIT Indore

Board of Governors, IIT Indore



Chairperson

Dr. K. Sivan
Indian Institute of Technology Indore
(w.e.f August 22, 2023)

Members

Professor Suhas S. Joshi
Director, Indian Institute of Technology Indore

Smt. Saumya Gupta
Joint Secretary (TE), Govt. of India,
Ministry of Education, New Delhi

Shri Manish Singh, IAS
Principal Secretary
Department of Technical Education & Skill Development,
Govt. of Madhya Pradesh

Professor Yogesh M. Joshi
Department of Chemical Engineering, IIT Kanpur

Prof. Aruna Tiwari, (Senate Nominee)
Department of Computer Science and Engineering
Indian Institute of Technology Indore

Prof. Biswarup Pathak (Senate Nominee)
Department of Chemistry
Indian Institute of Technology Indore

Mr. S. P. Hota
Registrar and Secretary to BoG
Indian Institute of Technology Indore

Institute Functionaries



Director, IIT Indore
Prof. Suhas S. Joshi
w.e.f. January 31, 2022



Dean, Academic Affairs
Prof. Ankhi Roy
(w.e.f June 1, 2026



Dean, Academic Affairs
Prof. Vipul Singh
(from June 1, 2023 to May 31, 2026)



Dean, Educational Outreach
Prof. Devendra L. Deshmukh



Dean, Administration
Prof. Sandeep Chaudhary



Dean, Infrastructure Development
Prof. Pankaj R. Sagdeo



Dean, Research and Development
Prof. Abhirup Datta



Dean, Student Affairs
Prof. Amod C. Umarikar



Dean, International Relations
Prof. Prabhat Kumar Upadhyay



Dean, Faculty Affairs
Prof. Abhishek Srivastava



Dean, Alumni and Corporate Relations (ACR)
Prof. Suman Mukhopadhyay



Dean, IT Infrastructure & Automation
Prof. Satya S. Bulusu



Registrar, IIT Indore
Mr. S. P. Hota

Associate Deans

Academics (PG/Ph.D Programs)	:	Prof. Somnath Dey
Research and Development- I	:	Prof. Surya Prakash
Administration (Finance & MMS)	:	Prof. Pavan K. Kankar
Student Affairs-I	:	Dr. Jayaprakash Murugesan
Student Affairs-II	:	Dr. Abhijeet Joshi

Heads of Departments

Humanities and Social Sciences	:	Prof. Ruchi Sharma
Mehta Family School of Bioscience and Biomedical Engineering	:	Prof. Parimal Kar
Mehta Family School of Sustainability	:	Prof. Pritee Sharma
Electrical Engineering	:	Dr. Swaminathan R.
Mechanical Engineering	:	Prof. Anand Parey
Computer Science and Engineering	:	Dr. Ranveer Singh
Metallurgical Engineering and Materials Science	:	Dr. Ajay Kumar Kushwaha
Civil Engineering	:	Dr. Gourab Sil
Astronomy, Astrophysics and Space Engineering	:	Dr. Saurabh Das
Chemical Engineering	:	Dr. Eswar Prasad Kormilli
Mathematics	:	Dr. Sanjeev Singh
Physics	:	Prof. Preeti A. Bhobe
Chemistry	:	Dr. Umesh A. Kshirsagar

Professor In-charge of Centers

Center of Advanced Electronics	:	Prof. Vivek Kanhangad
Center of Futuristic Defense and Space Technology (CFDST)	:	Dr. Bodhisatwa Mazumdar
Centre for Entrepreneurship Education and Development	:	Prof. Shaikh M. Mobin
Center for Rural Development and Technology	:	Prof. Debayan Sarkar
DST-FIST Center of Excellence in Gear Engineering	:	Prof. Neelesh Kumar Jain
Sophisticated Instrument Center (SIC)	:	Prof. Apurba K. Das
Center for Indian Scientific Knowledge Systems	:	Prof. G. S. Murthy
Center for Electric Vehicle and Intelligent Transport Systems	:	Dr. Sunil Kumar
Career Advancement and Mentoring Centre	:	Dr. Ankur Miglani
Central Workshop	:	Dr. Dan Sathiaraj
Professor In-Charge, Sports Promotion	:	Dr. Swaminathan R.

Senate Meeting During July 2025 to June 2026		
1	55th Senate Meeting	08.07.2025
2	56th Senate Meeting	17.09.2025
3	57th Senate Meeting	17.10.2025
4	58th Senate Meeting	26.11.2025
5	59th Senate Meeting	22.12.2025
6	60th Senate Meeting	29.01.2026
7	61st Senate Meeting	26.02.2026
8	62nd Senate Meeting	20.04.2026
9	63rd Senate Meeting	19.05.2026
10	64th Senate Meeting	23.06.2026

BOG Meetings During July 2025 to June 2026		
1	57th BoG Meeting	09 July 2025
2	58th BoG Meeting	08 December 2025
3	59th BoG Meeting	27 March 2026

Members of Senate of IIT Indore

Chairman

Professor Suhas S. Joshi
Director, IIT Indore

External Experts

Professor Himanshu Rai	Director	Indian Institute of Management Indore, Prabandh Shikhar, Rau-Pithampur Road, Indore - 453556, M.P. India

Deans

Dean, Academic Affairs	Professor Ankhi Roy	Professor, Physics
Dean, Administration	Professor Sandeep Chaudhary	Professor, Civil Engineering
Dean, International Relations	Professor Prabhat Kumar Upadhyay	Professor, Department of Electrical Engineering
Dean of Infrastructure Development	Professor Pankaj Sagdeo	Professor, Physics
Dean, Research and Development	Professor Abhirup Datta	Professor, Department of Astronomy, Astrophysics and Space Engineering
Dean, Student Affairs	Professor Amod C. Umarikar	Professor, Electrical Engineering
Dean, Alumni and Corporate Relations	Professor Suman Mukhopadhyay	Professor, Chemistry
Dean, Faculty Affairs	Professor Abhishek Srivastava	Professor, Computer Science and Engineering
Dean, Educational Outreach	Professor Devendra Laxmanrao	DeshmukhProfessor, Mechanical Engineering
Dean of IT Infrastructure & Automation	Professor Satya S. Bulusu	Professor, Chemistry

Head of Departments

HOD, Civil Engineering	Dr. Gourab Sil	Associate Professor, Civil Engineering
HOD, Computer Science and Engineering	Dr. Ranveer Singh	Assistant Professor, Computer Science and Engineering
HOD, Electrical Engineering	Dr. Swaminathan R.	Associate Professor, Electrical Engineering
HOD, Mechanical Engineering	Professor Anand Parey	Professor, Mechanical Engineering

HOD, Metallurgical Engineering and Materials Science	Dr. Ajay Kumar Kushwaha	Associate Professor, Metallurgical Engineering and Materials Science
HOD, Astronomy, Astrophysics and Space Engineering	Dr. Saurabh Das	Associate Professor, Astronomy, Astrophysics and Space Engineering
HOD, Chemistry	Dr. Umesh A. Kshirsagar	Associate Professor, Chemistry
HOD, Mathematics	Dr. Sanjeev Singh	Associate Professor, Mathematics
HOD, Physics	Professor Preeti A. Bhobe	Professor, Physics
HOD, Chemical Engineering	Dr. Eswar Prasad Kormilli	Associate Professor

Head of Schools

HOS, School of Humanities and Social Science	Professor Ruchi Sharma	Professor, School of HSS
HOS, Mehta Family School of Bioscience & Biomedical Engineering	Professor Parimal Kar	Professor, School of BSBE
HOS, Mehta Family School of Sustainability	Professor Pritee Sharma	Professor, School of Sustainability

Professors

Professor Neelesh Kumar Jain	Mechanical Engineering
Professor Anand Parey	Mechanical Engineering
Professor Ram Bilas Pachori	Electrical Engineering
Professor Abhinav Kranti	Electrical Engineering
Professor Vimal Bhatia	Electrical Engineering
Professor Rajneesh Misra	Chemistry
Professor Suman Mukhopadhyay	Chemistry
Professor Subhendu Rakshit	Physics
Professor Krushna R. Mavani	Physics
Professor Sarika Jalan	Physics
Professor Sandeep Chaudhary	Civil Engineering
Professor Avinash Sonawane	Biosciences and Biomedical Engineering
Professor G. S. Murthy	Biosciences and Biomedical Engineering
Professor Santosh Kumar Vishvakarma	Electrical Engineering
Professor Shaibal Mukherjee	Electrical Engineering
Professor Vipul Singh	Electrical Engineering
Professor Prabhat Kumar Upadhyay	Electrical Engineering
Professor Trapti Jain	Electrical Engineering
Professor Mukesh Kumar	Electrical Engineering

Professor Manish Kumar Goyal	Civil Engineering
Professor Neelima Devarakonda Satyam	Civil Engineering
Professor Palani Iyamperumal Anand	Mechanical Engineering
Professor Bhupesh Kumar Lad	Mechanical Engineering
Professor Santosh Kumar Sahu	Mechanical Engineering
Professor Ritunesh Kumar	Mechanical Engineering
Professor Dhinakaran Shanmugam	Mechanical Engineering
Professor Aruna Tiwari	Computer Science and Engineering
Professor Abhishek Srivastava	Computer Science and Engineering
Professor Kapil Ahuja	Computer Science and Engineering
Professor Abhirup Datta	Astronomy, Astrophysics and Space Engineering
Professor Amit Kumar	Biosciences and Biomedical Engineering
Professor Prashant Kodgire	Biosciences and Biomedical Engineering
Professor Sk. Safique Ahmad	Mathematics
Professor Apurba Kumar Das	Chemistry
Professor Sampak Samanta	Chemistry
Professor Sanjay Kumar Singh	Chemistry
Professor Biswarup Pathak	Chemistry
Professor Nirmala Menon	Humanities and Social Sciences
Professor Pritee Sharma	Mehta Family School of Sustainability
Professor Ruchi Sharma	Humanities and Social Sciences
Professor Preeti Anand Bhobe	Physics
Professor Rajesh Kumar	Physics
Professor Sudeshna Chattopadhyay	Physics
Professor Parasharam Maruti Shirage	Metallurgical Engineering and Materials Science
Professor Swadesh Kumar Sahoo	Mathematics
Professor Raghunath Sahoo	Physics
Professor Amod C. Umarikar	Electrical Engineering
Professor Vivek Kanhangad	Electrical Engineering
Professor Srivathsan Vasudevan	Electrical Engineering
Professor Devendra Laxmanrao Deshmukh	Mechanical Engineering
Professor Pankaj Ramesh Sagdeo	Physics
Professor Ankhi Roy	Physics
Professor Somaditiya Sen	Physics
Professor Mohammad Mobin Abdul Mujeb	ShaikhChemistry
Professor Tushar Kanti Mukherjee	Chemistry
Professor Anjan Chakraborty	Chemistry
Professor Satya Silendra Bulusu	Chemistry
Professor Chelvam Venkatesh	Chemistry
Professor Kiran Bala	Mehta Family School of Sustainability

Professor Mirza Saqib Baig	Biosciences and Biomedical Engineering
Professor Anirban Sengupta	Computer Science and Engineering
Professor Neminath Hubballi	Computer Science and Engineering
Professor Rupesh Shivaji Devan	Metallurgical Engineering and Materials Science
Professor Santosh Sattappa Hosmani	Metallurgical Engineering and Materials Science
Professor Antony Vijesh Villavarayan	Mathematics
Professor Niraj Kumar Shukla	Mathematics
Professor Satyajit Chatterjee	Mechanical Engineering
Professor Kazi Sabiruddin	Mechanical Engineering
Professor Pavan Kumar Kankar	Mechanical Engineering
Professor Sharad Gupta	Biosciences and Biomedical Engineering
Professor Surya Prakash	Computer Science and Engineering
Professor Somnath Dey	Computer Science and Engineering
Professor Sanjaram Premjit Khanganba	Humanities and Social Sciences
Professor M. Tanveer	Mathematics
Professor Shailesh Kundalwal	Mechanical Engineering
Professor Debayan Sarkar	Chemistry
Professor Gourinath Banda	Computer Science and Engineering
Professor Mohd. Aquil Khan	Mathematics

Other Authorities

Chief Warden	Dr. Saptarshi Ghosh (Associate Professor, Electrical Engineering)
Convener, Health Center Advisory Committee	Dean, Administration
Workshop Superintendent, Central Workshop	Dr. Anand Petare

Alumni Representative (for non-evaluation item only)

Student Representatives (for non-evaluation item only)

General Secretary, Student Gymkhana	Ex-officio
Academic Secretary, Student Gymkhana	Ex-officio

Secretary

Registrar, IIT Indore

Medal Winners and Graduating Students

Convocation Report - 14th Convocation-2026

One of the highlights of the 14th Convocation was the recognition of exceptional academic achievement and scholarly excellence through the conferment of prestigious Medals and Awards.

Celebrating merit, dedication, and perseverance, the Institute honoured its highest-performing students whose accomplishments exemplify the spirit of academic excellence and innovation fostered by the Institute.

In accordance with the policy approved by the Senate for the award of Gold Medals, Silver Medals, and the Best BTP Award, students from various academic programmes were selected for these distinguished honours. The awards recognize outstanding academic performance, exceptional BTP project work, and all-round excellence demonstrated during their academic journey at the Institute.

The list of awardees approved for the conferment of these medals and awards is presented below:

Indian Institute of Technology Indore

14th Convocation 2026:
Recipients of Medals and Awards

THE PRESIDENT OF INDIA GOLD MEDAL

For the Best Academic Performance among all the UG graduating students



Mr. Madan P
B.Tech. CSE
Roll No. 220001043

INSTITUTE SILVER MEDAL

Conferred upon the graduating undergraduate student adjudged to have achieved the best academic record in the respective department



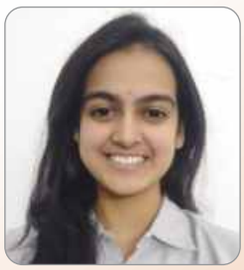
Mr. Aviral Sharma
B.Tech. CSE
Roll No. 220001014



Mr. Kumar Anmol
B.Tech. EE
Roll No. 220002044



Mr. Hrishikesh Jawale
B.Tech. ME
Roll No. 220003038



Ms. Edula Charmi Reddy
B.Tech. CE
Roll No. 220004017



Mr. Dhruv Jain
B.Tech. MEMS
Roll No. 220005018

INSTITUTE SILVER MEDAL

For the best overall performance among all the graduating PG students (M.Tech. and M.Sc. Programs)



Ms. Shiksha Singh
M.Tech. (CE)
Roll No. 2402104017



Ms. Smita Karati
M.Sc. (BSBE)
Roll No.2403171020

BUTI FOUNDATION GOLD MEDAL

For the Best Academic Performance among all the graduating female PG students



Ms. Gladys J
M.Sc. (Chem.)
Roll No. 2403131010

VPP MENON GOLD MEDAL

For the Outstanding Ph.D. Dissertation among all graduating female students



Dr. Harpriya Minhas
Ph.D. (Chem.)
Roll No. 2101131002

Thesis Title: *"ML and GNN Potential–Driven Acceleration of Thermoelectric Material Design Through Bonding Hierarchies"*

AGAM PRASAD MEMORIAL GOLD MEDAL

For the outstanding Ph.D. Dissertation work among the different departments



Dr. Arpit Kumar Singh
M.Tech+Ph.D. (ME)
Roll No. 2206103001

Thesis Title: *"Investigations on laser interaction of polyimide for synthesis of Laser Induced Graphene towards Triboelectric Nano- generation applications"*

SHRI. GANTI SUBBA RAO & SMT. GANTI VENKATA RAMANI AWARD

For the outstanding PhD dissertation work by a student among different engineering departments at IIT Indore



Dr. Saurabh Mishra
Ph.D. (ME)
Roll No. 2201103002

Thesis Title: *"Atomistic Modeling and Experimental Investigations of Carbon Nanotube-Based Systems for Hydrogen Storage and Leakage Mitigation"*

ASHOK BANSAL MEMORIAL GOLD MEDAL

For the outstanding PhD Dissertation work by a female student among different departments



Dr. Nabasmita Phukan
PhD (EE)
Roll No. 2201102004

Thesis Title: *"Deep learning and signal processing-based methods for detection of life-threatening cardiac arrhythmias"*

INSTITUTE GOLD MEDAL

For the Best All Round Performance among all the graduating students



Dr. Arpit Kumar Singh
M.Tech+Ph.D. (ME)
Roll No. 2206103001

BEST B.TECH. PROJECT (BTP) AWARD

Amongst all the graduating B.Tech



Mr. Dhruv Jain
B.Tech. (MEMS)
Roll No. 220005018

Project Title: *"Synthesis and Optimization of Pure Phase CuFeO2 Delafossite and Its Nanocomposites as Electrode for Water Splitting"*

MSDSM SILVER MEDAL

For the Best Academic Performance among all the graduating students of MS-DSM Program



Mr. Gupta Hritvikk
Roll No. 2404107027

Summary of 807 students who have completed all the prescribed requirements for the award of degree during 14th Convocation of the Institute.

Number of Students Graduated for 14th Convocation-2026

Programme	Department	Female	Male	Grand Total
B.Tech.	Civil Engineering	8	40	48
	Computer Science & Engineering	16	72	88
	Electrical Engineering	17	68	85
	Mechanical Engineering	19	63	82
	Metallurgical Engineering and Materials Science	19	40	53
	Total	**73**	**284**	**356**
M.Sc.	Astronomy, Astrophysics and Space Engineering	4	8	12
	Mehta Family School of Biosciences and Biomedical Engineering	11	9	20
	Chemistry	8	20	28
	Mathematics	4	13	17
	Physics	7	18	25
	Total	**34**	**68**	**102**
M.Tech.	Astronomy, Astrophysics and Space Engineering	3	0	3
	Mehta Family School of Biosciences and Biomedical Engineering	3	5	8
	Center for Electric Vehicles and Intelligent Transport Systems	0	27	27
	Centre for Futuristic Defense and Space Technology (CFDST)	0	2	2
	Computer Science and Engineering	1	13	14
	Electrical Engineering	3	15	18
	Mechanical Engineering	3	41	44
	Civil Engineering	5	12	17
	Metallurgical Engineering and Materials Science	3	10	13
	Total	**20**	**126**	**146**

MS (Research)	Astronomy, Astrophysics and Space Engineering	1	1	2
	Computer Science & Engineering	3	10	13
	Electrical Engineering	1	4	5
	Mechanical Engineering	0	3	3
	Total	**5**	**18**	**23**
MS-DSM	Master of Science in Data Science and Management	27	42	69
	Total	**27**	**42**	**69**
Ph.D.	Astronomy, Astrophysics and Space Engineering	0	3	3
	Mehta Family School of Biosciences and Biomedical Engineering	5	6	11
	Chemistry	6	9	15
	Civil Engineering	3	6	9
	Computer Science & Engineering	4	8	12
	Electrical Engineering	3	10	13
	Humanities and Social Sciences	8	5	13
	Mathematics	2	7	9
	Mechanical Engineering	0	8	8
	Metallurgical Engineering and Materials Science	1	2	3
	Physics	5	10	15
	Total	**37**	**74**	**111**
	Grand Total			**807**

Details of the students awarded with degrees are as under:

Graduating Students

S. No.	Roll No.	Student's Name	Program	Department
1	210004023	Kuldeep Meena	B.Tech.	CE
2	210004027	Manya Rajib Jain	B.Tech.	CE
3	220004001	Abhay Kumar	B.Tech.	CE
4	220004002	Abhay Kumar Ahirwar	B.Tech.	CE
5	220004003	Adi Jain	B.Tech.	CE
6	220004004	Agrim Jain	B.Tech.	CE
7	220004005	Akanksha	B.Tech.	CE
8	220004006	Alok Kumar	B.Tech.	CE
9	220004008	Anand Prakash	B.Tech.	CE
10	220004009	Anshul Bajaj	B.Tech.	CE
11	220004014	Atul Baghel	B.Tech.	CE
12	220004015	Avudoddi Hemanth	B.Tech.	CE
13	220004016	Biradhar Saketh	B.Tech.	CE
14	220004017	Edula Charmi Reddy	B.Tech.	CE
15	220004019	Guguloth Jolakumari	B.Tech.	CE
16	220004020	Harsh Sharma	B.Tech.	CE
17	220004022	Kartik Khandelwal	B.Tech.	CE
18	220004023	Kaushal Raj Soni	B.Tech.	CE
19	220004025	Khushboo	B.Tech.	CE
20	220004026	Kishan Gupta	B.Tech.	CE
21	220004027	Krrish	B.Tech.	CE
22	220004028	Kumar Srijan	B.Tech.	CE
23	220004029	Maddela Ezra	B.Tech.	CE
24	220004030	Manas Khatri	B.Tech.	CE
25	220004032	Palak Devdwal	B.Tech.	CE
26	220004033	Parth Jain	B.Tech.	CE
27	220004034	Pushkar Singh Kushwaha	B.Tech.	CE
28	220004035	Pushpendra Kumar Garg	B.Tech.	CE
29	220004037	Rishi Rathore	B.Tech.	CE
30	220004038	Roshan Saini	B.Tech.	CE
31	220004039	Sadhna Singh	B.Tech.	CE
32	220004040	Saifuddin Nagriwala	B.Tech.	CE
33	220004041	Saksham Gupta	B.Tech.	CE
34	220004043	Shashank Masane	B.Tech.	CE
35	220004044	Shiv Patel	B.Tech.	CE

36	220004045	Shivam Sundram	B.Tech.	CE
37	220004047	Srijan Siddharth	B.Tech.	CE
38	220004049	Valsa Harshith Netha	B.Tech.	CE
39	220004050	Vishal	B.Tech.	CE
40	220004051	Vivek Meena	B.Tech.	CE
41	220004052	Yadla Mohita Krishna	B.Tech.	CE
42	220004053	Yash Kumar Meena	B.Tech.	CE
43	220004054	Yedla Mourya	B.Tech.	CE
44	220004055	Yogesh Patidar	B.Tech.	CE
45	190001055	Sapavath Shashi Kumar	B.Tech.	CSE
46	210001047	Ochitya Kumawat	B.Tech.	CSE
47	210001057	Rahul Meena	B.Tech.	CSE
48	210001077	Vishesh Garg	B.Tech.	CSE
49	220001001	Aadish Jain	B.Tech.	CSE
50	220001002	Abhinav Gangil	B.Tech.	CSE
51	220001003	Aditi Ashish Wekhande	B.Tech.	CSE
52	220001004	Aditya Kshitiz	B.Tech.	CSE
53	220001005	Aditya Sachin Mastud	B.Tech.	CSE
54	220001006	Aditya Yadav	B.Tech.	CSE
55	220001007	Aman Pratap Singh	B.Tech.	CSE
56	220001008	Amit Tiwari	B.Tech.	CSE
57	220001009	Anirudh Gautam	B.Tech.	CSE
58	220001010	Annamshetti Sumanth	B.Tech.	CSE
59	220001011	Aravapalli Pavan Kumar	B.Tech.	CSE
60	220001012	Atharva Anil Sangawar	B.Tech.	CSE
61	220001013	Atharva Nanoti	B.Tech.	CSE
62	220001014	Aviral Sharma	B.Tech.	CSE
63	220001015	Ayitha Tribuvan	B.Tech.	CSE
64	220001016	Balabhadra Rithvik	B.Tech.	CSE
65	220001017	Bharat Kaurav	B.Tech.	CSE
66	220001018	Bhavanam Sai Pavan Kumar Reddy	B.Tech.	CSE
67	220001019	Bhukya Havish	B.Tech.	CSE
68	220001020	Chandekar Riddhi Umesh	B.Tech.	CSE
69	220001021	Cherupally Vinay	B.Tech.	CSE
70	220001022	Chiranjivi Keshav	B.Tech.	CSE
71	220001023	Darbha Kalyana Sriram	B.Tech.	CSE
72	220001024	Darshil Patel	B.Tech.	CSE
73	220001025	Debasish Padhy	B.Tech.	CSE
74	220001026	Deepak Yadav	B.Tech.	CSE

75	220001027	Devanshi Chhatbar	B.Tech.	CSE
76	220001028	Edula Bhoomika	B.Tech.	CSE
77	220001029	Garima Upadhyay	B.Tech.	CSE
78	220001031	Guntuku Rishwanth Sai	B.Tech.	CSE
79	220001032	Hitesh Maurya	B.Tech.	CSE
80	220001033	Jay Solanki	B.Tech.	CSE
81	220001034	Jonnalagadda Sai Pranay Deep	B.Tech.	CSE
82	220001035	Kalwaghe Pranav Santosh	B.Tech.	CSE
83	220001036	Kambam Sai Ruchitha	B.Tech.	CSE
84	220001037	Kanak Nagar	B.Tech.	CSE
85	220001038	Kapuganty Venkata Satya Teja	B.Tech.	CSE
86	220001039	Karan Jalindar Jadhav	B.Tech.	CSE
87	220001040	Kodudula Niketh Reddy	B.Tech.	CSE
88	220001041	Koneti Tejaswini	B.Tech.	CSE
89	220001042	Lalit	B.Tech.	CSE
90	220001043	Madan P	B.Tech.	CSE
91	220001044	Mallavarapu Sai Varshith	B.Tech.	CSE
92	220001045	Misha Jain	B.Tech.	CSE
93	220001048	Muskan	B.Tech.	CSE
94	220001049	Naren Kumar Sai Kaja	B.Tech.	CSE
95	220001050	Neerupam	B.Tech.	CSE
96	220001051	Nikita Sanjay Tayade	B.Tech.	CSE
97	220001052	P C Uma Mahesh	B.Tech.	CSE
98	220001053	Panchangam Akhilesh	B.Tech.	CSE
99	220001054	Pantham Raja Krishna	B.Tech.	CSE
100	220001055	Pappala Tejaswini	B.Tech.	CSE
101	220001056	Param Bansal	B.Tech.	CSE
102	220001057	Parth Sharadrao Deshmukh	B.Tech.	CSE
103	220001058	Pradeep Kumar Rebbavarapu	B.Tech.	CSE
104	220001059	Pranjay Chouhan	B.Tech.	CSE
105	220001060	Pratham Gupta	B.Tech.	CSE
106	220001061	Prince Kumar Gupta	B.Tech.	CSE
107	220001062	Priyansh Verma	B.Tech.	CSE
108	220001063	Rishi Bharat Junghare	B.Tech.	CSE
109	220001064	S Ruthvik	B.Tech.	CSE
110	220001065	Sai Sanjana Reddy Algubelly	B.Tech.	CSE
111	220001066	Saket Meshram	B.Tech.	CSE
112	220001068	Samyak Dhyani	B.Tech.	CSE
113	220001069	Sanjeet Kumar	B.Tech.	CSE

114	220001070	Sarthak Brar	B.Tech.	CSE
115	220001071	Satya Narayan	B.Tech.	CSE
116	220001073	Shaik Suhana	B.Tech.	CSE
117	220001074	Shaurya Kshitij Khetarpal	B.Tech.	CSE
118	220001075	Shivraj Rathore	B.Tech.	CSE
119	220001076	Siddhesh Nitin Waje	B.Tech.	CSE
120	220001077	Vashistha Narayan Chaturvedi	B.Tech.	CSE
121	220001078	Vedant Dinkar	B.Tech.	CSE
122	220001079	Vijit Balsori	B.Tech.	CSE
123	220001080	Vineet Verma	B.Tech.	CSE
124	220001081	Votte Sriyans Reddy	B.Tech.	CSE
125	220001082	Yannam Yeswanth Reddy	B.Tech.	CSE
126	220002018	Arnav Nirmal Jain	B.Tech.	CSE
127	220002029	Borra Gnana Venkata Shiva	B.Tech.	CSE
128	220002063	Prasad Akanksha	B.Tech.	CSE
129	220002081	Vedant Upadhyay	B.Tech.	CSE
130	200002032	Ganapavarapu Durga Lokesh	B.Tech.	EE
131	200002050	Lakshya Kumhar	B.Tech.	EE
132	210002040	Jash Nilesh Faladu	B.Tech.	EE
133	210002084	Vishwas Shankar Kori	B.Tech.	EE
134	220002001	Aadarsh Ranjan	B.Tech.	EE
135	220002003	Aditya Singh	B.Tech.	EE
136	220002004	Aman	B.Tech.	EE
137	220002005	Aman Pandya	B.Tech.	EE
138	220002006	Aman Sanjay Poddar	B.Tech.	EE
139	220002007	Amit Mittal	B.Tech.	EE
140	220002008	Angela Singhal	B.Tech.	EE
141	220002009	Ankit Kumar	B.Tech.	EE
142	220002010	Ankit Kumar Gupta	B.Tech.	EE
143	220002011	Ansari Mohibahemad BasiruddIN	B.Tech.	EE
144	220002012	Anshul Rathodia	B.Tech.	EE
145	220002013	Anushka Jha	B.Tech.	EE
146	220002014	Apoorv Tandon	B.Tech.	EE
147	220002015	Aradhya Shant	B.Tech.	EE
148	220002016	Arjun S Nair	B.Tech.	EE
149	220002019	Aryan Jaiswal	B.Tech.	EE
150	220002020	Ashish Tandi	B.Tech.	EE
151	220002021	Astik Sharma	B.Tech.	EE
152	220002022	Ayush Khadkekar	B.Tech.	EE

153	220002023	Ayush Kumar	B.Tech.	EE
154	220002024	Bandi Dinesh Lakshman	B.Tech.	EE
155	220002025	Banoth Charan Teja	B.Tech.	EE
156	220002026	Bhalgat Vardhan Santosh	B.Tech.	EE
157	220002027	Bhawna Chaudhary	B.Tech.	EE
158	220002028	Boda Gayathri	B.Tech.	EE
159	220002030	Busetti Venkata Sai Nikhilesh	B.Tech.	EE
160	220002031	Chandrahaas	B.Tech.	EE
161	220002032	Donda Yashashwini	B.Tech.	EE
162	220002033	Giridhar A P	B.Tech.	EE
163	220002034	Gundlapally Sushant Reddy	B.Tech.	EE
164	220002035	Harsh Mantri	B.Tech.	EE
165	220002036	Harshita Bankure	B.Tech.	EE
166	220002037	Ishita Pandey	B.Tech.	EE
167	220002038	J L Manaswini	B.Tech.	EE
168	220002039	Janhvi Verma	B.Tech.	EE
169	220002041	Jasmer Singh Sanjotra	B.Tech.	EE
170	220002042	Karri Satya Sai Praneeth	B.Tech.	EE
171	220002043	Kshitiz Agrawal	B.Tech.	EE
172	220002044	Kumar Anmol	B.Tech.	EE
173	220002045	Lokare Devesh Chandrakant	B.Tech.	EE
174	220002046	Lovely	B.Tech.	EE
175	220002047	Maloth Karthikeya	B.Tech.	EE
176	220002048	Mane Manaswi Laxman	B.Tech.	EE
177	220002049	Mangena Devi Amrutha	B.Tech.	EE
178	220002050	Mankad Nehansh Devang	B.Tech.	EE
179	220002051	Manvendra Saini	B.Tech.	EE
180	220002052	Masireddy Mahith Sai Reddy	B.Tech.	EE
181	220002053	Mewal Manoj Bachchu	B.Tech.	EE
182	220002054	Moksha Kumar	B.Tech.	EE
183	220002055	Mor Vrushabh Bharatbhai	B.Tech.	EE
184	220002056	Nagamally Srujan	B.Tech.	EE
185	220002057	Navarkar Atharva Somnath	B.Tech.	EE
186	220002058	Naveen S Haralayya	B.Tech.	EE
187	220002059	Nimish Natani	B.Tech.	EE
188	220002060	Nitin Meena	B.Tech.	EE
189	220002061	Ohm Kumar	B.Tech.	EE
190	220002062	Pooja Patel	B.Tech.	EE
191	220002064	Prince Kumar Suman	B.Tech.	EE

192	220002065	Pulkit Navnit Gupta	B.Tech.	EE
193	220002066	R Sujeeth Kumar	B.Tech.	EE
194	220002067	Raina Rajesh Tathed	B.Tech.	EE
195	220002068	Rakshit Jangid	B.Tech.	EE
196	220002069	Rishit Mehrotra	B.Tech.	EE
197	220002071	Rohit Kumar	B.Tech.	EE
198	220002072	Rohit Prajapati	B.Tech.	EE
199	220002073	Sanidhya Baheti	B.Tech.	EE
200	220002074	Satvik Parag Desai	B.Tech.	EE
201	220002075	Siddharth Agrawal	B.Tech.	EE
202	220002076	Somisetty Venkata Jaya ChanD	B.Tech.	EE
203	220002077	Tanushree Dewangan	B.Tech.	EE
204	220002078	Tejas Anil Chaudhari	B.Tech.	EE
205	220002079	Vadithya Dhanalaxmi	B.Tech.	EE
206	220002080	Vatsalya Singh	B.Tech.	EE
207	220002082	Vivek Kumar	B.Tech.	EE
208	220002083	Yash Baghel	B.Tech.	EE
209	220002084	Yuvraj Maurya	B.Tech.	EE
210	220003016	Ayush Kumar Awasthi	B.Tech.	EE
211	220003023	Deepesh Bansal	B.Tech.	EE
212	220004012	Ashwin Soni	B.Tech.	EE
213	220004042	Sarthak Indurkhya	B.Tech.	EE
214	220005007	Akshat Sharma	B.Tech.	EE
215	210003032	Gara Bhanu Prasad	B.Tech.	ME
216	220003001	Abhijit Kashyap	B.Tech.	ME
217	220003002	Aditya Sharma	B.Tech.	ME
218	220003004	Ajeet Kumar	B.Tech.	ME
219	220003005	Akasapu ChandrikanagavalLI	B.Tech.	ME
220	220003006	Akhilesh Sanjay Lakhpati	B.Tech.	ME
221	220003007	Amara Venkata Ram Charan	B.Tech.	ME
222	220003008	Ampady B R	B.Tech.	ME
223	220003009	Ansari Inaamurrahaman	B.Tech.	ME
224	220003010	Anshul Singh Jaiswal	B.Tech.	ME
225	220003011	Anshul Vijaywargiya	B.Tech.	ME
226	220003013	Aryan Sharma	B.Tech.	ME
227	220003014	Atulya Kumar	B.Tech.	ME
228	220003015	Ayush Govind Ruhatiya	B.Tech.	ME
229	220003017	Ayush Manwatkar	B.Tech.	ME
230	220003019	Batchu Kesava	B.Tech.	ME

231	220003020	Boddula Vashista	B.Tech.	ME
232	220003021	Chirag Sonvane	B.Tech.	ME
233	220003022	Darryl Arun David	B.Tech.	ME
234	220003024	Devineni Hima Sri Sai Charan	B.Tech.	ME
235	220003025	Dhirawani Dhruv Dipesh	B.Tech.	ME
236	220003027	Enjerla Nitin Preetham	B.Tech.	ME
237	220003028	Eshika Pawar	B.Tech.	ME
238	220003029	Ganji Nithin Kumar	B.Tech.	ME
239	220003031	Ghoti Sakshi Vikram	B.Tech.	ME
240	220003032	Giddaluru Divya	B.Tech.	ME
241	220003033	Gorle Kapila Siva	B.Tech.	ME
242	220003034	Gouriveni Gokul	B.Tech.	ME
243	220003035	Harsh Sinha	B.Tech.	ME
244	220003036	Harshita Yadav	B.Tech.	ME
245	220003037	Hrishikesh Girish Hiremath	B.Tech.	ME
246	220003038	Hrishikesh Jawale	B.Tech.	ME
247	220003040	Itlod Shreya Ramesh	B.Tech.	ME
248	220003041	Jatin	B.Tech.	ME
249	220003042	Jatin Joshi	B.Tech.	ME
250	220003043	Joreegala Nithisha	B.Tech.	ME
251	220003044	Kaushiki Nanda Duarah	B.Tech.	ME
252	220003045	Kaustuv Devmishra	B.Tech.	ME
253	220003046	Khushi Kumari	B.Tech.	ME
254	220003048	Krishan Swami	B.Tech.	ME
255	220003049	Kshitij Amarnath Shetty	B.Tech.	ME
256	220003050	Macharla Aravind	B.Tech.	ME
257	220003052	Mihir Hemani	B.Tech.	ME
258	220003053	Moodu Manikanta	B.Tech.	ME
259	220003054	More Jayesh Tukaram	B.Tech.	ME
260	220003055	Mukul Raj Ghunawat	B.Tech.	ME
261	220003056	Nandini Goyal	B.Tech.	ME
262	220003057	Neelesh Kumar Chourasia	B.Tech.	ME
263	220003058	Patil Samruddhi Rajesh	B.Tech.	ME
264	220003059	Pawar Shubham	B.Tech.	ME
265	220003060	Poojashree Mishra	B.Tech.	ME
266	220003061	Prachi Patil	B.Tech.	ME
267	220003062	Pranav Pravin Deshpande	B.Tech.	ME
268	220003063	Prathamesh Pravin Kawtikwar	B.Tech.	ME
269	220003064	Prkhar Mishra	B.Tech.	ME

270	220003065	Rao Dheeraj	B.Tech.	ME
271	220003066	Raunak Kushwaha	B.Tech.	ME
272	220003067	Rohit Chavan	B.Tech.	ME
273	220003068	S Sri Vaishnavi	B.Tech.	ME
274	220003069	Sahil Bharti	B.Tech.	ME
275	220003070	Sahil Mahendra Umale	B.Tech.	ME
276	220003071	Sameer Lakkad	B.Tech.	ME
277	220003072	Sanaga Sai Varshini	B.Tech.	ME
278	220003074	Sasiedharan R	B.Tech.	ME
279	220003076	Savya Sachi Lodhi	B.Tech.	ME
280	220003077	Shalini Bharti	B.Tech.	ME
281	220003078	Sharvil Dilip Bhavsar	B.Tech.	ME
282	220003079	Shivam Sharma	B.Tech.	ME
283	220003080	Soham Amol Pandit	B.Tech.	ME
284	220003082	Umang Dosi	B.Tech.	ME
285	220003083	Umredkar Ishita Dhavan	B.Tech.	ME
286	220003084	Vineet Kumar	B.Tech.	ME
287	220003085	Vishwakarma Rajatkumar Rishikumar	B.Tech.	ME
288	220003086	Yash Panchal	B.Tech.	ME
289	220003087	Yash Yewale	B.Tech.	ME
290	220003089	Yuvraj Singh Rathore	B.Tech.	ME
291	220004011	Anushka Varshney	B.Tech.	ME
292	220004013	Astitva Jain	B.Tech.	ME
293	220005041	Raja	B.Tech.	ME
294	220004036	Raut Sakshi Sunil	B.Tech.	MEMS
295	220005001	Abhishek A.p	B.Tech.	MEMS
296	220005003	Aditi Tapdiya	B.Tech.	MEMS
297	220005004	Aditya Kisan Sonkusare	B.Tech.	MEMS
298	220005006	Akarshit Trivedi	B.Tech.	MEMS
299	220005008	Amber Verma	B.Tech.	MEMS
300	220005009	Anjaneya Parashar	B.Tech.	MEMS
301	220005010	Anubhuti Sharma	B.Tech.	MEMS
302	220005011	Apekshit	B.Tech.	MEMS
303	220005012	Arunabha Dhal	B.Tech.	MEMS
304	220005013	Ashmi Chandak	B.Tech.	MEMS
305	220005014	Ashwin Bansod	B.Tech.	MEMS
306	220005015	Atharva Porwal	B.Tech.	MEMS
307	220005016	Avdhoot Ramchandra Kasture	B.Tech.	MEMS
308	220005018	Dhruv Jain	B.Tech.	MEMS

309	220005019	Dikshit Suthar	B.Tech.	MEMS
310	220005020	Divya Singh Maurya	B.Tech.	MEMS
311	220005021	Gaurav Kumar	B.Tech.	MEMS
312	220005022	Gauttam Mandan	B.Tech.	MEMS
313	220005023	Godishala Varshith	B.Tech.	MEMS
314	220005025	Gyanu Sahu	B.Tech.	MEMS
315	220005026	Harshit Gupta	B.Tech.	MEMS
316	220005028	Kanika Upadhyay	B.Tech.	MEMS
317	220005029	Kashaboina Sai Lokesh	B.Tech.	MEMS
318	220005030	Katroth Srikanth	B.Tech.	MEMS
319	220005031	Ketali Dhurvey	B.Tech.	MEMS
320	220005032	Lingampalli Nishanth	B.Tech.	MEMS
321	220005033	Lokery Kiranmayi	B.Tech.	MEMS
322	220005035	Mansi Tanwar	B.Tech.	MEMS
323	220005036	Mrunal Chandrashekhar Nandpure	B.Tech.	MEMS
324	220005037	Nikhil	B.Tech.	MEMS
325	220005038	Prasoon Pandey	B.Tech.	MEMS
326	220005039	Pratik Prajn	B.Tech.	MEMS
327	220005040	Raj Sharma	B.Tech.	MEMS
328	220005042	Rishabh Sharma	B.Tech.	MEMS
329	220005043	Rishabh Singh	B.Tech.	MEMS
330	220005045	Saikumar	B.Tech.	MEMS
331	220005046	Sakshi Sahadeo Dombe	B.Tech.	MEMS
332	220005047	Sanket Panigrahi	B.Tech.	MEMS
333	220005048	Shivansh Malpani	B.Tech.	MEMS
334	220005050	Shreyans Kothari	B.Tech.	MEMS
335	220005051	Stuti Bahuguna	B.Tech.	MEMS
336	220005052	Swaraj Mahendra Khair	B.Tech.	MEMS
337	220005053	Tatpar Sundaria	B.Tech.	MEMS
338	220005054	Trishant Kumar Talluri	B.Tech.	MEMS
339	220005055	Ujjwal Choudhary	B.Tech.	MEMS
340	210004034	Priyanshu Nigwal	B.Tech.	CE
341	210004044	Sherkar Abhay Vishwanath	B.Tech.	CE
342	220004007	Aman Singh	B.Tech.	CE
343	220004021	Jayesh	B.Tech.	CE
344	190001060	Surendar Kethavath	B.Tech.	CSE
345	210001001	Abhijit Singh Tilawat	B.Tech.	CSE
346	220001047	Mude Hema Deepika	B.Tech.	CSE
347	220003039	Islavath Akshith	B.Tech.	ME

348	220003051	Mannem Hari Shankar Goud	B.Tech.	ME
349	220003088	Yedla Suvarna Sagar	B.Tech.	ME
350	210005024	Jay Dhurve	B.Tech.	MEMS
351	210005049	Vansh Gupta	B.Tech.	MEMS
352	220005002	Abhishek Jha	B.Tech.	MEMS
353	220005005	Aditya Nimadi	B.Tech.	MEMS
354	220005017	Devarapalli Nissi	B.Tech.	MEMS
355	220005027	Jadhav Krupanand	B.Tech.	MEMS
356	220005044	S S K Chandra Haas	B.Tech.	MEMS

S. No.	Roll No.	Student's Name	Program	Department
1	2402101002	Antim Jain	M.Tech.	CSE
2	2402101003	Sachin Sharma	M.Tech.	CSE
3	2402101004	Adarsh Mishra	M.Tech.	CSE
4	2402101005	Mohd Aamir	M.Tech.	CSE
5	2402101008	Manish Solanki	M.Tech.	CSE
6	2402101011	Rajat Tambare	M.Tech.	CSE
7	2402101012	Money Bansal	M.Tech.	CSE
8	2402101013	Bukke Roopa Sree	M.Tech.	CSE
9	2402101014	Sandip Dnyaneshwar Ambre	M.Tech.	CSE
10	2402101015	Himanshu Mishra	M.Tech.	CSE
11	2402101016	Harshal Shashikant Shinde	M.Tech.	CSE
12	2402102017	Suvash Chandra Yadav	M.Tech.	CSE
13	2402102018	Prajwal Lamsal	M.Tech.	CSE
14	2402102019	Ankit Kayastha	M.Tech.	CSE
15	2402102001	Samala Sai Sahrudai	M.Tech.	EE
16	2402102002	Karthik Tadigadapa	M.Tech.	EE
17	2402102004	Harshal Rajesh Bankar	M.Tech.	EE
18	2402102005	Shivam Anand Neware	M.Tech.	EE
19	2402102006	Shubham Sinha	M.Tech.	EE
20	2402102007	Mayuri Dattatraya Deokar	M.Tech.	EE
21	2402102008	Prajjwal Sanskar	M.Tech.	EE
22	2402102009	Mogasati Ramya Saisree	M.Tech.	EE
23	2402102010	Sourosmita Das	M.Tech.	EE
24	2402102011	Bhavesh Mishra	M.Tech.	EE
25	2402102012	Sumit Gaurav	M.Tech.	EE
26	2302102025	Sapan Kushwah	M.Tech.	EE

27	2402102022	Bana Shanmuga Sai Badrinatha Reddy	M.Tech.	EE
28	2402102025	Kunal Dhangun	M.Tech.	EE
29	2402102027	Manchala Ramchand	M.Tech.	EE
30	2402102028	Chithaluri Sai Nithin	M.Tech.	EE
31	2402102030	M Chandu	M.Tech.	EE
32	2402102031	Annu Kumar	M.Tech.	EE
33	2402103001	Prakash Prithu Singh	M.Tech.	ME
34	2402103002	Himanshu Singh	M.Tech.	ME
35	2402103003	Suman Khoja	M.Tech.	ME
36	2402103004	Kaustubh Jagdish Sarode	M.Tech.	ME
37	2402103005	Deepali Choudhari	M.Tech.	ME
38	2402103006	Nirmalya Dana	M.Tech.	ME
39	2402103008	Aeruru Sai Rupesh	M.Tech.	ME
40	2402103009	Vivekanand P	M.Tech.	ME
41	2402103010	Prateek Tumrali	M.Tech.	ME
42	2402103011	Ravi Ranjan	M.Tech.	ME
43	2402103012	Lalit Tyagi	M.Tech.	ME
44	2402103013	Bolloju Lakshmi Bhargav	M.Tech.	ME
45	2402103014	Venkat Raman Patel	M.Tech.	ME
46	2402103015	Kirankumar Chaudhari	M.Tech.	ME
47	2402103022	Rakshit Sharma	M.Tech.	ME
48	2402103025	Gouri Suresh	M.Tech.	ME
49	2402103028	Ankit Kumar Singh	M.Tech.	ME
50	2402103030	Nishant Gulabrao Pawar	M.Tech.	ME
51	2402103031	Vishnu Varma Kamanuri	M.Tech.	ME
52	2402103041	Tanishq R Shah	M.Tech.	ME
53	2402103042	Aniket Bharat Wagh	M.Tech.	ME
54	2402103043	Aneesh	M.Tech.	ME
55	2402103044	Mayank Mishra	M.Tech.	ME
56	2402103045	Rutik Suresh Patil	M.Tech.	ME
57	2402103046	Shinde Anand Changdeo	M.Tech.	ME
58	2402103047	Atul Yadav	M.Tech.	ME
59	2402103048	Dhanraj Machindra Yeole	M.Tech.	ME
60	2402103049	Shubham Kumar	M.Tech.	ME
61	2402103051	Anant Kumar	M.Tech.	ME
62	2402103052	Parmar Ashesh Lalitkumar	M.Tech.	ME
63	2402103053	Yekkaluri Venkata Mahesh	M.Tech.	ME
64	2402103054	Saba Khanam	M.Tech.	ME
65	2402103055	Sushant Gopalkrishna Deshmukh	M.Tech.	ME

66	2402103061	Nitesh Tomar	M.Tech.	ME
67	2402103062	Ankit Singh Rajpurohit	M.Tech.	ME
68	2402103064	Rupesh Kumar	M.Tech.	ME
69	2402103065	Siddharth Gupta	M.Tech.	ME
70	2402103066	Vigyay Gautam	M.Tech.	ME
71	2402103067	Aditya Shawarn	M.Tech.	ME
72	2402103068	Poojary Suraj Suresh	M.Tech.	ME
73	2402103069	Harsh Adesh Khot	M.Tech.	ME
74	2402103070	Brajesh Kumar Nagar	M.Tech.	ME
75	2402103071	Chamanlal Moranya	M.Tech.	ME
76	2402103072	Brahmaiah Jajula	M.Tech.	ME
77	2402104002	Adarsh Kumar Gadgey	M.Tech.	CE
78	2402104003	Ravi Sharma	M.Tech.	CE
79	2402104004	Aditya Narayan Shukla	M.Tech.	CE
80	2402104005	Harshita Nath	M.Tech.	CE
81	2402104006	Naveen D	M.Tech.	CE
82	2402104007	Arpeet Pradip Shirbhate	M.Tech.	CE
83	2402104008	Mudadla Venkatesh	M.Tech.	CE
84	2402104009	Lakavath Anil	M.Tech.	CE
85	2402104011	Akash Khanal	M.Tech.	CE
86	2402104012	Manish Yadav	M.Tech.	CE
87	2402104016	Sumit Parmar	M.Tech.	CE
88	2402104017	Shiksha Singh	M.Tech.	CE
89	2402104018	B Sai Sumedha	M.Tech.	CE
90	2402104019	Sanskruti Prashant Lohakare	M.Tech.	CE
91	2402104020	Owais Mukthar	M.Tech.	CE
92	2402104023	Racharla Anusha	M.Tech.	CE
93	2402104024	Abhinav Nagariya	M.Tech.	CE
94	2402105001	Naina	M.Tech.	MEMS
95	2402105002	Meghana Agrawal	M.Tech.	MEMS
96	2402105005	Priyanka Radheshyam Yadav	M.Tech.	MEMS
97	2402105006	Amit Kumar Singh	M.Tech.	MEMS
98	2402105008	Atanu Ghosh	M.Tech.	MEMS
99	2402105021	Junaid Rahman	M.Tech.	MEMS
100	2402105024	Akash Kumar Singh	M.Tech.	MEMS
101	2402105025	Shivram Premlal Sawalkar	M.Tech.	MEMS
102	2402105026	Omkar Ramesh Bankar	M.Tech.	MEMS
103	2402105027	Anurag Singh	M.Tech.	MEMS
104	2402105028	Uyyala Shanmukha Chandra Teja	M.Tech.	MEMS

105	2402105029	Gurumurthy S	M.Tech.	MEMS
106	2402105030	Faizan Siddiqui	M.Tech.	MEMS
107	2402106001	Sagar Gopaldas Katariya	M.Tech.	CEVITS
108	2402106002	Shubham Chawle	M.Tech.	CEVITS
109	2402106003	Ankit Patel	M.Tech.	CEVITS
110	2402106004	Vibhor Sharma	M.Tech.	CEVITS
111	2402106006	Harshal Parmale	M.Tech.	CEVITS
112	2402106007	Saurav Kumar Raushan	M.Tech.	CEVITS
113	2402106008	Vishwajeet Bharti	M.Tech.	CEVITS
114	2402106009	Mohit Goyal	M.Tech.	CEVITS
115	2402121001	Anismita Biswas	M.Tech.	AASE
116	2402121002	Rasaprolu Lakshya	M.Tech.	AASE
117	2402121003	Eknoor Kaur	M.Tech.	AASE
118	2402171001	Shetty Mohit Shivanand	M.Tech.	MFSBBE
119	2402171002	Vinit Pratap Pawar	M.Tech.	MFSBBE
120	2402171003	Anjali Singh	M.Tech.	MFSBBE
121	2402171004	Krishan Kumar Choudhary	M.Tech.	MFSBBE
122	2402171006	Sanchayita Biswas	M.Tech.	MFSBBE
123	2402171007	Kallontai Talukdar	M.Tech.	MFSBBE
124	2402171008	Rohit Garg	M.Tech.	MFSBBE
125	2402171009	Asjad Raza	M.Tech.	MFSBBE
126	2402193001	Bijeesh K	M.Tech.	CFDST
127	2402193002	Pulkit Garg	M.Tech.	CFDST

S. No.	Roll No.	Student's Name	Program	Department
1	2302106031	Desai Ankit Govindbhai	M.Tech.	HEVT
2	2302106032	Devendra Kumar Rai	M.Tech.	HEVT
3	2302106033	Fata Ram Meghwal	M.Tech.	HEVT
4	2302106034	Jamalpur Srikanth	M.Tech.	HEVT
5	2302106035	Manjarekar Nitin Shankar	M.Tech.	HEVT
6	2302106036	Rubal Verma	M.Tech.	HEVT
7	2302106037	Sandeep Singh Thakur	M.Tech.	HEVT
8	2302106038	Suchit Sharma	M.Tech.	HEVT
9	2302106039	Tanmay Jain	M.Tech.	HEVT
10	2302106040	Vinod Kumar Singh	M.Tech.	HEVT
11	2402106031	Abhishek Tare	M.Tech.	HEVT
12	2402106032	Arvind Kumar Chauhan	M.Tech.	HEVT
13	2402106033	Pasari Akhil	M.Tech.	HEVT

14	2402106034	Mayuresh Jain	M.Tech.	HEVT
15	2402106035	Ramesh	M.Tech.	HEVT
16	2402106036	Sachin Rakhamaji Magar	M.Tech.	HEVT
17	2402106038	Yogendra Verma	M.Tech.	HEVT
18	2402106039	Nannware Ranjit Ramesh	M.Tech.	HEVT
19	2402106040	Shubham Atre	M.Tech.	HEVT

S. No.	Roll No.	Student's Name	Program	Department
1	2403121001	Aditya Prakash Sharma	M.Sc.	AASE
2	2403121004	Kaivan Sanjay Shah	M.Sc.	AASE
3	2403121005	Kanishka Gautam	M.Sc.	AASE
4	2403121006	Kartik Venkataramana Kambhampati	M.Sc.	AASE
5	2403121007	Manpreet Singh	M.Sc.	AASE
6	2403121008	Mayukh Mandal	M.Sc.	AASE
7	2403121009	Nityananda Padhi	M.Sc.	AASE
8	2403121011	Sangeeta	M.Sc.	AASE
9	2403121012	Sangeetha A	M.Sc.	AASE
10	2403121013	Sayan Maity	M.Sc.	AASE
11	2403121014	Sucharita Charan	M.Sc.	AASE
12	2403121016	Vishal Sarkar	M.Sc.	AASE
13	2403131001	Akshay Kumar	M.Sc.	Chemistry
14	2403131002	Anahita Mehra	M.Sc.	Chemistry
15	2403131003	Anamika Devrani	M.Sc.	Chemistry
16	2403131004	Anshi	M.Sc.	Chemistry
17	2403131005	Arijit Bhunia	M.Sc.	Chemistry
18	2403131006	Arosmit Mohanty	M.Sc.	Chemistry
19	2403131007	Chhagan Lal Meena	M.Sc.	Chemistry
20	2403131009	Divyanshi Deshwal	M.Sc.	Chemistry
21	2403131010	Gladys J	M.Sc.	Chemistry
22	2403131011	Gungun Das	M.Sc.	Chemistry
23	2403131012	Harshal Rajesh Bhai Thaker	M.Sc.	Chemistry
24	2403131013	Ketan	M.Sc.	Chemistry
25	2403131014	Kuntal Ghosh	M.Sc.	Chemistry
26	2403131015	Mahesh Sasamal	M.Sc.	Chemistry
27	2403131016	Manish Sharma	M.Sc.	Chemistry
28	2403131017	Meet Dhirajlal Nimbark	M.Sc.	Chemistry
29	2403131018	Mirja Samim Ali	M.Sc.	Chemistry
30	2403131019	Muhammad Zakariya Tk	M.Sc.	Chemistry

31	2403131020	Narottam Sahu	M.Sc.	Chemistry
32	2403131021	Pamela Nath	M.Sc.	Chemistry
33	2403131022	Prashant Kumar	M.Sc.	Chemistry
34	2403131023	Rahul Kumar	M.Sc.	Chemistry
35	2403131024	Rashmi S	M.Sc.	Chemistry
36	2403131025	Saheb Pal	M.Sc.	Chemistry
37	2403131026	Sanglap Dutta	M.Sc.	Chemistry
38	2403131027	Sounak Saha	M.Sc.	Chemistry
39	2403131028	Vishal Kumar	M.Sc.	Chemistry
40	2403131029	Vivek V K	M.Sc.	Chemistry
41	2403141002	Arghya Chattaraj	M.Sc.	Mathematics
42	2403141004	Harsha Rahulkumar Jain	M.Sc.	Mathematics
43	2403141005	Jadura Tangba Ch Marak	M.Sc.	Mathematics
44	2403141006	Khushi Anil Mittal	M.Sc.	Mathematics
45	2403141007	Nishant Gupta	M.Sc.	Mathematics
46	2403141008	Nitish Jaiswal	M.Sc.	Mathematics
47	2403141009	Pravakar Barik	M.Sc.	Mathematics
48	2403141010	Rohan Shandilya	M.Sc.	Mathematics
49	2403141011	S. Sandip Rao	M.Sc.	Mathematics
50	2403141012	Sanket Lamba	M.Sc.	Mathematics
51	2403141013	Saurabh Kumar Maurya	M.Sc.	Mathematics
52	2403141014	Shivani Sharma	M.Sc.	Mathematics
53	2403141015	Sneha Singh	M.Sc.	Mathematics
54	2403141017	Vikas Bharti	M.Sc.	Mathematics
55	2403141018	Vishal Kumar	M.Sc.	Mathematics
56	2403141019	Yogesh	M.Sc.	Mathematics
57	2403141020	Abhi Kumar Das	M.Sc.	Mathematics
58	2403151001	Akshaya P	M.Sc.	Physics
59	2403151002	Aritra Dey	M.Sc.	Physics
60	2403151003	Arka Ghosh	M.Sc.	Physics
61	2403151004	Bharat	M.Sc.	Physics
62	2403151005	Chikun Sahoo	M.Sc.	Physics
63	2403151006	Garima	M.Sc.	Physics
64	2403151007	Govind Kumar	M.Sc.	Physics
65	2403151008	Gunjan Gadariya	M.Sc.	Physics
66	2403151009	Himanshu Yadav	M.Sc.	Physics
67	2403151010	Jatin Boyat	M.Sc.	Physics
68	2403151011	Kushal Dale	M.Sc.	Physics
69	2403151012	Manish Singh	M.Sc.	Physics

70	2403151013	Naitik Ganpatbhai Salvi	M.Sc.	Physics
71	2403151014	Nikhil Prajapati	M.Sc.	Physics
72	2403151016	Pratishtha Agnihotri	M.Sc.	Physics
73	2403151017	Rishab Barman	M.Sc.	Physics
74	2403151018	Rishabh Gupta	M.Sc.	Physics
75	2403151019	Rishabh Kumar Tiwari	M.Sc.	Physics
76	2403151022	Shankhashubhra Panda	M.Sc.	Physics
77	2403151023	Shiksha	M.Sc.	Physics
78	2403151024	Shiv Kumar Sharma	M.Sc.	Physics
79	2403151025	Shivam Raghuwanshi	M.Sc.	Physics
80	2403151026	Shreya Soni	M.Sc.	Physics
81	2403151027	Supriyo Pramanik	M.Sc.	Physics
82	2403151028	Arpita Singh	M.Sc.	Physics
83	2403171001	Abhishek Dnyaneshwar Kalbande	M.Sc.	MFS-BSBE
84	2403171002	Abhishek Kumar	M.Sc.	MFS-BSBE
85	2403171005	Himanshi Jindal	M.Sc.	MFS-BSBE
86	2403171007	Muskan Gupta	M.Sc.	MFS-BSBE
87	2403171008	Niharika	M.Sc.	MFS-BSBE
88	2403171009	Priyam Das	M.Sc.	MFS-BSBE
89	2403171010	Riya Singh Adarshi	M.Sc.	MFS-BSBE
90	2403171012	Saptarshi Mandal	M.Sc.	MFS-BSBE
91	2403171013	Sneha Goyal	M.Sc.	MFS-BSBE
92	2403171014	Vishnu Prakash T G	M.Sc.	MFS-BSBE
93	2403171015	Sakshi Saxena	M.Sc.	MFS-BSBE
94	2403171016	Javed Khan	M.Sc.	MFS-BSBE
95	2403171017	David Kurre	M.Sc.	MFS-BSBE
96	2403171018	Mudita Tripathi	M.Sc.	MFS-BSBE
97	2403171019	Himanshi Jain	M.Sc.	MFS-BSBE
98	2403171020	Smita Karati	M.Sc.	MFS-BSBE
99	2403171021	Shudhanshu Ranjan Singh	M.Sc.	MFS-BSBE
100	2403171022	Saurabh Rawat	M.Sc.	MFS-BSBE
101	2403171023	Swastika Mitra	M.Sc.	MFS-BSBE
102	2403171024	Deeksha Patel	M.Sc.	MFS-BSBE

S. No.	Roll No.	Student's Name	Program	Department
1	2304121003	Sana Begum Murtuja Shaikh	MS (Research)	AASE
2	2304121002	Eeshan Beohar	MS (Research)	AASE
3	2304101015	Vaidehi Agarwal	MS (Research)	CSE
4	2304101002	Aditya Kanade	MS (Research)	CSE

5	2304101009	Lata Pangtey	MS (Research)	CSE
6	2304101011	Prolay Mallick	MS (Research)	CSE
7	2304101013	Suhas G Hegde	MS (Research)	CSE
8	2304101014	Urvesh Nileshbhai Trivedi	MS (Research)	CSE
9	2404101011	Ayush Kumar Singh	MS (Research)	CSE
10	2304101012	Sourabh Singh	MS (Research)	CSE
11	2404101008	M Harsh Kumar	MS (Research)	CSE
12	2304101001	Aditi Rao S	MS (Research)	CSE
13	2304101010	Prajjval Dhiman	MS (Research)	CSE
14	2204101005	Ashutosh Dhamaniya	MS (Research)	CSE
15	2404101013	Vanish Jain	MS (Research)	CSE
16	2304102002	Akash Ahirwar	MS (Research)	EE
17	2404102002	Sourajit Mukherjee	MS (Research)	EE
18	2404102001	Pratham Sharma	MS (Research)	EE
19	2304102006	Anand Nivrutti Kachale	MS (Research)	EE
20	2304102010	Sneha	MS (Research)	EE
21	2304103007	Nikhil Pandey	MS (Research)	ME
22	2404103004	Akash Yadav	MS (Research)	ME
23	2404103008	Nitish Kumar	MS (Research)	ME

S. No.	Roll No.	Student's Name	Program	Department
1	2001121001	Anshuman Tripathi	Ph.D.	AASE
2	2101121007	Lekhraj Saini	Ph.D.	AASE
3	2201121012	Vaibhav Tyagi	Ph.D.	AASE
4	2001131015	Nirmiti Narendra Mate	Ph.D.	Chemistry
5	1901231018	Rahul Kumar Yadav	Ph.D.	Chemistry
6	2001131011	Lalita Wagh	Ph.D.	Chemistry
7	2001131008	Kharabe Laxman Sarjerao	Ph.D.	Chemistry
8	1901231003	Nikhil Ji Tiwari	Ph.D.	Chemistry
9	1901231014	Vidhi Agarwal	Ph.D.	Chemistry
10	1901131027	Mohd Wazid	Ph.D.	Chemistry
11	2001231007	Souvik Manna	Ph.D.	Chemistry
12	2001131005	Kalu Ram Bajya	Ph.D.	Chemistry
13	2101131002	Harpriya Minhas	Ph.D.	Chemistry
14	2001131004	Gavale Ramakant Shivram	Ph.D.	Chemistry
15	2101131005	Rahul Kumar Sharma	Ph.D.	Chemistry
16	1901231017	Shikha Singh Rathor	Ph.D.	Chemistry
17	1901131003	Achena Saha	Ph.D.	Chemistry

18	1901231022	Durgesh Sarothiya	Ph.D.	Chemistry
19	2101104006	Shivukumar Rakkasagi	Ph.D.	CE
20	2101104008	Vijay Jain	Ph.D.	CE
21	2201104003	Kuldeep Singh Rautela	Ph.D.	CE
22	2101104004	Revanth Dugalam	Ph.D.	CE
23	1901204008	Parul Vinze	Ph.D.	CE
24	2001104002	Mohd Atif	Ph.D.	CE
25	2201104002	Achala Singh	Ph.D.	CE
26	2201204001	Ashish Giri	Ph.D.	CE
27	2101204001	Astha Sharma	Ph.D.	CE
28	2105101002	Anup Kumar Gupta	MSRPh.D.	CSE
29	2201101011	Ankit Malviya	Ph.D.	CSE
30	2001201003	Nayancy Gupta	Ph.D.	CSE
31	2101101006	Sneha Shukla	Ph.D.	CSE
32	2101201003	Lalita Agrawal	Ph.D.	CSE
33	2201101012	Sharmila S P	Ph.D.	CSE
34	2001201004	Pankaj Chaudhary	Ph.D.	CSE
35	2301101002	Suraj Kumar	Ph.D.	CSE
36	2101201005	Mohammad Zia Ur Rehman	Ph.D.	CSE
37	2301101010	Prashant Digambar Pathak	Ph.D.	CSE
38	2201101013	Shekhar Tyagi	Ph.D.	CSE
39	2201201001	Dolly Uppal	Ph.D.	CSE
40	2101102001	Aditya Nalwaya	Ph.D.	EE
41	1801102001	Makam Kiran Kumar	Ph.D.	EE
42	1901102012	Vivek Kumar Singh	Ph.D.	EE
43	2201102004	Nabasmita Phukan	Ph.D.	EE
44	2001102005	Rohit Kumar Nirala	Ph.D.	EE
45	2201102017	Amit Baghel	Ph.D.	EE
46	2101102009	Neha Maheshwari	Ph.D.	EE
47	2101202005	Santosh Kumar	Ph.D.	EE
48	2101102007	Patinavalasa Megh Sainadh	Ph.D.	EE
49	2001102004	Priyank Mishra	Ph.D.	EE
50	2301102008	Pankaj Kumar Raghuwanshi	Ph.D.	EE
51	2101202007	Vasundhara Trivedi	Ph.D.	EE
52	2001102006	Yamalakonda Venu Gopal	Ph.D.	EE
53	2101161008	Renukuntla Anusha	Ph.D.	HSS
54	1901261020	Mahima Singh	Ph.D.	HSS
55	1901261012	Ramesh Kumar Mahtha	Ph.D.	HSS
56	1901261011	Kavitha K	Ph.D.	HSS

57	1901261018	Muhsina K K	Ph.D.	HSS
58	2001261002	Harish Sahu	Ph.D.	HSS
59	2201161024	Anantha U G	Ph.D.	HSS
60	2101161002	Apsara Bala	Ph.D.	HSS
61	2001161004	Soham Ghosh	Ph.D.	HSS
62	2101161006	Monika	Ph.D.	HSS
63	2101161005	Mohd Amin Khan	Ph.D.	HSS
64	1901261017	Aparna S Ayyanad	Ph.D.	HSS
65	2101261001	Anoop Kumar Suraj	Ph.D.	HSS
66	2001141003	Himanshi	Ph.D.	Mathematics
67	1901241006	Shreyas S R	Ph.D.	Mathematics
68	2101141006	Aman Kumar Kushwaha	Ph.D.	Mathematics
69	2101141009	Rahul Som	Ph.D.	Mathematics
70	2001141005	Sahil	Ph.D.	Mathematics
71	2001141011	Navneet	Ph.D.	Mathematics
72	2001241002	Archit Agarwal	Ph.D.	Mathematics
73	2001241007	Sheetal Sanjay Wankhede	Ph.D.	Mathematics
74	2001241004	Dhivya Prabhu K	Ph.D.	Mathematics
75	2001103006	Yogesh Sahebrao Andhale	Ph.D.	ME
76	2001103003	Vivek Saxena	Ph.D.	ME
77	2206103001	Arpit Kumar Singh	MTPh.D.	ME
78	2201103002	Saurabh Mishra	Ph.D.	ME
79	2101103003	Mirikar Dnyanesh Narayanrao	Ph.D.	ME
80	2201103009	Aditya Gaur	Ph.D.	ME
81	2201103006	Ummed Singh	Ph.D.	ME
82	2301103011	Kuldhir Singh Bhati	Ph.D.	ME
83	1901271002	Kratika Yadav	Ph.D.	MFS-BSBE
84	2001171004	Krishna Singh	Ph.D.	MFS-BSBE
85	2101171001	Aakriti Singh	Ph.D.	MFS-BSBE
86	2001171006	Chaudhari Rahul Rasikbhai	Ph.D.	MFS-BSBE
87	1901271003	Rimjhim Sangtani	Ph.D.	MFS-BSBE
88	2201171002	Rajat Atre	Ph.D.	MFS-BSBE
89	2101171007	Suman Koirala	Ph.D.	MFS-BSBE
90	2007171001	Tarun Prakash Verma	MSCPh.D.	MFS-BSBE
91	2101171002	Anshul	Ph.D.	MFS-BSBE
92	2001271010	Solanki Kundan Ashokkumar	Ph.D.	MFS-BSBE
93	2201105011	Asish Kumar Das	Ph.D.	MEMS
94	2101105002	Abhishek Srivastava	Ph.D.	MEMS
95	2101105003	Archana Rajendra Kanwade	Ph.D.	MEMS

96	2001171002	Beena Yadav	Ph.D.	MFS-BSBE
97	1901151010	Subhasanket Dutta	Ph.D.	Physics
98	1901251009	Kulbhushan Mishra	Ph.D.	Physics
99	2001151017	Vikash Kumar	Ph.D.	Physics
100	2001151006	Jena Akash Kumar Satrughna	Ph.D.	Physics
101	2001151015	Suraj Prasad	Ph.D.	Physics
102	2001151004	Debadatta Behera	Ph.D.	Physics
103	2001251007	Maneesha P	Ph.D.	Physics
104	2207151001	Bhumika Sahu	MSCPh.D.	Physics
105	2001251011	Ritu	Ph.D.	Physics
106	2001251004	Himani Joshi	Ph.D.	Physics
107	2001251006	Kshitish Kumar Pradhan	Ph.D.	Physics
108	2201151001	Deb Kumar Rath	Ph.D.	Physics
109	2001251001	Aarti Lakhara	Ph.D.	Physics
110	2001251014	Suresh Chandra Baral	Ph.D.	Physics
111	2101151005	Kamaljeet Singh	Ph.D.	Physics

S. No.	Roll No.	Student's Name	Program
1	2404107001	Aakash Narayan	MS-DSM
2	2404107002	Aayushi Gupta	MS-DSM
3	2404107003	Achint Alagh	MS-DSM
4	2404107004	Aditya Narayan Singh	MS-DSM
5	2404107005	Ananya Dikshit	MS-DSM
6	2404107006	Aniket Raman	MS-DSM
7	2404107007	Ankit Geete	MS-DSM
8	2404107008	Ankit Joshi	MS-DSM
9	2404107009	Anshika Gupta	MS-DSM
10	2404107011	Anushree Prabhakar	MS-DSM
11	2404107013	Arun Vigesh V G	MS-DSM
12	2404107015	Bharath A S	MS-DSM
13	2404107016	Chaitanya Teegala	MS-DSM
14	2404107017	Chelsea	MS-DSM
15	2404107018	Chhavi Sehrawat	MS-DSM
16	2404107019	Christin Ann Oommen	MS-DSM
17	2404107020	Devaprasad Rajan	MS-DSM
18	2404107021	Dipayita Basu	MS-DSM
19	2404107022	Divya Nair	MS-DSM
20	2404107023	Gandhala Jeevitha Chandana	MS-DSM

21	2404107024	Gaurav Singla	MS-DSM
22	2404107025	Gayatri Jaltare	MS-DSM
23	2404107026	Haadiya Iman	MS-DSM
24	2404107027	Hritvikk Gupta	MS-DSM
25	2404107028	Janhavi Yadav	MS-DSM
26	2404107029	Surada Lavanth	MS-DSM
27	2404107030	M Deepika	MS-DSM
28	2404107031	Mohd Asjad Siddiqui	MS-DSM
29	2404107032	Mohita Singh	MS-DSM
30	2404107033	Muhammad Afwaan Ali Ansari	MS-DSM
31	2404107034	Mukul Anand Pani	MS-DSM
32	2404107036	Nipun Raj Yellapati	MS-DSM
33	2404107037	Nishaank Singh Rawat	MS-DSM
34	2404107038	Omkar Bharamgunde	MS-DSM
35	2404107039	Pavan Kumar Gedela	MS-DSM
36	2404107040	Prajakta Prasad Gosavi	MS-DSM
37	2404107041	Prateek Jain	MS-DSM
38	2404107042	Pawar Pratik Baban	MS-DSM
39	2404107043	Pratik Banerjee	MS-DSM
40	2404107044	Priyansh Saraf	MS-DSM
41	2404107046	Sahil Singh	MS-DSM
42	2404107047	Saishree Chinthakindi	MS-DSM
43	2404107048	Saloni Mehta	MS-DSM
44	2404107049	Sameer Ahmed	MS-DSM
45	2404107051	Satyam Chauhan	MS-DSM
46	2404107052	Shanya Rai	MS-DSM
47	2404107053	Shashank R Melkote	MS-DSM
48	2404107054	Shatakshi Bhatnagar	MS-DSM
49	2404107055	Shreya Varangaonkar	MS-DSM
50	2404107056	Shreyas Bhardwaj	MS-DSM
51	2404107057	Shubham Kawduji Wargantiwar	MS-DSM
52	2404107058	Shubham Satija	MS-DSM
53	2404107059	Sree Sai Manogna Macha	MS-DSM
54	2404107061	Srimath Koilkandadai Srihita	MS-DSM
55	2404107062	Subhrajyoti Bera	MS-DSM
56	2404107063	Sumit Subhash Dighe	MS-DSM
57	2404107064	Sushma Singh	MS-DSM
58	2404107065	Thummaluru Sai Vyshnavi	MS-DSM
59	2404107066	Bhavana Uppalapati	MS-DSM

60	2404107067	Utkarsh Kaushik	MS-DSM
61	2404107069	Varun Cn	MS-DSM
62	2404107070	Vibhav Goel	MS-DSM
63	2404107071	Vignesh Kumar R	MS-DSM
64	2404107072	Vikram Singh Rawat	MS-DSM
65	2404107074	Yash Chandrasena Mhatre	MS-DSM
66	2404107075	Yash Vinayvanshi	MS-DSM
67	2404107076	Yashaswi R	MS-DSM
68	2404107077	Yogesh Bhardwaj	MS-DSM
69	2404107078	Zion Jacob K S	MS-DSM

Academic Office

Team of Academic Affairs



Prof. Ankhi Roy
Dean, Academic Affairs



Prof. Somnath Dey
Associate Dean, Academic Affairs

The Academic Affairs Office serves as the central coordinating office for planning, coordinating, and administering all academic activities of the Institute across undergraduate, postgraduate, and doctoral programmes. The Office is responsible for implementing academic policies, regulations, and decisions approved by the Senate and facilitates the smooth conduct of admissions, registration, examinations, degree requirements, scholarships, convocation, and other academic processes.

Team of Academic Affairs

The Office functions under the leadership of the Dean of Academic Affairs, with the support of Associate Deans, the Deputy Registrar, and dedicated administrative staff.



Administrative Team of Academic Office

Major Highlights of the Academic Affairs during AY 2025-2026

1. IIT Indore has successfully implemented the National Education Policy (NEP) 2020 through the introduction of flexible curricula, multidisciplinary learning pathways, and innovative teaching practices, fostering a holistic and student-centric academic environment.

2. To address emerging educational and industry requirements, the Institute has expanded its academic offerings:

   - Undergraduate Programmes (AY 2026–27): B.Tech. in Biomedical Engineering and Data Science; B.S. in Applied and Industrial Chemistry, B.Tech. in Environmental Economics and Sustainable Engineering.
   - Postgraduate Programmes (AY 2026–27): M.Tech. in Transport System Engineering, Geotechnical Engineering, and Chemical Process Design and Intelligence.
   - PhD Programmes: Ph.D. in Interdisciplinary Areas of Sustainability.
   - Future Plans: M.Tech. in Transportation Planning from AY 2027–28.

3. Professional and Societal Connect baskets of courses have been introduced under NEP 2020 to provide students exposure to emerging technologies, multidisciplinary learning opportunities, societal challenges, innovation, entrepreneurship, and design-thinking approaches.

4. With over 3,500 students and 225 faculty members, the Institute continues to strengthen industry-academia engagement and experiential learning. Traditional workshop courses have been transformed into project-based learning experiences, supported by Maker Spaces and Do-It-Yourself (DIY) initiatives that encourage students to design and develop prototypes from the first year itself.

5. In alignment with NEP 2020, IIT Indore has integrated NPTEL and SWAYAM courses into its curriculum, enabling students to access high-quality learning resources beyond the regular syllabus and promoting self-paced, lifelong learning.

6. A comprehensive digital Comprehensive Examination Module was launched through the AROL Portal for Ph.D. students, enabling a fully paperless and streamlined evaluation module.

7. The Internship Module was launched on the AROL Portal for undergraduate students, facilitating the digital processing and issuance of No Objection Certificates (NOCs) and internship-related certificates.

8. The Academic Affairs Office continues to strengthen digital governance and process automation through the AROL Portal, enhancing efficiency, transparency, and student-centric service delivery across academic operations.

Rankings

IIT Indore has been ranked 556th in the QS World University Rankings 2026. It is 12th among Indian Universities and has emerged once again as the highest among the second-generation IITs. The universities are judged across 09 key ranking indicators include – Academic and Employer Reputation, Citations per Faculty, Faculty-Student ratio, International Students, International Faculty, International Research Network, Sustainability, and Employment Outcomes to provide the most comprehensive and balanced comparisons available. This year's QS World University Rankings included almost 1,501 institutions (includes 54 institutions from India) from around the world including universities from diverse locations across Europe, Asia and North America.

In the recently released "India Rankings 2025 by NIRF, Ministry of Education", IIT Indore is positioned 12th among engineering institutions in the country. In this category, institutions are judged across 05 key ranking parameters that includes academics, research, graduation outcome, outreach & inclusivity, and perception. Also, IIT Indore is positioned at 27th in Overall and 24th in Research category respectively. IIT Indore has shown a significant improvement in ranking across all the categories in comparison to the last edition.

Prof. Suhas S. Joshi, the Director, congratulated the IIT Indore community and urged them to pursue their research and academic activities with diligence, which will contribute to the growth of the Institute and pave the way for more global recognition in the future.

Research and Development (R&D)



Indian Institute of Technology Indore envisions promoting interdisciplinary research with a strong focus on fundamental and applied research, technology development, and innovation. This vision has enabled the institute to excel across diverse domains of science, engineering, humanities, and social sciences.

One of the key strengths of IIT Indore lies in its research-driven academic programmes, where research forms an integral component of both undergraduate and postgraduate education. The institute has consistently encouraged the active involvement of undergraduate students in frontier research projects, leading to the launch of the Promotion of Research and Innovation for Undergraduate Students (PRIUS) scheme. The initiative provides students with early exposure to advanced research and innovation-oriented learning.

Research at IIT Indore has received recognition at both national and international levels. Faculty members and researchers are actively engaged in several prestigious international projects and collaborative research initiatives with leading institutions and organizations in Japan, South Korea, the Russian Federation, Portugal, France, Germany, the United Kingdom, the United States, and many other countries. These collaborations continue to strengthen the institute's global research presence and academic excellence.

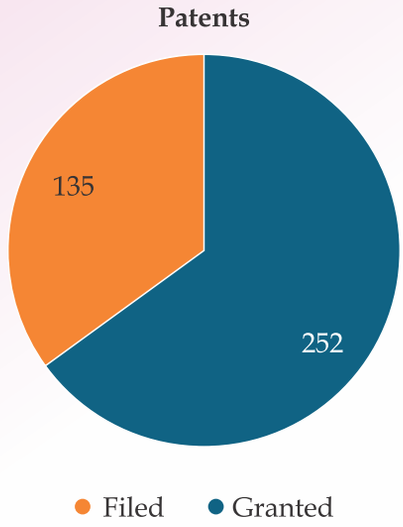
The institute's research ecosystem continues to foster high-impact publications, patents, technology transfer, startup incubation, and industry collaborations, thereby contributing significantly to scientific advancement and societal development.

Key Achievements of Research & Development at Indian Institute of Technology Indore

1. Overall Statistics

- Successfully executing and facilitating over 909 R&D projects funded by various national and international agencies, including 11 SPARC projects, along with 731 consultancy projects completed till date.
- The institute has received cumulative funding of approximately □843 Crore through sponsored research projects, consultancy assignments, workshops, and allied academic activities.
- Faculty members and researchers have contributed more than 10,743 publications in reputed national and international journals, conferences, and scholarly platforms.

- Achieved significant progress in intellectual property generation with 135 patents granted, including 2 US patents and 2 Chinese patents.



- The institute has sanctioned 10–15 positions annually under the Translation Research Fellowship (TRF) programme, with a financial support ceiling of □1 Crore per year, to enhance the Technology Readiness Level (TRL) of innovative technologies.
- A total of 31 Translational Research Fellowships have been awarded to promote the Lab-to-Land ecosystem and accelerate the translation of research outcomes into practical and societal applications.
- Under the high value ANRF PAIR project, IIT Indore as a Hub has successfully completed the procurement related activities for itself and all the 6 Spoke Institutes for a total amount of Rs. 46.30 Crores in less than 6 months. This involved 20+ high value Tenders and 75+ LPC's. This has been possible with the combined efforts of the R & D Procurement cell along with the Material Management Section of the Institute.

2. Recently Granted High-Value Projects

Indian Institute of Technology Indore has recently secured approval for several prestigious high-value projects under national flagship programmes. Final sanctions for these projects are awaited.

- DST SATHI Proposal

  IIT Indore has also been awarded DST SATHI proposal in principle where the upper limit of co-funding from DST is capped at Rs. 60 crores in this scheme. DST has selected our cluster, which includes IIT Indore, Natrax India, DAVV, Vikram Univ., etc.

3. Major Research and Innovation Initiatives

- ANRF PAIR Hub SAKSHAM: Under the ANRF-PAIR scheme, IIT Indore is chosen to host an ANRF-PAIR network called SAKSHAM along with 6 spoke institutions: Devi Ahilya Vishwa Vidyalaya (Indore), Vikram University (Ujjain), IIIT Bhopal, Bundelkhand University, NIT Kurukshetra, and RTM Nagpur University. This new endeavour comes with an allocation of Rs. 100 crores over the next few years.

- NM-ICPS Technology Translation Research Park (TTRP)

IIT Indore has also been selected to establish one of the four Technology Translation Research Parks (TTRP) under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS).

The proposal was submitted through the IITI Drishti CPS Foundation to address the growing national need for robust digital healthcare infrastructure. Following detailed evaluation, the Mission Governing Board of NM-ICPS selected the Foundation for upgradation to a TTRP.

This initiative will receive an additional allocation of approximately Rs. 100 Crore over the next few years.

- Defence Research and Development Organization (DRDO):- Dr. Girish Chandra Verma has been sanctioned a project named "Experimental investigations on enhancing the fatigue strength, wear and corrosion properties of DMLS-produced Ti6AI4V alloy using hot isotactic pressing, secondary heat treatment and laser nitriding" worth Rs. 2.9 Crores.
- TIH foundation -IoT,IoE:- A project named "Development of Portable Kit -An Alternative to Traditional Post Harvest Management" worth Rs. 1.29 crores is sanctioned to Dr. Debayan Sarkar.
- University Grants Commission (UGC):- has sanctioned a project worth Rs 1.13 crores titled "Sustainable Synthesis of Drug Targets, Machine learning, Chemoenzymatic Resolution and Advancing Tech-Transfer Chemical Education in India and Norway" to Dr. Debayan Sarkar.

4. Stimulus for Research, Development and Innovation

- Young Faculty Research Seed Grant (YFRSG):

  74 YFRSG (Young Faculty Research Seed Grant) awards, amounting to Rs. 7.37 Cr, have been provided to young faculty members of IIT Indore as bridge funding by the Institute till date, prior to receiving their first regular grant from external funding agencies.

- Dream Lab and PRIUS Projects:

  Till date, 42 Dream Lab projects and 33 PRIUS projects, amounting to Rs. 3.7 Cr, have been awarded by the Institute to young faculty members of IIT Indore with the objective of imparting high-end research training in cutting-edge areas and promoting close collaboration with undergraduate students enrolled at IIT Indore.

- Research Excellence Awards:

  8 Best Technology Awards, 10 Best Research Paper Awards, and 1 Best Review Paper Award have been conferred by the Institute upon students and faculty members, with a contingency grant of Rs. 2 lakh provided for each award.

- SIPPT Scheme:

  Under the Scheme for Intellectual Property Protection and Technology Translation (SIPPT), 82 IDF applications have been approved under SIPPT (Scheme for Intellectual Property Protection and Technology Translation) by the institute to support the faculty members by providing the partial financial support for each patent upto Rs. 50,000- for filing Indian Patent.

- Translation Research Fellowship (TRF):

  IIT Indore offers 10–15 TRF positions annually with an overall support ceiling of approximately Rs. 1 Crore per year to strengthen the Technology Readiness Level (TRL) of innovations and promote the Lab-to-Land ecosystem. A total of 31 Translational Research Fellowships has been awarded so far.

5. Research Outreach and Knowledge Dissemination

- Research Spectrum:

  IIT Indore publishes Research Spectrum, a quarterly research magazine showcasing graphical abstracts and highlights of selected research contributions by faculty members and students. Volume 1 and Volume 2 (8 issues) have already been released successfully.

- Research and Development Brochure has been released which gives an overview of the Research and Development section of IIT Indore.

Link: https://heyzine.com/flip-book/c5b55b13aa.html#page/1



Technology Handbook: 3rd Edition of 'A Compendium of Ideas, Innovations and Technologies of IIT Indore' has been released which compiles various technologies of IIT Indore available under 12 different themes.

Link: https://rnd.iiti.ac.in/main/current_handbook



S.N.	Themes	Technologies Developed
1	Advanced Computing (Supercomputing, AI, Quantum Computing)	14
2	Agri & Food Technologies	09
3	Smart Cities & Mobility	04
4	Energy, Sustainability & Climate Change	19
5	Biotechnology	10
6	Healthcare & MedTech	28
7	Manufacturing & Industry 4.0	26
8	Advanced Materials, Rare-earth & Critical Minerals	32
9	Space and Defence	03
10	Semiconductors	18
11	Disaster Management & Resilient Infrastructure	20
12	Next-Gen Communications	04



- One Week One Technology: As part of Research Outreach 'One Week One Technology' campaign was initiated to enhance the research outreach and understanding of Innovations/Research in Science and Technology at IIT Indore, details of such innovations are being published in various Newspapers.

  Link: https://dspace.iiti.ac.in/handle/123456789/14336

- InnoQuest Talks 1.0: Research and Development section has started technical podcast as research outreach program. On this platform the research work of Faculties of IIT Indore from different departments are discussed and the recorded sessions are made available on the official YouTube channel 'Indian Institute of Technology Official'.

  Link: https://www.youtube.com/@IITI_official/videos

Indian Institute of Technology Indore Official

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Welcome to the Official YouTube Channel of Indian Institute of Technology Indore. Subsc...more

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Director IIT Indore Prof. Suhas Joshi x Priyanka Kimmatkar | Vision & Leadership |...

1.2K views • 4 months ago



Prof. Devendra Deshmukh on Research, Leadership & Industry Collaboration |...

388 views • 3 months ago



Prof. Palani on Smart Materials, DRDO & ISRO Collaborations | InnoQuest Talks Ep#...

461 views • 1 month ago



Prof. Abhirup Datta on Building Space Science in India | InnoQuest Talks Ep#04...

33 views • 6 days ago



Prof. Nirmala Menon on Digital Humanities, Cultural Archives | ...

577 views • 8 months ago



Prof. Avinash Sonawane on Bench to Bedside | Research on novel ...

334 views • 3 months ago

International Relations



Indian Institute of Technology Indore has emerged as a globally engaged institution through its strong international collaborations in teaching and research. Committed to academic excellence, technological innovation, and the promotion of Indian culture and heritage, IIT Indore continues to build impactful global partnerships. With a vision to establish Centers of Excellence in cutting-edge research and initiate joint academic programs with top-ranked universities worldwide, the institute aims to integrate research, education, and innovation to address the evolving challenges of society.

At present we have 140+ MoUs signed across the globe, developed network with 400+ foreign universities, 40+ Bilateral Research Grants with foreign institutes, 10000+ Publications, 85+ GIAN Projects, 28+ Projects SPARC, VAJRA and ASEM-DUO.

IIT Indore recently hosted many international students in our degree & exchange programs from Russia, Germany, UK, Cameroon, Ethiopia, Nepal and other SAARC & ASEAN, African, and Middle East Region.

Recent MoUs and Global Academic Collaborations

The Institute has strengthened its global engagement through several MoUs and academic agreements with reputed universities and organizations worldwide. These collaborations promote student and faculty exchange, joint research, academic cooperation, internships, and innovation-driven partnerships with institutions across the USA, UK, Germany, France, Japan, Australia, South Korea, and many other countries.

Institution	Country
Technische Universität Berlin, Germany	Germany
Ostbayerische Technische Hochschule Regensburg (OTH Regensburg), Germany	Germany
The University of the Witwatersrand, Johannesburg (WITS), South Africa	South Africa
Al Akhawayn University in Ifrane (AUI), Morocco	Morocco
Wollega University (WU), Ethiopia	Ethiopia
Leiden Institute of Advanced Computer Science, Leiden University,	
The Netherlands	The Netherlands
AGH University of Krakow, Poland	Poland
Shinshu University, Japan	Japan
University of Oulu, Finland	Finland
Al Akhawayn University in Ifrane (AUI), Morocco	Morocco
Tomsk State University, Russia	Russia
Aalto University Foundations sr, Finland	Finland

National Kaohsiung University of Science and Technology (NKUST), Taiwan	Taiwan
University of Piraeus (UNIPI), Greece	Greece
North Carolina State University (NCSU), USA	USA
Hanyang University (HYU), South Korea	South Korea
Universidade de Caxias do Sul (UCS), Brazil	Brazil
IMRSAS, Slovakia	Slovakia
Novosibirsk State University, Russia	Russia
King Mongkut's Institute of Technology, Ladkrabang, Bangkok	Thailand
Aalto University, Finland	Finland
University of Huddersfield, UK	UK
and many other world-renowned organizations…	

IIT Indore-International Partners

IIT Indore actively collaborates with renowned international networks, funding agencies, and academic organizations. These collaborations support academic exchange, joint research, international mobility, Scholarships and global learning opportunities for students and faculty.

German Academic Exchange Service, DAAD
Study in India, SII
Indian Council of Cultural Relations, ICCR
Nepal Scholarship (EdCIL)
Heritage Network
Shastri Indo-Canadian Institute, SICI
The Association of Commonwealth Universities
Erasmus+
Indo-Ethiopia Network: 45 Ethiopian Universities
Sharman Foundation, USA

Academic Pursuits

We hosted international students/faculties/researchers under various academic/research programs such as PhD Co-supervision, UG exchanges, CV Raman Fellowship, India Science and Research Fellowship (ISRF), ASEAN-India Research Training Fellowship (AI-RTF), etc. Every year, IIT Indore intake international students through various government schemes such as Study in India (SII), Indian Council for Cultural Relations (ICCR), and Association of Southeast Asian Nations (ASEAN), SAARC Finance-RBI, Nepal Scholarship.

Fulltime International students under Academic Programmes at IIT Indore

Inbound Programme	Awardees	Home Country
Master's Programmes	Mrinmoy Sarkar Argho	Bangladesh
	Sagar Kumar Sah	Nepal
	Divyadev Bhatta	Nepal
	Ujjwal Rauniyar	Nepal
	Eshaan Sowale	USA (OCI Cardholder)
	Ashmita Marasenj	Nepal
	Samshrita Ghimire	Nepal
	Sadhana Warrier	USA (OCI Cardholder)
	Sudipta Debnath	Bangladesh

Year 2025-26 Inbound awardees of International Relations Fellowship Programmes:

Sr.	Name	Department	Program	Host University	Country
1.	Moyale George Khatete	Civil Engineering	Exchange Program (Short term Research Fellowship)	Jomo Kenyatta University of Agriculture and Technology	Kenya
2.	Molla Addisu Mossie	Electrical Engineering	Exchange Program (Short term Research Fellowship)	Bahir Dar Institute of Technology	Ethiopia
3.	Abeje Tilahun Fetene	Civil Engineering	Exchange Program (Short term Research Fellowship)	Bahir Dar Institute of Technology	Ethiopia
4.	Aika Okting'ati Aku	SHSS	Exchange Program (Short term Research Fellowship)	Sokoine University of Agriculture	Tanzania
5.	Robsan Abebe Asefa	Mechanical Engineering	Exchange Program (Short term Research Fellowship)	Wollega University	Ethiopia
6.	Divya Naginlal Modi-Nagowah	Chemical Engineering	Exchange Program (Short term Research Fellowship)	University of Mauritius	Mauritius
7.	Fahima Tabassum	BSBE	Exchange Program (Short term Research Fellowship)	University of Osaka	Japan
8.	Oyagbola, Elizabeth Oyetayo	MEMS	Exchange Program (Short term Research Fellowship)	University of Ilorin	Nigeria
9.	Abubakar Hamisu Kamagata	CSE	Exchange Program (Short term Research Fellowship)	Namibia University of Science and Technology	Namibia
10.	Taiwo Emmanuel Ayobami	Chemistry	Exchange Program (Short term Research Fellowship)	University of Ilorin	Nigeria
11.	George Edwin Owino	SHSS	Semester Exchange program (IR Fellowship)	Maasai Mara University	Kenya
12.	Suk Raj Rai	Physics	Semester Exchange program (IR Fellowship)	Sherubtse College, Bhutan	Bhutan

Year 2024-25 Outbound Awardees of International Relations Fellowship Programmes:

Sr.	Name	Department	Program	Host University	Country
1.	Vaibhav Tyagi	DAASE	Exchange Program (Short term Research Fellowship)	Royal Netherlands Meteorological Institute (KNMI)	Netherlands
2.	Kavita Singh	MFSBSBE	Exchange Program (Short term Research Fellowship)	University of Illinois at Urbana-Champaign, United States	US
3.	Lata Meena	Chemistry	Exchange Program (Short term Research Fellowship)	Kwansei Gakuin University	Japan
4.	Pritam Naskar	Mathematics	Exchange Program (Short term Research Fellowship)	University of Turku	Finland

5.	Gunjan Joshi	SHSS	Exchange Program (Short term Research Fellowship)	University Hospital Bonn	Germany
6.	Badri Narayana Sahoo	MFSBSBE	Exchange Program (Short term Research Fellowship)	Agencia Estatal Consejo Superior deInvestigaciones Científicas(CSIC)	Spain
7.	Nivedita Sethiya	CSE	Exchange Program (Short term Research Fellowship)	University of California Santa Barbara	USA
8.	Gami Pratiksha Kantilal	MEMS	Exchange Program (Short term Research Fellowship)	UNSW Sydney	Australia
9.	Manojkumar Balaji Kokare	EE	Exchange Program (Short term Research Fellowship)	University of Essex	UK
10.	Harshvardhan Solanki	Civil	Exchange Program (Short term Research Fellowship)	Asian Institute of Technology, Thailand	Thailand

Award of Mobility Grant 2025-26

S. No.	Name of the Awardee	Department	Institute visited
1.	Prof. Mirza Saqib Baig	BSBE	Sapienza University, Italy
2.	Dr. Sumit Gautam	EE	University of Luxembourg, Luxembourg
3.	Prof. Vimal Bhatia	EE	·Aalto University, Finland, ·National Sun Yat-sen University (NSYSU), Taiwan, and ·Škoda Auto University (ŠAU), the Czech Republic

Award of International Travel Grant 2025-26

S. No.	Name of the Awardee	Department	Institute visited
1	Dr. Sandeep Singh	ME	Ruhr University Bochum, Bochum, Germany
2	Prof. Niraj Kumar Shukla	Mathematics	RWTH Aachen University, Germany
3	Dr. Hem Chandra Jha	BSBE	University of Montpellier, CNRS, France
4	Dr. Lalit Borana	CE	The Hong Kong Polytechnic University, Hong Kong
5	Dr. Saptarshi Ghosh	EE	Queen's University Belfast, UK
6	Dr. Ananya Ghoshal	HSS	The University of Michigan, Ann Arbor, USA
7	Prof. Suman Mukhopadhyay	Chemistry	Universidade de Lisboa (ULisboa), Portugal
8	Dr. Eswara Prasad Korimilli	MEMS	The University of Tokyo, Japan
9	Prof. Preeti Bhobe	Physics	National Dong Hwa University, Taiwan
10	Dr. Ranveer Singh	CSE	University of Bergen, Norway

Short time Internships

S.No.	Name of the Intern	Home Institute	Host faculty at IIT Indore
1	Bhoomika Dowaraka-Persad	University of Mauritius	Prof. Mirza S. Baig, MFBSBE
2	Manjeet Purtambekar	Murdoch University, Australia	Prof. Aruna Tiwari, Agrihub
3	Reva Gandhi	Dartmouth University, USA	Prof. Pritee Sharma, MFSoS

International Outreach and Global Engagement

International Outreach is a mechanism to facilitate the exchange of knowledge and skills between India and other countries, especially through collaboration between Indian universities and public institutions/organizations abroad. We have organized several webinars and talk by eminent speakers from various streams in online/offline mode this year, some major activities are as follows:

Distinguished International Speakers and Academic Interactions

International Relations Office of IIT Indore regularly hosts distinguished international academicians, researchers, and industry experts for lectures, seminars, and interactive sessions. These engagements provide valuable global exposure to students, researchers, and faculty members while fostering academic and research collaborations.



Session on higher education opportunities in the United States by Dr. Deborah Rosario, Senior Education USA Adviser, USIEF Mumbai



Session Dr. Richard Thackray, University of Sheffield under Great talk initiative by British Council



Session on "Study in France by Dr. Philippe Maurin, Scientific and Higher Education Attaché, Consulate General of France



A mentoring session on the Fulbright-Nehru Fellowships (2027–28 cycle) by Dr. Ryan Pereira, Senior Regional Officer, USIEF



Visit of 29 International students under STEM Academies program in association with American Field Service (AFS)



Students from UC Louvain, Belgium at IIT Indore under the cultural & academic exchange program of IITI DRISHTI CPS FOUNDATION

Visits of IIT Indore Delegations to International Universities

Delegations from IIT Indore visited various international universities and institutions to explore opportunities for academic collaboration, joint research, student exchange, and institutional partnerships. These visits strengthened global engagement and enhanced the institute's international outreach initiatives.



IIT Indore delegation visit to Rutgers University–New Brunswick, NJ



IIT Indore delegation visit to University of Pittsburgh, USA



IIT Indore delegation visit to University of Notre Dame, USA



IIT Indore delegation visit to Purdue University, USA



IIT Indore delegation visit to Max Planck Society, Germany



IIT Indore delegation visited Singapore and had the honour of meeting H.E. Dr. Shilpak Ambule, High Commissioner of India to Singapore.

Visits of International Delegates and Guests to IIT Indore

International Relations office of IIT Indore welcomed several international delegates, university representatives, and academic leaders during the year. These visits facilitated discussions on collaborative programmes, research partnerships, student mobility, and future academic engagements.



Dr. Poonam Sehgal Suri, Representative of the Max Planck Society



Dr. Mayank Singh from Impute Inc. ,Tokyo, Japan and Naoya Oka from OXIDE Corporation, Japan



Prof. Elisabeth Jacobsen from Norwegian University of Science and Technology (NTNU), Norway



Dr. Nanasaheb Thorat from the University of Limerick, Ireland (NTNU), Norway



Dr. Philippe Maurin, Scientific and Higher Education Attaché, Consulate General of France Ms. Urjita Jaisinghani (Campus France) and Mr. Vincent Robin Gazsity (Alliance Française de Bhopal - Indore)



Prof. Yasuhide Hobara, Prof. Kazuto Masamoto. Assoc. Prof. Hiroki Furukawa, and Mr. Ryosuke Sasaki from The University of Electro-Communications (UEC), Tokyo, Japan

Bridge between International Students and IIT Community

Cultural celebrations, and informal gatherings with international students to promote inclusivity and cross-cultural engagement within the institute community. These initiatives helped create a welcoming environment and strengthened the bond between international students and the IIT Indore family.



Christmas Celebration



Diwali Celebration

Achievements 2025-26

Faculty Achievements

Faculty members of IIT Indore received several prestigious international fellowships, research grants, visiting professorships, awards, and collaborative opportunities during the year. These achievements demonstrate the institute's strong research ecosystem and its expanding global academic and research partnerships.

Name of Awardee	Award
Prof. Sk. Safique Ahmad	ICM 2026 Travel Support, USA
Dr. Dan Sathiaraj	Alexander von Humboldt Foundation, Germany
Prof. Sarika Jalan	Netsci Society Citation Award 2025, USA
Dr. Soumavo Ghosh	Invited Researcher, Observatoire de Paris–PSL, France

Dr. Gaurav Chauhan	ANRF International Travel Support (CECAM Workshop), Switzerland
Dr. Lokesh Kumar Dewangan	COSMOS, Excellence NUTTeO Project, France
Prof. Anirban Sengupta	IEEE CASS Distinguished Lecturer; Visiting Professor & Academic Visitor, Singapore
Dr. Appina Balasubramanyam	IEEE SPS Summer School, USA
Prof. Kapil Ahuja	ICERM Grant (Spring 2026 Program), USA
Prof. Santosh Kumar Sahu	Indo–Korea Collaborative Project, South Korea
Prof. I.A. Palani	Suzuki Next Bharath Research Fellowship, Japan
Prof. Kiran Bala	SPARC Project, Indo-German
Dr. Hem Chandra Jha	Leading House South Asia Grant, Switzerland
Prof. Bhupesh Kumar Lad	Critical Care Digital Twin Project, UK
Prof. Sandeep Chaudhary	TNE Grant (British Council), UK; AISRF Framework Project, Australia; SPARC-UKIERI Project, UK
Prof. Debayan Sarkar	Indo-Norway Project (INCP-2), Norway
Prof. Abhirup Datta	Vaibhav Fellowship Program, Indo-US
Prof. Nirmala Menon	Fulbright Research Fellowship, U.S. State Department, USA
Prof. Venkatesh Chelvam	SPARC Project, India/Japan
Dr. Ananya Ghoshal	TESOL Workshop Scholarship, TESOL International Association, USA
Dr. Santanu Manna	NBHM Travel Grant Awards, France and ICM 2026 by IMU, USA
Dr. Abhishek Singh	Ramanujan Fellowship, MARIE Project, DFG, Germany
Prof. Prabhat Kumar Upadhyay	SSTSG 2025-26, Shastri Indo-Canadian Institute (SICI), Canada
Prof. Abhishek Srivastava	University of Jyväskylä Visiting Fellow Grant, Finland
Prof. Santosh Kumar Sahu	Indo–Korea Collaborative Project on HVAC with Pusan National University, South Korea
Prof. Ajay Kumar Kushwaha	DST–MSHE Indo-Russia Project on Green Hydrogen
Prof. Mirza S. Baig	AHA International Visiting Professorship Award (USA) & ICMR-DHR International Visiting Professorship Award (India)
Prof. Shaibal Mukherjee	Friedrich Wilhelm Bessel Research Award by Alexander von Humboldt Foundation, Germany
Prof. Preeti Bhobe	International Guest Lecturer Fellowship, University of Duisburg-Essen, Germany
Prof. Anirban Sengupta	Fellow of IET (UK) & Fellow of British Computer Society, UK
Dr. Dishari Chattaraj	Friedrich Wilhelm Bessel Research Award by Alexander von Humboldt Foundation, Germany
Dr. Suman Majumdar	International Guest Lecturer Fellowship, University of Duisburg-Essen, Germany
Dr. Khushubo Devi	IGSTC WISER-2025 Award, Germany
Dr. Soumavo Ghosh	DAAD RISE Worldwide-2025 Scholarship, Germany
Prof. Neelima Satyam Devarakonda	American Geophysical Union (AGU) Natural Hazards Mitigation Award 2025
Prof. Debayan Sarkar	ICMR-DHR Long-term International Fellowship 2025, Germany

Student Achievements

Students of IIT Indore continued to excel at the international level by securing prestigious fellowships, scholarships, internships, exchange opportunities, and research awards from globally reputed organizations and universities. These accomplishments reflect the institute's growing global presence and the academic excellence of its students.

Name of Student Enrolled Programme and Dept)	Award
Dodiya Yashkumar Shailesh (BTech, AASE)	NDnano Undergraduate Research Fellowship, USA
Narottam Sahu (MSc, Chemistry)	JST-LOTUS Fellowship, Japan
Ayush Garg (PhD, ASSE)	OPUS Research Grant, Poland
Nikhil Kumar Pandey (PhD, CE)	ISSMGE Foundation Award, UK
Sayak Chakravorty (PhD, CE)	Mitacs Globalink Research Award, Canada
Arpit Kumar Singh (PhD, ME)	ANRF-ITS, India
Deborshee Sinha (PhD, CE)	Mitacs Globalink Research Award, Canada
Atul Verma (PhD, EE)	JST Lotus Fellowship, Japan
Shravan Kumar Namdeo (PhD, EE)	JST Lotus Fellowship, Japan
Shraddha Mohnani (PhD, AASE)	Transnational Access Travel Grant (ACME), Italy
Sheetal Gupta (PhD, MEMS)	ANRF-ITS, India
Sayali Sudhakar Suradkar (PhD, HSS)	SOAS Travel Grant, UK
Kanika Kiran (PhD, BSBE)	Mobility Grant, Slovenia
Dinesh Parida (PhD, BSBE)	Bi-national Cotutelle Research Grant (DAAD), Germany
Kuldeep Pathak (PhD, CSE)	Research Stay, Ministry of Science and Culture of Lower Saxony (MWK)
Vikas Rawat (PhD, CE)	International Travel Support (ITS) Award, ANRF, India
Neha Sharma (PhD, EE)	Visiting PhD Student, University of Luxembourg, Luxembourg
Lekhraj Saini (PhD, AASE)	IEEE, GRSS and International Travel Support (ITS) Award, ANRF, India
Ashish Arun Kurdekar (PhD, Physics)	CSIR NET Fellowship, India
Suresh Chandra Baral (PhD, Physics)	Commonwealth Split-site PhD Scholarship, CSC/FCDO, UK
Pratiksha Gami (PhD, MEMS)	Student Sponsorship Award, The International Battery Materials Association Annual Meeting 2025, Singapore
Devanshi Chhatbar (UG, CSE)	NUS Young Fellowship Program, NUS Singapore
Suman Das (PhD, JPN CoE)	Bilateral Mobility Grant, CMEPIUS & Slovenia
Gunjan Joshi (PhD, HSS)	Travel Grant for EBRAINS Conference 2026, France
Aishwarya Gupta (PhD, EE)	JST LOTUS (India-Japan Circulation of Talented Youths in Science Programme)
Nissar Hussain (PhD, Chemistry)	International Travel Support (ITS) Award, ANRF, India
Harshita Bhuyan (PhD, AASE)	Bi-nationally Supervised Doctoral Degree Scholarship, DAAD Germany

Alumni & Corporate Relations (ACR)



Report on activities undertaken during the period June 2025 to May 2026 for inclusion in the Convocation Report 2026.

About ACR Office: The Alumni & Corporate Relations (ACR) office is set up to foster and maintain relationships with Alumni & Corporate entities. The office includes a dedicated, dynamic, and enthusiastic team of officials and staff, headed by Prof. Suman Mukhopadhyay, Dean (ACR), who work consistently towards achieving the objectives of the institute, aligned with its vision.

A. Activities undertaken by the ACR team to foster "Alumni Relations":

1. Alumni Meets/Get-together:

- 1st Meet: Successfully organised its first India Alumni Get-together on July 20, 2025, at Chennai. The event was attended by around 15 alumni (along with their family members).
- 2nd Meet: The second Alumni Get-together was organised on August 30, 2025, in Kolkata. The event was attended by around 10 alumni (along with their family members).
- 3rd Meet: The third Alumni Meet has been organised on September 13, 2025, at Hyderabad. The event was attended by around 25 alumni (along with their family members).
- 4th Meet: Successfully organised its Fourth Alumni Meet-Bangalore Chapter 2.0 on January 17, 2026, at Bangalore. The event was attended by around 178 alumni (along with their family members).
- 5th Meet: The First out of India Alumni Meet- Munich was organised on February 28, 2026, in Munich. The event was attended by around 9 alumni (along with their family members).

2. Magnum Opus 2026 (Alumni visiting IIT Indore Campus):

- Magnum Opus 2026- (A Get-together with Alumni & current students) held on January 31, 2026, & February 1, 2026, at IIT Indore Campus. The event was attended by around 60 alumni (along with their family members).

3. Collaborations with Alumni:

- Signed the MoU with Mumbai-based alumni on March 16, 2026, in Mumbai.

4. Alumni Hour & Interactive Sessions:

- Conducted by Munich-based Alumni on April 25, 2026 (Participants: 3 Alumni & 60+ current students).

5. Yearbook -2025 & 2026:

- Released 02 editions of the yearbook "ADIOS 4.0 & 5.0" for the graduating students of 2025 & 2026.

6. Alumni Magazine-2024 & 2025:

- Released Alumni Magazine Volume I Issue I on September 13, 2025, during Alumni Meet – Hyderabad Chapter and Volume I Issue II on January 17, 2026, during Alumni Meet – Bangalore Chapter.

7. **Institute Newsletters:**

- Released the Institute Newsletter "POD Pulse" every bi-monthly

8. **Young Alumni Achievers Awards**

- The Young Alumni Achievers Awards (YAAA) celebrate excellence, innovation, and leadership among IIT Indore's emerging alumni leaders. This year, Ashok Pancily Poothiyot (B.Tech CSE-2014) was honored for his outstanding professional achievements and impactful contributions to his field.

Few Glimpses of Alumni Relations Activities

Alumni Meets (country-wise)



Munich Alumni Meet
February 28, 2026



Kolkata Alumni Meet
August 30, 2025



Chennai Alumni Meet
July 20, 2025



Hyderabad Alumni Meet 2.0
September 13, 2025



Mumbai Chapter Formation
MoU Signing:



Magnum Opus- 2026



Bangalore Alumni Meet 2.0
January 17, 2026









Young Alumni Achievers Award

B. Activities undertaken by the ACR team to foster "Corporate Relations":

1) Project implementation under CSR initiatives:

a. **Housing and Urban Development Corporation (HUDCO):** Received financial assistance of Rs. 2.5 Crore for the construction of the 3rd Floor at the PM-AJAY Students' Hostel, significantly expanding residential capacity on campus.

b. **KISEM Energy Project:** IIT Indore has signed an MoU with IIT Madras to establish the "Kotak-IITM Save Energy Mission (KISEM) - IIT Indore Spoke" with a sanctioned budget of Rs. 1.50 Crore. The initiative focuses on driving energy efficiency and sustainable technological solutions.

c. **Ansys Part of Synopsis:** Distribution of Merit-cum-Means Scholarships to support high-performing students with a sanctioned budget of Rs. 12.40 Lakh.

d. **Revvity Healthcare India Pvt. Ltd.:** IIT Indore and Revvity Healthcare India Pvt. Ltd. have signed an MoU to support the research project, "India's Oral Cancer Crisis: The Oral Submucosal Fibrosis Challenge". With a sanctioned budget of Rs. 30 Lakh under its CSR program.

e. **MAHLE Engine Components India Pvt. Ltd. (Pithampur):** IIT Indore and Mahle Engine Components India Pvt. Ltd. to enhance campus logistics. Under this CSR partnership, MAHLE has sanctioned Rs. 20.14 Lakh for a 50-seater Bus to facilitate safe and efficient commuting for the institute's faculty, students, and staff.

f. **Moira Sariya:** Moira Sariya has donated a Topcon Non-Contact Tonometer, valued at Rs. 4 Lakh, to the IIT Indore Health Centre under the CSR Initiative. This advanced diagnostic instrument strengthens the institute's medical infrastructure by providing precise, non-invasive eye screenings for the entire campus community.

2) Corporate/Industry Visit to IIT Indore:

Multiple corporate entities and industry leaders visited IIT Indore during the academic year to explore potential research partnerships and to engage with the Institute on Corporate Social Responsibility (CSR) initiatives. Some of them are as follows:

a. HUDCO: December 17, 2025

b. Volvo Eicher Commercial Vehicles, Pithampur: December 19, 2025

c. Mahle Engine Components India Pvt Ltd: January 5, 2026

d. Indian Oil Corporation Limited (IOCL): March 20, 2026

e. SBI Foundation: April 24, 2026

3) Corporate/Industry Visited by IIT Indore Team:

As part of IIT Indore's ongoing efforts to foster strong academic-industry collaboration and explore opportunities for research partnerships, technology transfer, and student engagement, several visits were undertaken by the Institute's faculty and senior officials with prominent industries in the region.

Some of them are as follows:

a. Moira Sariya, Pithampur: November 20, 2025

b. GCF, VFJ, GIF, Jabalpur: April 9 – April 11, 2026 (a three-day program)

c. NTPC, Khargone: May 8, 2026

4) Corporate Industry Connect:

IIT Indore has conducted the 5th CSR & CIC Conclave Meet, CSR on 8th August 2025 at Delhi, aiming to bring together industry leaders and academicians to foster dialogue and collaboration in corporate social responsibility (CSR) initiatives. The event was graced by the presence of distinguished guests and participants from corporates & Industries/Corporate and Director, IIT Indore, faculty, and officials from IIT Indore.

A Few Glimpses of Corporate Relations Activities



MoU signing between Revvity HealthCare India Pvt. Ltd. and IIT Indore on May 5, 2026



Visit to NTPC, Khargone, May 8, 2026



Visit to GCF, VFJ, GIF, Jabalpur, April 9 – April 11, 2026



SBI Foundation on April 24, 2026



HUDCO, Bhopal at IIT Indore, December 17, 2025



Mahle Engine Components India Pvt Ltd at IIT Indore in January 2026



Corporate Industry Connect Meet in Delhi, August 8, 2025



Visit to Moira Sariya, Pithampur, November 20, 2025

C. Other Activities undertaken by the ACR team:

1. Internship for External Students: The Alumni and Corporate Relations Office, IIT Indore, announces Summer and Winter Internship opportunities for external undergraduate and postgraduate students from various institutes and universities. The programme provides an opportunity to gain research and exposure under the guidance of IIT Indore faculty members and associated centers, helping students enhance their academic knowledge, technical skills, and practical experience.

2. Dissertation for External Students: IIT Indore invites bright and motivated students to undertake their dissertation work under the guidance of its esteemed faculty members. This opportunity provides students access to the expertise and research facilities at IIT Indore to enrich their academic journey.

3. Scholarships:

a. Yuva Unstoppable Scholarship Scheme 2025-26: Under this scheme, 8 B. Tech 1st year students received a maximum scholarship of Rs. 50,000 per year for the Academic Year 2025-26.

b. Meri-cum-Means (MCM) Scholarship Scheme 2025-26: Under this scheme, 20 M. Sc. 1st year students received a maximum scholarship of Rs. 27,000 per year for the Academic Year 2025-26.

c. Rupa Rahul Bajaj Scholarship for Women in Engineering (RRBSWE) Scheme 2025-26: Under this scheme, three women B. Tech 1st year students received a maximum scholarship of Rs 2,00,000 per year for the Academic Year 2025-26.

Educational Outreach



About the Office of the Educational Outreach:

The vision of the Office of Educational Outreach is driven by a deep belief in the transformative power of education to shape lives, build communities, and create a prosperous world. At the core of our mission lies a commitment to excellence, equity, and empowerment in education. The department is hosting various degree and certificate programs along with skill development programs.

1. **Master of Science in Data Science and Management (MSDSM):**
   In collaboration with IIM Indore, IIT Indore has started a two-year Master of Science program in Data Science & Management. Four batches have already been started since the year 2021. A total of 156 students graduated from Batch 1, 2 & 3. The fourth batch of 69 students shall be graduating & degrees are being awarded in upcoming Convocation.

2. **Executive M.Tech for Employees of Volvo Eicher Commercial Vehicle (VECV):**
   The Institute has started a two-year executive M. Tech program in "Hybrid and Electric Vehicle Technology" for Employees of VECV in the academic year 2023-24, under academia-industry collaboration signed on 31st July 2023. In the First batch, a total number of 10 employees of VECV Ltd. were enrolled in AY 2023-24. In the second batch total number of 09 employees of VECV Ltd. were enrolled in AY 2024-25. In the third batch total number of 17 employees of VECV Ltd. were enrolled in AY 2025-2026.The Batch-1 & Batch-2 of 19 students shall be graduating & degrees are being awarded in upcoming Convocation.

3. **Inbound UG Program for students of Engg. Colleges of Govt. of Madhya Pradesh:**
   The Institute has also started an Outreach program, wherein the selected students of Engg. Colleges under Govt. of Madhya Pradesh are given opportunity to study and complete their last year of B. Tech at IIT Indore, under "Memorandum of Understanding (MoU) with Department of Technical Education Skill Development and Employment, Govt. of Madhya Pradesh (In-bound UG Program)" executed on 28th August 2023. In the 1st batch 23 (Nos.) & in the 2nd batch 17 (Nos.) & in the 3rd batch 24 (nos) selected students joined the program and completed their 8th Semester at IIT Indore. The fourth batch shall start in July / Aug 2026 tentatively.

4. **PhD program for faculty of Engineering College (CT Category):**
   Recognizing the mutual objective to foster academic collaboration, enhance educational opportunities, and promote research culture, IIT Indore has started Part-time Doctor of Philosophy (Ph.D.) Program for permanent faculties from the Government (Autonomous) Engineering Colleges including University Institute of Technology – Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal under Memorandum of Understanding (MoU) with the Department of Technical Education Skill Development and Employment, Govt. of Madhya Pradesh, executed on 28th August 2024. In the First batch, a total number of 03 faculties from the Government (Autonomous) Engineering Colleges, including University Institute of Technology – Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, were enrolled in Ph.D. program in AY 2024-25.

5. **MTech for the officers of MCTE Mhow:**
   IIT Indore is going to offer a two-year M. Tech Degree Program for officers under the Sponsored Candidates (SW) category under the Center for Futuristic Defense and Space Technology (CFDST) at IIT Indore. This initiative is designed to accelerate technology absorption within the armed forces and create specialized human resources in cutting-edge technologies tailored for military applications. The program will provide state-of-the-art technology training to defense personnel.

   In the First batch, a total of 30 army officers joined the institute in the July 2025 batch & a total of 15 army officers will be joining our institute in the July 2026 batch.

6. **Collaboration between IIT Indore and National Automotive Test Tracks (NATRAX):**
   IIT Indore and National Automotive Test Tracks have signed an MoU for aim to conduct joint research and technology development projects on focus areas like road safety, sustainability, track predictive maintenance, use of alternate materials for tracks, as well as areas on electric vehicles and batteries, etc.

7. **Academic association with Military Institute of Technology (MILIT), Pune:**
   Academic collaboration with Military Institute of Technology (MILIT), Pune wherein IIT Indore will assist MILIT, Pune in building up capacity in the renewable energy domain.

8. **Training program for TGT- Science & Maths of PM Shri JNVs 25 to 29 November 2024 & 21 November to 1 December 2025.**
   The Ministry of Education has introduced a scheme aimed at enhancing the quality of education across India through structured training programs for teachers of PM-SHRI Schools. This initiative focuses on upgrading the pedagogical skills, technical knowledge, integration of technology in education, and subject-specific skill enhancement and overall competency of teachers to meet the evolving educational needs in schools and higher education institutions. As part of this initiative, IIT Indore has been invited to participate in the program by offering teacher training sessions for uplifting the standard of teaching and strengthening the educational foundation at the grassroots level.

   Under this program, a total of 256 teachers attended the one-week residential Teachers Training program.

9. **Exposure visits for PM SHRI KV, & JNV School visit:**
   IIT Indore is part of the PM School for Rising India (PM Shri) scheme of Govt. of India, to promote transformation in equity, access, and inclusion in school education. The overarching purpose of PM SHRI School is to nurture students in a manner that transforms them into engaged, productive, and contributing citizens. The objective of the Institute visit of students from PM Shri School for Rising (PM Shri) was to expose the students to cutting-edge research, innovations, and academic excellence fostered at one of India's premier technical institutes. The visit aimed to bridge the gap between theoretical knowledge and real-world applications and enhance the students' understanding of current technological advancements and their implementation.

From August 2024 to March 2026, approx. 4500 students from various Kendriya Vidyalaya (Kvs), PM SHRI Schools, JNV, State Govt. Schools and private schools visited IIT Indore.

10. **Vishwakarma Award-2025:**

The Vishwakarma Awards 2025, organized by the Maker Bhavan Foundation, were successfully held at Indian Institute of Technology Indore. The event celebrated innovation, creativity, and engineering excellence among undergraduate and postgraduate STEM students from India and SAARC countries. Around 3,600 students participated, with 12 finalist teams showcasing innovative hardware-based prototypes focused on real-world challenges in areas such as Smart Mobility, Healthcare, and Artificial Intelligence.

The grand finale was attended by distinguished dignitaries including Prof. Suhas Joshi, Director of IIT Indore, Dr. Hemant Kanakia, and Mr. Gautam Khanna, President & CEO of Maker Bhavan Foundation. The event highlighted the importance of transforming student ideas into practical and industry-ready solutions through mentorship, technical evaluation, and entrepreneurship training. The Vishwakarma Awards 2025 provided an excellent platform for young innovators to demonstrate their technical skills, problem-solving abilities, and commitment toward societal development.

11. **Margdarshan Scheme:**

IIT Indore has been nominated as Mentor Institution (MI) under Margdarshan scheme 2023 of All-India Council of Technical Education (AICTE) which aims at mentoring local Engineering Colleges (Mentee Beneficiary Institute). In Under the Margdarsan Scheme many activities performed in the AY 2025-2026 are: -

- Faculty Development Program (FDP).
- IPR: Understanding The Complete Cycle from Filling to Publication to Grant.

12. **Sant Shiromani Ravidas Global Skill Park (GSP) under the Department of Technical Education, Skill Development and Employment, Govt. of Madhya Pradesh:**

IIT Indore entered into an agreement on October 04, 2023 with Sant Shiromani Ravidas Global Skill Park (GSP) under the Department of Technical Education, Skill Development and Employment, Govt.of Madhya Pradesh, wherein IIT Indore will run and operate training facility at Centre for Occupational Skills Acquisition-II (COSA-II) in the GSP and will offer industry aligned programs. The potential beneficiary of this scheme will be the students of ITI, Diploma and B.E./B.Tech programmes of educational institutions running under the aegis of Govt. of Madhya Pradesh.

A total of 42 students participated and were trained at Central Workshop.

13. **Executive M.Tech for Employees of Case New Holland Construction Equipment (India) Private Limited:**

The institute has started a two-year executive M. Tech program for Employees of CNH in ""Heavy Vehicle Mobility Engineering"" in the academic year 2026-27, under academia-industry collaboration signed on January 31, 2026. In the First batch, a total number of 15 employees of Case New Holland Construction Equipment (India) Private Limited were enrolled in AY 2026-27. The first batch shall start in July/Aug 2026.

14. **Signed MOU for Certificate program for Engineering Education Excellence (CEEE) with INAE:**

Indian National Academy of Engineering and Indian Institute of Technology Indore signed a Memorandum of Understanding (MoU) for the Certificate Program on Centre for Engineering Education Excellence (CEEE). The program aims to enhance the quality of engineering education through innovative teaching practices and faculty development initiatives. Under this collaboration, IIT Indore will act as a mentoring centre for engineering faculty members. The initiative focuses on improving academic excellence, industry-oriented learning, and modern pedagogical approaches. The CEEE program is supported by AICTE and Infosys Foundation to strengthen engineering education across India.

Makerspace Laboratory – IIT Indore

The Makerspace laboratory of IITI comprises of world-class infrastructure equipped with state-of-the-art facilities for prototype development, innovation and experiential learning. The lab has all the essential facilities related to electrical, electronics, mechanical, and computational under one roof to cater the prototype and product development requirements in pilot scale. It undertakes laboratory sessions for about 1st year UG students of IIT Indore. In addition to this, the Makerspace laboratory also provides support for a few other core and elective courses offered to senior UG students and PG & PhD students. These facilities are accessed by the UG students for their final year B.Tech projects, Masters and PhD students for their research, and several faculty members for executing their research projects.



Highlights of activities by Makerspace Laboratory during AY 2025-2026 are as follows:

- **Genesis Program:** The makerspace laboratory has organized a Genesis Program for newly joined B.Tech Students from July 29, 2025 - August 01, 2025. Bridge making activity, assembly /disassembly activity for Gearboxes, Robot, Carburettors, Clutches, Valves, Microscope, CPU, Microwave and Paper shredder were performed by the students.
- **Laboratory classes:** Makerspace has conducted practical classes of Makerspace lab (IC-152) in Autumn and Winter semester. Practical works on stitching of Aprons using a sewing machine, Modelling of 2D and 3D components, 3D printing of parts, CNC machining of materials, joining of metals, Simulation of the circuit, Assembly, and testing on Breadboard, the know-how of the Oscilloscope, function generator, Power source etc. Soldering of joints, PCB routing using software, PCB fabrication and testing, Coding and interfacing sensors to Arduino and Raspberry-PI, Basic signal generation and measurements with Arduino were completed by students (Total 457 students).
- **Fabrication Request completed by Makerspace:** The Makerspace has completed 52 Nos of different work requests for various purposes, including UG/PG teaching, PG Research, BTP, and Sponsored projects.

- **Demonstration of line following robots (the final project IC-152 course of 1st year UG tudents):** The B. Tech first year students have fabricated 80 nos. of line follower robots for different applications (i.e. Agricultures, Householding, Housekeeping, Industrial works etc.). The laboratory assisted the students in terms of resources, guidance and consumables.



Line follower Robot Presentation

- **Capstone projects:** To enhance the student's hands-on skills and promote interdisciplinary learning activities, to be able to fabricate a prototype or product and to apply the concepts learn in the class to real life applications the makerspace laboratory has offered capstone projects. Currently 23 projects proposal submitted by faculty members and more than 86 students are working on 18 real life projects.
- **Training Program:** Following training program has organised:
- The Makerspace Lab organized a specialized training program for Kids of faculty and staff of Indian Institute of Technology Indore (Class 7–12) from 19th May to 31st May 2025, focusing on hands-on learning, creativity, digital fabrication, and innovation-driven activities.
- A Makerspace training program was conducted for students of Shishukunj International School on 10th and 11th August 2025, providing exposure to modern prototyping tools, design thinking, and experiential learning methodologies.
- The Makerspace Lab also organized a Teachers' Training Program for Jawahar Navodaya Vidyalaya teachers from 21st November to 1st December 2025, aimed at integrating innovation, fabrication technologies, and project-based learning into school education.
- A dedicated training program for students of Maulana Azad National Institute of Technology Bhopal was conducted from 16th to 19th December 2025, covering rapid prototyping, digital manufacturing, and interdisciplinary product development.
- The Makerspace Lab conducted a training and innovation program in CELITE Campus UEC Ujjain from 9th to 16th March 2026, focusing on practical exposure to fabrication technologies, engineering design, and creative problem-solving around 120 Students were trained.
- A collaborative Makerspace training program was organized for SOET, SVV, on 28th April 2026 to provide students with hands-on experience in advanced manufacturing tools, prototyping techniques, and innovation-based project development.
- **Visit of Eminent Professors/Industrialist/Scientists/Faculties/Officials/Students:** The Makerspace state of art facilities visited by several Eminent Professors/Industrialist/Scientists /Faculties/Officials/Students (College and School Students) during the year 2025-2026. All the visitors appraised the Makerspace facilities.

Student Affairs

The Student Affairs Office at IIT Indore functions as the formal administrative interface between the Institute and its students. It oversees and supports student-led initiatives and events through the Student Gymkhana, ensuring smooth coordination and alignment with institutional values. The office is led by

- Prof. Amod C. Umarikar – Dean of Student Affairs (DoSA)
- Dr. Jayaprakash Murugesan – Associate Dean of Student Affairs (ADoSA1)
- Dr. Abhijeet Joshi – Associate Dean of Student Affairs (ADoSA2)
- Cdr. Sunil Kumar (Retd.) – Officer, Student Affairs
- Mr. Surendra Singh Sulya – PA to DoSA
- Mr. Aman Shrivastava – Junior Assistant

Student Life at the Campus

Life at the Institute is vibrant, dynamic, and purposefully designed to nurture both academic excellence and personal growth. Students thrive in a holistic environment that blends learning with exploration:

Clubs & Cells: A wide range of structured extracurricular activities encourage creativity, leadership, and teamwork.

Practical Exposure: BTech project work and industrial visits provide hands-on experience, bridging theory with real-world application.

Industry & Academia Engagement: Strong collaborations prepare students to meet professional challenges with confidence.

Personalized Support: Academic mentorship and guidance ensure every student receives the care and direction they need to succeed.

LIVE (Lifeskills Initiatives and Value Education): LIVE at IIT Indore is a unique committee that brings together academics, student affairs, the health centre, and the counselling centre to focus on student well-being. By uniting all stakeholders on one platform, LIVE ensures that mental health, personal concerns, and academic challenges are addressed with collective attention and care. This integrated model—first of its kind in India—demonstrates IIT Indore's commitment to nurturing not just academic excellence but also the holistic growth and resilience of its students.



GENESIS (Guiding Emerging New Entrants through Student Induction and Support): is IIT Indore's flagship orientation program, created to help first-year students transition smoothly into the Institute's ecosystem. During this period, no classes are held, allowing students to focus on academic familiarization, mentorship, wellness sessions, and understanding the institutional ethos. The program also includes structured visits to places like the Army Aero Nodal Center, Army Marksmanship Unit, Infantry Museum, and Cadets Training. By combining exposure, discipline, and early engagement, GENESIS fosters a strong sense of belonging and prepares students for both academic and personal success.

Student Gymkhana

The Student Gymkhana is the central student body at IIT Indore, responsible for coordinating student activities and initiatives. It is organized into five main councils:

- **Science & Technology Council:** Comprising 15 clubs, it drives technological excellence through initiatives like IITISoC, workshops, and national-level competitions, while fostering innovation and hands-on learning.

- **Cultural Council:** With 16 clubs, it enriches campus life through festivals, performances, and creative showcases, celebrating diversity and artistic expression.
- **Sports Council:** Hosts prestigious events such as the Inter IIT Aquatics and Sports Meets, alongside flagship fests like LAKSHYA, promoting athleticism, teamwork, and a vibrant sports culture.
- **Counselling, Outreach & Alumni Council** Focuses on student well-being, alumni engagement, and outreach activities, strengthening community ties.

Together, these councils make the Gymkhana a dynamic platform for leadership, creativity, and holistic student development.

Science and Technology Council

The Science & Technology Council (SnT Council) continued to strengthen IIT Indore's technical ecosystem through impactful initiatives, institutional reforms, club development, and national-level achievements during 2025–26. The council's most significant achievement was IIT Indore securing the Overall 2nd Runner Up position at Inter IIT Tech Meet 14.0, marking the Institute's first-ever podium finish at the competition with 2915 points, multiple medals, and zero penalties. Through its clubs, workshops, competitions, expos, and collaborative projects, the council fostered innovation, interdisciplinary learning, and hands-on technical experience across campus.

Key highlights of the year include:



- Overall 2nd Runner Up at Inter IIT Tech Meet 14.0, achieving IIT Indore's historic first podium finish.
- Revamp of Genesis 2025 into an integrated software–hardware format, expanding participation and practical exposure.
- Establishment of Infinitrix: The Maths Club as an independent club under the Students' Gymkhana.
- Transformation of the CAE Club into the Rocketry Team (Team Vyoman), promoting multidisciplinary aerospace and propulsion projects.
- Procurement of an NVIDIA RTX A6000 (48GB) GPU to support high-performance computing and multi-club technical work.
- Introduction of a structured membership and induction review mechanism to improve transparency and accountability.
- Administrative and policy reforms aimed at better role distribution and smoother council functioning.
- Organization of initiatives such as the Independence Day Tech Expo, workshops, technical talks, and collaborative competitions across domains.

With 15 active clubs spanning software, robotics, electronics, astronomy, mathematics, automotive engineering, and aerospace, the SnT Council continued to serve as a driving force for technical excellence and innovation at IIT Indore.

Academic Council: The Academic Council undertook several initiatives aimed at strengthening student engagement, representation, and academic enrichment across the Institute. An interactive JEE Open House session was conducted for prospective B.Tech students, led by Junior and Senior Senators along with General Secretaries, to familiarize incoming students with academic structures and student governance. Elections for B.Tech Second Year Class Representatives, along with a structured induction process for First Year representatives, ensured active student participation and promoted leadership development. In addition, departmental orientation sessions were organized across all departments, providing new students with detailed insights into academic expectations, curriculum structures, and

opportunities within their respective disciplines. It also facilitated several major academic and intellectual events during the year.



The Research and Industrial Conclave (RIC) 2026 brought together academia, industry, and defence sectors through research presentations, workshops, innovation exhibits, hackathons, and expert panel discussions, fostering interdisciplinary learning and strengthening industry exposure.



MUN 9.0: A three-day conference centered on diplomacy and policy discussions, provided delegates with a platform for debate, negotiation, and resolution drafting on global issues. Collectively, these initiatives contributed to strengthening the institute's research culture, encouraging critical thinking, and enhancing students' academic, professional, and leadership capabilities.

Sports Council:



IIT Indore's Sports Council has built a vibrant sporting culture with world-class facilities and expert coaching, enabling students to shine at national competitions. At the Inter IIT Sports Meet hosted by IIT Hyderabad, the Institute proudly secured 4th place in Girls' Badminton and Volleyball, finished in the Top 8 in Cricket and Football, and shared 4th position in Chess, reflecting the strength and dedication of its athletes.

Counselling Outreach & Alumni Council



E Summit'25: E-Summit 2025 brought together startups, investors, industry leaders, and students for two days of innovation and entrepreneurship at IIT Indore. The summit featured the Startup Expo, PitchX investor pitching sessions, and competitions including Boardroom, Case Chronicles, Product Breakdown, Design Odyssey, and DevCraft. Key highlights included Innovators Unplugged and Visionary Vault, where renowned entrepreneurs and industry leaders shared insights on startups, leadership, and innovation.



Serenity: Organized "Serenity" on World Mental Health Day (11th Oct) to promote mental well-being through interactive student engagement. Coordinated food and game stalls managed by students, providing logistical support and entrepreneurial opportunities. The event featured an "Ask Us Anything" session with professional counselors and successfully fostered mental health awareness, creativity, teamwork, and active campus participation.



TedX: TEDxIITIndore 2026, themed "The Uncharted Lap," combined intellectual discourse with an engaging community experience at IIT Indore. The event featured the TEDx Carnival and Food Fest with interactive activities attracting 1,500+ participants, followed by insightful talks from distinguished leaders, entrepreneurs, researchers, and creators including Anil Khosla, Madhukar Swayambhu, Kishore Taid, and Yash R. Mishra, concluding with a musical performance by Ziddi Band.



PAN IIT Wellbeing Summit 2026: Represented IIT Indore at the PAN IIT Wellbeing Summit 2026 hosted by IIT Guwahati. Participated in discussions on academic stress, depression prevention, and student well-being initiatives while engaging with representatives from multiple IITs. Gained valuable insights into institutional mental health practices and brought back actionable ideas to strengthen counselling initiatives and foster a healthier, more supportive campus environment at the Institute.



Ingenium 3.0: The flagship annual techno-cultural festival of IIT Indore, was successfully held from March 13–15, 2026. Centered around the theme "Chronoverse – Past. Present. Future.", the festival seamlessly blended cultural vibrancy with technological exploration. The celebrations commenced on Day 0 with a serene SPIC MACAY sarod performance by Pandit Partho Sarothy, setting a soulful tone for the days ahead. This was followed by Kavyanjali, an evocative poetic gathering featuring eight distinguished poets, celebrating the power of words and expression.



Over the next two days, Ingenium 3.0 hosted an engaging lineup of 26 technical and cultural competitions, attracting enthusiastic participation from across the country. A major highlight was the Technical Exposition, which featured interactive showcases such as Drone Soccer, offering participants an exciting hands-on experience of innovation and emerging technologies. Another standout component of the festival was the Defense Exposition, organized in collaboration with MCTE Mhow, which provided valuable insights into modern military technologies while opening discussions on emerging career pathways.

Intellectual engagement took center stage during the "Words of Wisdom" sessions, featuring inspiring talks by Dr. Chetan Singh Solanki and Acharya Prashant, who shared thought-provoking perspectives on sustainability, purpose, and life. On March 14, the fusion of technology and art came alive through a captivating fire and flow art performance by Yacobeh. The evening further energized the audience with a visually stunning showcase by the Illuminati Dance Crew, featuring a dynamic laser display and their signature Tron Act, seamlessly blending futuristic visuals with high-energy choreography. Adding humor to the festivities, Aashish Solanki delivered an engaging live stand-up performance that resonated strongly with the audience.



The festival concluded on a spectacular note with a synchronized 250-drone light show that illuminated the night sky through mesmerizing formations, beautifully capturing the essence of the Chronoverse theme and reflecting the dynamic spirit of the Institute.



Other Highlights

Hostel Days Celebrations: Hostel Days Celebrations: This year's Hostel Days introduced a championship mode that energized the whole campus, with inter-hostel teams earning points across a packed lineup of events. Hostels showcased vibrant talent in battle of bands, solo singing, poetry, painting, and more, while individual participants and collaborative teams from different hostels added variety and camaraderie. Competitive sports such as tug-of-war, arm-wrestling, and push-ups brought high energy and friendly rivalry, and the points-based format kept excitement alive throughout the event, resulting in a spirited, creative, and closely contested celebration.

Foundation Day Celebrations: The 17th Foundation Day was marked by the presence of Dr. Sharad Kumar Saraf, Chairperson, BoG, IIT Jammu and Shri Saket Chaturvedi, Chief Executive Officer (MiG Complex), Hindustan Aeronautics Limited, Nashik.

Cultural Excellence – Inter IIT Showings

Fashion Club "DRAPES" (3rd Place): A remarkable debut achievement by Rahul, Dharvi, Nimai, Ubaid, Lekh Raj, Akshit, Abhishek, Adarsh, Keertan, Lisa, Shreya, Govind, Anshika, Harshitha, Abhimanyu, Tanya, Suhani, Dhruv, and Akansha, securing the 3rd overall position at the Inter IIT Cultural Meet 2025 held at IIT Kanpur.

Visualiser La Realité (3rd Place): An outstanding showcase of digital art and Animation skill by Praneet, Manan, Hemant, Shreya Lahane, Mayank Bisariya, Rohan, Parth, Nidhi Marskole,Visharad, Ayush, Arnav and Tanmay.

Street Photography (5th Place): Exceptional visual storytelling and creative captures by Kavya Patel, Umang Dosi, Rishi Rathore, Atulya Kumar, Tirth Gohil, and Harsh Pathak.

Online Filmmaking (6th Place): A compelling filmmaking entry created by Viswajith, Priyash, Sarth, Mittal, Suhani, Devanshi Kawlani, Ashmita, Sanchit Goyal, Sanchit Bharti, Sakshi, Raima, Manav, Yash Tiwari, and Hetal Saraf, Lavanya, Anshul Vijaywargiya.

Street Play (7th Place): A powerful and socially impactful performance delivered by Mapansh Phogat, Jay Dhurve, Apoorv, Parl, Kanak, Vaidehi, Arnav Deshpande, Nainsi, Daksh, Sohil Dangi, Surya, Vansh, Pritish, Shivkesh, Bhupesh, Fiya, Rishika, Kalia, Rudraneel, Varun, Pranav, Mandar, Toshal, Aman, Mohit, Aryan, Sarthak, Henil, and Kannika.

Welfare Activities: Demonstrating vibrant community spirit and social responsibility, the Section has championed a series of impactful welfare activities throughout the year:

Blood Donation Drive: On the 17th Foundation Day, Blood Donation camp was set up where 432 selfless donors contributed to this lifesaving cause.

Cloth Donation Campaign: The Avana Club organized a campus wide cloth and stationery donation drive in 2 phases one from April 10-25 and from May 10-13, 2026, spreading warmth and support to those in need. This major initiative brought together the entire campus community, with contributions thoughtfully distributed to underprivileged groups. By combining compassion with action, the drive exemplified empathy in motion and highlighted the power of collective kindness.

Diwali Outreach: Students celebrated the festive spirit by sharing sweets and bottled treats with transport staff, spreading gratitude, inclusion, and joy across campus.

School Engagement Initiative: The Avana team has been making a meaningful impact on education by conducting interactive academic sessions for students from Grades 4 to 12 at Simrol Higher Secondary School and Kanyashala. Their dedication goes beyond these institutions, as they also carry out regular visits to the Government School in Gajinda, which has been adopted by the Institute.

Cleaning Drive: AVANA spearheaded a cleanliness drive at Bheru Ghat on 11th January 2026, underscoring its dedication to environmental sustainability and community welfare. The initiative was carried out in collaboration with students from MIT Pune's "Go Green" group, fostering youth participation in ecological preservation.













Career Advancement & Mentoring Centre, IIT Indore



The Training & Placement Cell (TPC) of IIT Indore has now formally evolved as Career Advancement & Mentoring Centre in 2026. CAMC is committed to fostering outstanding career opportunities for its students by building strong relationships with leading multinational corporations, research institutions, and public sector undertakings (PSUs). Acting as the central coordination body for campus placements, the Centre ensures a smooth and efficient recruitment process for both recruiters and students.

With a dedicated team comprising faculty, staff, and an enthusiastic student taskforce, the CAMC actively engages with reputed Indian and international organizations to secure full-time placements and internships. This collaborative ecosystem enables the seamless execution of placement-related activities throughout the year.

Placement Session Overview

The placement session for the academic year 2025–26 was conducted in a hybrid format, beginning in October 2025 and will be concluding in June 2026 for full-time recruitment. The internship season started earlier, in August 2025, and continued till December 2025.

Key Highlights

- The placement outcomes for the graduating batch reached a new milestone during the 2025–26 placement season. The B.Tech placement percentage crossed 93%, while the placement process for Master's students remained actively underway at the time of reporting.
- A significant achievement during the year was that, for the first time in the institute's history, 11 students secured international offers with compensation packages exceeding ₹ 1 Crore per annum. The Campus Recruitment Program 2025–26 witnessed participation from more than 150 leading multinational corporations, Public Sector Undertakings, and research organizations across sectors, including Software, Consulting, Banking & Finance, Automotive, Semiconductors, Core Engineering, Energy, and Oil & Gas.
- The internship season also recorded strong outcomes, with more than 175 students from the 2027 graduating batch securing paid summer internships with reputed organizations. These achievements reflect the growing industry confidence in the students' quality, talent, and professional preparedness.

Student Placement Preparation

The CAMC plays a vital role in preparing students for placements and internships by conducting a comprehensive suite of career development initiatives and industry engagement programs. Through workshops, competitions, and knowledge-sharing platforms, students are equipped with skills that align with evolving industry expectations.

Key initiatives during the year included:

1. Students' Preparedness & Hackathons : Multiple mock technical assessments (by renowned partners like – GeeksforGeeks, blackbucks etc) and mock interviews were conducted to help students prepare better. The assessments were designed keeping in mind our prominent recruiters and previous experience. The CAMC in association with the Alumni Cell launched SAATHI – our Alumni Mentorship Program. This initiative was designed to help current students excel in their placement journey by learning directly from the experience and insights of our esteemed alumni. Additionally, the CAMC promoted and encouraged our students to participate in National & International Hackathons like L'Oréal Brandstorm 2026 , Samsung InnovateX AX Hackathon 2026, etc. For the first time, CAMC hosted 2 big National Hackathons on campus this year "V connect Hackathon, Hero Challenge" and "Bharat Bricks Hacks 2026-powered by Databricks" which provided global experience & opportunities to our students.
2. Skill Enhancement & Resume Building Workshops: "Level Up: Placement Prep Workshop - Resume & Interview Guidance" A focused workshop on resume building and interview preparation was organized for final-year students. The sessions on "Crafting a Standout CV "and "Impactful Interviews" attracted 150+ participants, offering them actionable insights from professionals. Refine & Rise session: A Step Towards Building a Better Version of Yourself- session as conducted to mentor the talents on achieving the goals and developing attitude towards being more professional.
3. "Placement Experience Handbook" and "Internship Experience Handbook" — The 3rd edition of Placement Handbook was officially unveiled on CAMC Day by the Director and our Recruiters. The tailored resource is circulated to students, providing peer-led guidance, preparation strategies, and success stories to aid their placement journeys.
4. Recruiter Thankyou Meet – CAMC Day 2026 marks the formal transition of the erstwhile Training & Placement Cell into CAMC, aims to strengthen engagement among students, alumni, and recruiters. Our key recruiters were thanked & appreciated for their invaluable contributions for the successful placement season . The event was more special as CAMC unveiled the logo of the centre and felicitated the student team for their effortless contributions during Placement Talks and other student engagement activities.
5. OpportuNEX-The flagship HR Event of IIT Indore: In continuation to the series of OpoortuNEX, this year we conducted a couple of sessions with associated and targeted recruiters. It included panel discussions, expert talks, where eminent talent acquisition leaders shared industry insights with students.
6. Placement Automation Software: A new software platform was introduced to streamline the placement process, providing a user-friendly interface and real-time communication channels for both students and recruiters.
7. One-On-One HR Mentorship : As part of a special initiative, students winning an internal trivia competition were given exclusive access to personalized career guidance from leading HR professionals.
8. Placement Talk Series – Placement Talk 3.0: Following the success of the previous year, the CAMC conducted a new series of talks by recently placed students. These sessions, covering diverse domains such as Software, Core Engineering, Consulting, and Analytics, offered detailed preparation strategies and personal experiences to current batches.
9. Sensitizing the officials: The officials and the team dealing with students are being sensitized by conducting small meetings on how to counsel/mentor the anxieties and queries of students. The officials also attended on training on "Sensitization Session-capacity Building on Specific Learning Disabilities"

Glimpse of above events & activities conducted by CAMC:











Key Recruiters at IIT Indore

IIT Indore has experienced remarkable growth in both the number of companies visiting the campus and the compensation being offered to students. The initial part of the recruitment season was dominated by companies offering roles in Software Development, Research & Development, AI/ML, and Data Science/ Analytics. Many of these firms are global leaders in their respective fields.

The world's top consulting firms, banks, and software companies participated in the placements, reflecting IIT Indore's success in attracting some of the best recruiters to hire from its talented pool of students.

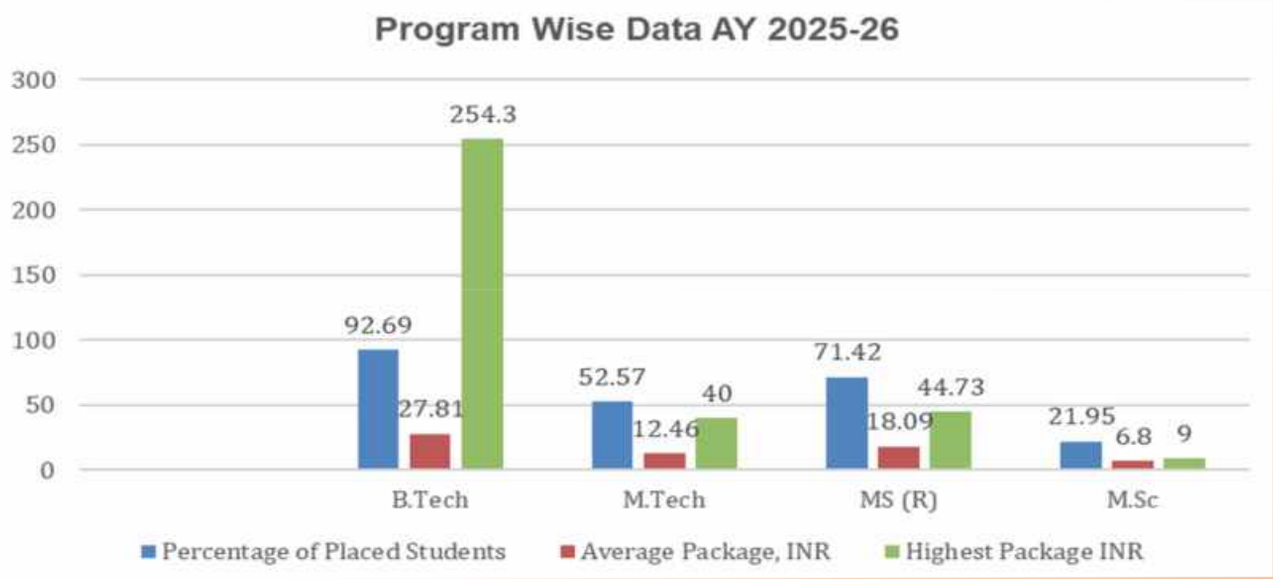
Additionally, there was a significant increase in the participation of Public Sector Undertakings (PSUs) in campus recruitment. Leading PSUs such as HPCL, BPCL, EIL, BEL, and C-DOT offered full-time positions to our students.

Leading companies that extended full-time placements and internship opportunities included Google, DE Shaw, Quadeye, Blackrock, Data Bricks, BNY Mellon, Deloitte, TCS, Qualcomm, Adobe, Mahindra & Mahindra, Eternal Limited (Zomato), QureAI, L&T, Volvo Eicher Commercial Vehicles Pvt. Ltd., Paytm, Futures First, Goldman Sachs, Sigmoid Analytics, ARAI, Texas Instruments, Nvidia, Dassault Systemes, Versa Networks, Analog Devices, and HCL Tech, among others.

Program- Wise Placement Statistics in Chart and Matrix (AY 2025-26)

Program	Batch Size	Registered Students	Total Placed	Percentage of Placed Students	Average Package, INR (in LPA)	Highest Package INR (in LPA)
B.Tech	358	301	279	92.69%	27.81	254.3
M.Tech	125	97	51	52.57%	12.46	40
MS (R)	29	21	15	71.42%	18.09	44.73
M.Sc	104	41	9	21.95%	6.8	9

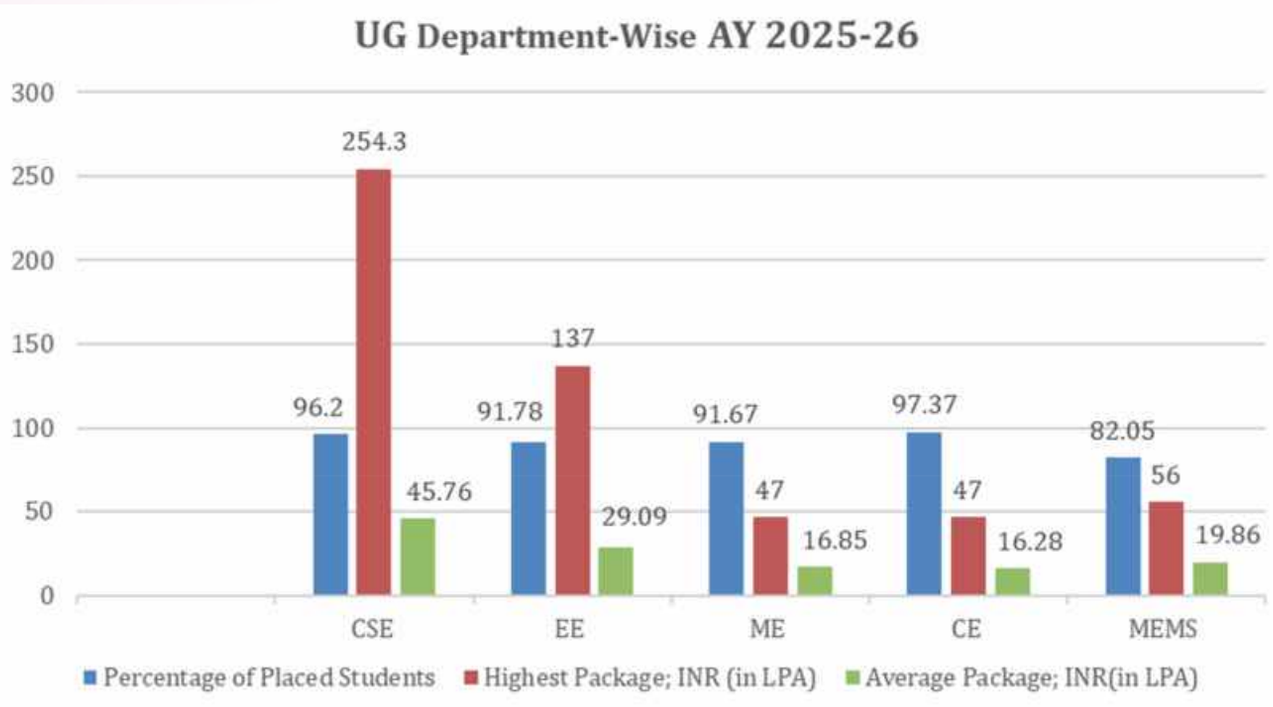
Graph



Department-wise B.Tech Placements Statistics in Graphs and Matrix (AY 2025-26)

Dept Wise (B.Tech)	Registered Students	Total Placed	Percentage of Placed Students	Highest Package; INR (in LPA)	Average Package; INR(in LPA)
CSE	79	76	96.20	254.3	45.76
EE	73	67	91.78	137	29.09
ME	72	66	91.67	47	16.85
CE	38	37	97.37	47	16.28
MEMS	39	32	82.05	56	19.86

Graph



Internship Report

Industrial exposure is essential for students aspiring to enter the corporate world. Students are encouraged to undertake internships during the summer following their 6th semester to gain real-world experience and apply classroom concepts in a professional setting.

Key Internship Highlights:

- 170+ pre-final year students secured internships at leading organizations across India and abroad.
- The highest stipend offered reached an impressive INR 7.5 lakhs per month.
- Over 50 Pre-Placement Offers (PPOs) were extended to the graduating batch, a testament to the high quality of student performance during internships.

Department	No. of Internship Offers	PPO Conversion (2026 Batch)
B.Tech	172	50+

Conclusion

The 2025–26 placement season at IIT Indore was executed successfully, despite a sluggish global job market. The institute witnessed:

- An increase in company participation and job offers.
- Expanded recruiter diversity across sectors like Automotive, Finance, Consulting, Core Engineering, IT, R&D, and PSUs.
- Strong focus on student upskilling, including resume building, mock interviews, and career mentorship.

In addition to placements:

- Around 10–15% of graduates pursue higher studies at globally ranked universities, IIMs, and IITs.
- A few graduates venture into entrepreneurship by launching their own start-ups.

The CAMC remains committed to empowering students through skill enhancement, strategic industry partnerships, and continuous career development initiatives—reinforcing IIT Indore's position as a premier destination for talent and innovation.

Hostel

Hostel Infrastructure at IIT Indore

The Indian Institute of Technology Indore has developed a robust and inclusive hostel infrastructure to foster a vibrant and collaborative campus life. The A.P.J. Abdul Kalam Hostel, inaugurated in 2016, marked the beginning of hostel life at the Institute's permanent campus. It was followed by the inauguration of the Homi Jehangir Bhabha (HJB) Hostel in 2019, and the Devi Ahilya (DA), Vikram Sarabhai (VSB), and C.V. Raman (CVR) Hostels in 2020.

Each hostel comprises 99 residential units, accommodating a total of 574-600 students.

Designed to encourage both academic engagement and social interaction, each unit contains six shared bedrooms, a fully furnished living area, a common kitchen, two toilets, and two washrooms. To promote national integration and interdisciplinary collaboration, students from diverse states, linguistic backgrounds, and academic disciplines are thoughtfully grouped within each unit.

Last year we received new family member, PM Ajay hostel with 248 occupants and 6 Divyang room.

In line with the Institute's commitment to sustainability, all hostels are equipped with solar water heating systems. Additionally, the A.P.J. Abdul Kalam Hostel offers centrally air-conditioned facilities, enhancing student comfort throughout the year.

Expansion of Hostel Infrastructure

To accommodate the growing academic community and enhance residential facilities, three new hostels featuring world-class amenities are currently under development at IIT Indore. These hostels are designed to meet international standards of student housing, with a focus on sustainability, comfort, and community living.

Once operational in the coming years, the new hostels will significantly augment the Institute's capacity to provide high-quality accommodation, supporting its continued growth and commitment to excellence in education and research.

Administration

The hostel administration is overseen by Dr. Saptarshi Ghosh, Chief Warden, and supported by Ms. Pooja Duatta, AR HCU; Ms. Chandrani Mitra Sarkar, Junior Assistant; and Mr. Raj Nagar, Junior Assistant. Each hostel operates under the guidance of a dedicated Warden, who is assisted by a Supervisor and an Attendant to ensure seamless day-to-day management.

Hostel No.	Hostel Name	Hostel Type (Girls/Boys)	Warden/Warden In-charge	Associate Warden
01	APJ (Avul Pakir Jainulabdeen Abdul Kalam)	Boys	Dr. Sivaraj Mohana Sundaram	–
02	CVR (Chandrasekhara Venkata Raman)	Boys	Dr. Akshay Pratap Singh	–
03	HJB (Homi Jehangir Bhabha)	Boys	Dr. Ayan Mondal	–
04	DA (Devi Ahilya) its Extension (DA-E)	Girls	Dr. Aratrika Das	–
05	VSB (Vikram Sarabhai)	Boys	Dr. Sansuma Brahma	–
06	PM Ajay	Boys	Dr. Subhadeep Paladhi	–

Guest Accommodation Facilities

IIT Indore provides well-furnished guest room facilities within its hostel premises to ensure a pleasant and convenient stay for visiting students, guests, and dignitaries. The guest house can accommodate up to 500 guests at a time across different hostels. Two types of guest rooms are currently available: Student guest room in sharing basis with basic amenities, and TEQIP guest room in single room basis with enhanced amenities.

Each guest room is equipped with the following amenities:

- Mattress and Blanket
- Bed sheet and Pillow
- Towels
- Cloth Stand

In addition, each TEQIP guest room is equipped with modern amenities, including:

- Smart LED TV
- Sofa Set
- Center Table
- Microwave
- Electric Kettle

These provisions are curated to offer comfort, functionality, and a welcoming atmosphere to all guests visiting the Institute.

Hostel Photos



Hostel No. 01 – A.P.J. Abdul Kalam



Hostel No. 02 – C. V. Raman



Hostel No. 03 – Homi J. Bhabha



Hostel No. 04 -Devi Ahilya



Hostel No. 5 - Vikram Sarabhai



Hostel No.06 – PM Ajay

Basic Facilities in Hostel


Basic Room


Common Hall


Washroom


Kitchen with RO Water Tap


Wi-Fi


RO Water Dispenser

Sports Facilities in Hostels

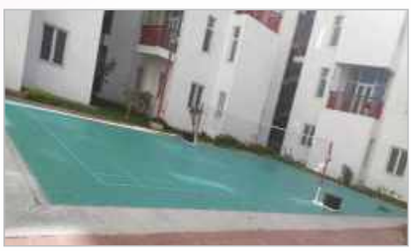

Badminton Court


Table Tennis



Soccer Table

Other Facilities in Hostels


News Paper Stand


Magazine Stand


Fitness Equipment


Large Screen TV


Vending Machine



Digital Display Board

Central Dining Facility

Central Dining Facility: Fostering Community through Shared Meals

The Institute's Central Dining Facility, popularly known as the Carbon Building, is a testament to the inclusive and community-centric ethos embraced by our campus. With the capacity to serve approximately 2,800 individuals simultaneously, the facility encourages students from various hostels to dine together, nurturing unity and camaraderie.

The dining complex houses three caterers—Surinder Arora, Sheela, and Food Sutra—and offers dedicated sections for students, institute staff, and guests. The facility is thoughtfully designed with multiple kitchens, accessible washrooms, and elevator services, ensuring a comfortable and inclusive experience for all. Plans are in place to modernize the kitchens as part of the upcoming infrastructure development.

An Executive Dining Hall provides premium dining services and hospitality for invited dignitaries and VIP guests. Healthy, balanced meals are served daily, with the student body playing an active role in menu selection through weekly meetings. Oversight and quality control are ensured by a vigilant Dining Committee, supported by the student community.

Transparency and convenience are cornerstones of the dining experience. A comprehensive Dining Website offers access to allocation forms, rebate forms (long and short), grievance and discrepancy forms, billing information, caterer details, menus, and contact information—all supplemented by a QR code-enabled access system.

The Carbon Building remains compliant with all COVID-appropriate norms and hosts several kiosks that provide round-the-clock refreshments and services, contributing to the vibrancy of campus life.

The dining facility is overseen by a dedicated team comprising administrative staff, including Junior Assistant Mrs. Taruna Tomar and Mr. Prashant Pahare, attendants, and student volunteers. The overall administration is managed by the Dining Committee, chaired by Dining Warden Dr. Kalandi C. Pradhan.



Dining Hall Building







Cleaning in Dining Hall



Dr. Kalandi C. Pradhan
Dining Warden



Mr. Prashant Pahare
Junior Assistant



Mrs. Taruna Tomar
Junior Assistant



Mr. Javaharlal Motilal
Attendant



Mr. Anil Bhabar
Attendant

Dining Secretary Hall of Residences

S.N.	Hostel	Name	Email Id
1	APJ	Mr. Kari Sayi Babu	diningsecy.apj@iiti.ac.in
2	CVR	Mr. Atul Yadav	diningsecy.cvrj@iiti.ac.in
3	HJB	Mr. Yogendra Bihare	gs.dining@iiti.ac.in/ diningsecy.hjb@iiti.ac.in
4	VSB	Mr. Chintala Sashidhar	diningsecy.vsb@iiti.ac.in
5	DA	Ms. Pranali Rao	diningsecy.da@iiti.ac.in
6	PM Ajay	Mr. Abhijeet Rawat	diningsecy.pmajay@iiti.ac.in

Counselling Cell Team

The Counselling Cell at IIT Indore, a vital constituent of the Student Affairs Section, has been actively supporting student well-being and personal development since its inception in December 2011. Now functioning under the broader umbrella of the Life Skills Initiative and Value Education (LIVE), the Cell has taken a significant step forward in aligning its efforts with holistic student development. It remains committed to fostering a supportive, confidential, and inclusive environment where students can openly discuss academic stress, emotional concerns, and personal challenges.

With a vision to improve emotional resilience and promote holistic growth, the services of the Counselling Cell are accessible to all students across programs—Undergraduate, Postgraduate, and Ph.D. students. The LIVE initiative particularly emphasizes early identification, prevention, and timely support for psychological concerns.

Through structured counselling services, preventive outreach, and value-based life skills education, the Cell aims to empower students to thrive both personally and academically. This is contributing to a positive and emotionally healthy campus culture at IIT Indore. Counselling Cell Team.



Prof. Amod Umarikar
Dean, Student Affairs



Prof. Antony Vijesh
Profe. in charge, LIVE



Dr. Abhijit Joshi
Associate Dean
Student Affairs, I



Dr. Jayaprakash Murugesan
Associate Dean
Student Affairs, II



Ms. Shubhra Vyas
Counselor



Dr. Shilpa Raut
Chief Medical Officer



Ms. Simran Tyagi
Wellness Therapist



Ms. Vrunda Bhikadiya
Wellness Therapist

Campus Well-being and Support Framework

Wellbeing Volunteers - Floor vise in-charge

To strengthen peer support and promote mental well-being across the student community, a team of 37 floor-wise Well-being Volunteers has been constituted across the hostels. These volunteers act as approachable peer contacts and help students connect with the counsellor whenever emotional, psychological, or personal support is needed. The initiative aims to promote early help-seeking, enhance accessibility to mental health support, and foster a supportive environment for student well-being.

Mentor–Mentee Support System

To facilitate smoother academic and personal adjustment of first-year students into campus life, a Mentor–Mentee Support System has been established. Under this initiative, senior students from the 2nd, 3rd, and 4th years are assigned as mentors to guide and support first-year students in academic, social, and personal matters. The program aims to encourage peer learning, foster a sense of belonging, and provide approachable support for students during their transition into the institute environment.

Faculty Advisor System

To provide continuous academic guidance and overall student support, each student is assigned to a Faculty Advisor. Faculty Advisors meet students periodically to discuss academic progress, campus adjustment, personal concerns, and overall well-being. To strengthen this support system, a counsellor is also assigned to each department to coordinate with Faculty Advisors and provide mental health support whenever required. Faculty Advisors may connect students with the counsellor for additional professional support and timely intervention based on student needs.

Some of the events organized by the Counselling Cell during 2025-26 are as follows:

Genesis for UG Students

As part of the Genesis initiative, the Counselling Cell conducted structured orientation sessions for first-year undergraduate students.These sessions gave a brief on mental health, counselling services on the campus. Emphasis was laid on emotional adjustment, academic transition, and value-based decision-making, understanding identity and navigating relationships. Through guided reflections, group discussions, and motivational talks, students were encouraged to build resilience, seek help when needed, and actively participate in the campus community from the very beginning of their IIT Indore journey.

Orientation for PG and PhD Students

The Counselling Cell also conducted orientation sessions for newly admitted PG and PhD students to familiarize them with mental health support and counselling services on campus. The sessions addressed challenges related to academic pressure, research stress, work-life balance, interpersonal relationships, and adapting to a new academic environment. Students were encouraged to prioritize their well-being, develop healthy coping strategies, and seek support whenever required during their academic journey at IIT Indore.

Student Mentorship Program

The Student Mentorship Program connected incoming students with trained senior peers from UG and PG programs. The mentors offered guidance on academic planning, stress management, and campus life. Regular check-ins, informal interactions, and collaborative problem-solving helped foster trust and emotional support, enhancing the sense of belonging and reducing transition stress.

Faculty Advisor Meeting

Faculty advisors across departments conducted structured meetings with students in two phases—August and October-November. These meetings addressed academic difficulties, personal stressors, and engagement gaps. Counsellors supported the process by identifying students and providing parallel interventions wherever necessary.








Interaction With First Year Students

To support students during the exam period, the Cell organized an interactive stress management session that included mindfulness practices, grounding exercises, and academic planning strategies. Director Prof. Suhas Joshi has interacted with the first-year students, engaged them in a meaningful conversation about campus facilities, the challenges they face within the institute, and their transition from home to the campus environment. The interaction provided students with an opportunity to express their concerns and share their experiences, while also helping the administration better understand their needs and areas where support can be strengthened.

Capacity Building Program on Specific Learning Disabilities (SLDs) in Higher Education Institutions (HEIs) (September & October 2025)

Representatives from the Counselling Cell participated in the Capacity Building Program on Specific Learning Disabilities (SLDs) in Higher Education Institutions (HEIs), conducted under the aegis of the Ministry of Education, Government of India, in two phases, with the online component held in September 2025 and the offline component in October 2025. The programme aimed to strengthen institutional capacity for inclusive education by enhancing awareness and understanding of Specific Learning Disabilities through expert-led sessions, sensitisation activities, and interactive discussions. The initiative contributed towards developing supportive and inclusive academic environments that promote accessibility, student well-being, and equitable learning opportunities within higher education settings.

Serenity Carnival-Observing Mental Health Day (11th October 2025)

In observance of World Mental Health Day, the Counselling Cell organized "Serenity – A Mental Health Carnival," a student-led initiative designed by the students and for the students to promote mental well-being and encourage creativity and engagement. The carnival provided students with an opportunity to unwind and participate in activities beyond academics. The event featured student-managed food and game stalls, where students actively prepared, organized, and managed various activities. Cultural performances, including band and dance performances, added vibrancy to the celebration. Interactive activities such as Mood Boards, Thought Boards, mental health awareness initiatives, and a DJ Night created a lively and engaging environment for students. Overall, Serenity served as a platform for promoting emotional well-being, creativity, and student interaction in an inclusive environment.





Mental Health First Aid Training

A Mental Health First Aid program was conducted on November 7th and 8th, 2024, led by Dr. Teena Augustine Joseph, founder of Being Balanced Consultancy. The training was offered for both faculty members and student volunteers through engaging sessions, interactive activities, and role plays. It aimed to equip participants with essential skills to identify and support students facing mental health challenges. Emphasizing early intervention and compassionate response, the program enhanced the community's capacity to provide timely assistance and promote overall well-being within the Institute.

National Wellbeing Conclave- IIT Bombay (22-23rd November 2025)

Two representatives from the student community and faculty members from were nominated to participate in the 2nd National Wellbeing Conclave held at Indian Institute of Technology Bombay. Organized by the Department of Higher Education, Ministry of Education, Government of India, the conclave served as a national platform for promoting mental health, resilience, and well-being within higher education institutions. The programme facilitated discussions on strengthening student support systems, mental health governance, and institutional well-being frameworks in alignment with the objectives of the National Education Policy (NEP) 2020. Activities during the conclave included interactive sessions, exchange of ideas and best practices among institutions, deliberations on student mental health initiatives and policy implementation, the release of a compendium of best practices in student well-being, and an exhibition showcasing innovative initiatives undertaken by higher educational institutions. Participation in the conclave provided an opportunity to engage with emerging approaches and collaborative efforts aimed at fostering a supportive and inclusive educational environment.

PAN India Wellbeing Summit The Pan-IIT Well-Being Summit held at IIT Guwahati from 9 to 11 January 2026 was an important national-level event focused on student mental health and campus wellbeing. It brought together representatives from different IITs to discuss shared concerns and practical solutions for improving support systems in higher education. The summit highlighted the need for stronger counselling services, peer support, faculty sensitization, and timely mental health intervention for students facing academic and personal stress. From IIT Indore, the representatives were Dean of Student Affairs Amod C. Umarikar, Prof. Srivathsan Vasudevan, wellness therapist Ms. Simran, counsellor Aashka, and students Atharvakant Chandorikar and Nawed Ashraf. Their participation reflected IIT Indore's active involvement in promoting student welfare and mental health awareness. The summit encouraged collaboration among premier technical institutions to address mental health more systematically and build healthier campus environments.

Sahyog 2.0 Inter IIT Wellness Meet- IIT Roorkee (11-12th February 2026)

Representatives from the Counselling Cell participated in SAHYOG 2.0, an inter-IIT dialogue on Mental Health Policy Development organized at the Indian Institute of Technology Roorkee. The programme served as a collaborative platform for discussions on strengthening institutional frameworks for mental health and well-being across the IIT community, in alignment with emerging national recommendations on mental health governance in higher educational institutions. The deliberations focused on institutional approaches to mental health policy formulation, preventive and responsive care mechanisms, crisis management strategies, and the role of wellness centres, counselling cells, and student welfare systems in policy implementation. Participation in the dialogue facilitated the exchange of best practices and contributed towards strengthening inclusive, comprehensive, and student-centric mental health initiatives within the IITs.

Self Care at Workplace- Training Session for Administrative Staff (20th June 2025)

A training session on "Self-Care at Workplace: Recognizing Burnout & Strategies to Thrive" was conducted by the Counselling Cell for the administrative staff with the objective of promoting workplace well-being and fostering awareness regarding stress management. The session focused on understanding the concept of self-care, identifying signs and causes of burnout, and adopting practical strategies to enhance resilience and maintain a healthy work–life balance. Interactive discussions and self-reflection activities encouraged participants to recognize personal well-being needs and develop effective approaches for sustaining emotional, mental, and professional wellness in the workplace. The programme also aimed to support administrative staff in effectively managing workplace demands, reducing stress-related challenges, improving productivity, and enhancing overall job satisfaction and well-being.

Ek Bharat Shreshtha Bharat (EBSB)

The Ek Bharat Shreshtha Bharat (EBSB) team of IIT Indore actively conducts various activities under the leadership of its Convener, Dr. Niraj Kumar Shukla (Professor, Department of Mathematics), to promote flagship initiatives of the Government of India, including Ek Bharat Shreshtha Bharat (EBSB), Rashtriya Avishkar Abhiyan (RAA), Unnat Bharat Abhiyan (UBA), Swachh Bharat Abhiyan (SBA), and RuTAG.

The Ek Bharat Shreshtha Bharat program, an initiative aimed at fostering continuous and meaningful cultural connections among people from different regions of India, was launched by the Hon'ble Prime Minister Shri Narendra Modi on 31 October 2015 during the celebration of Rashtriya Ekta Diwas, commemorating the birth anniversary of Sardar Vallabhbhai Patel. The program seeks to celebrate India's rich cultural diversity through sustained interaction and exchange between people of different States and Union Territories, thereby strengthening national integration and mutual understanding.

As part of the 14th Convocation of IIT Indore, the EBSB team played an active role in promoting the spirit of unity in diversity. The event witnessed the participation of students, faculty members, alumni, distinguished guests, and dignitaries from various parts of the country. Through cultural interactions and collaborative engagements, the convocation reflected the core objectives of EBSB by encouraging mutual appreciation of India's diverse traditions, languages, and cultural heritage.

The program reinforced the message of national unity and highlighted IIT Indore's commitment to supporting initiatives that strengthen cultural harmony, social cohesion, and the vision of "Ek Bharat, Shreshtha Bharat."

EBSB Team IIT Indore

1	Dr. Niraj Kumar Shukla	Convener	ebsb@iiti.ac.in
2	Dr. Mrigendra Dubey	Member	mdubey@iiti.ac.in
3	Dr. Ashisha Kumar	Member	akumar@iiti.ac.in
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6	Cdr. Sunil Kumar (Retd).	Member Secretary	drsa@iiti.ac.in
7	Mr. Lalit Jain	Member	lalit@iiti.ac.in
8	Mr. Santosh K. Sharma	Member	santosh@iiti.ac.in

Activities under Ek Bharat Shreshtha Bharat (EBSB)



Around 200 KV students visited IIT Indore under the EBSB program.



IIT Indore and Government School Simrol jointly organized the Basant Panchami 2026 celebration under the Ek Bharat Shreshtha Bharat





Invitation for Republic Day 2026 under the EBSB at Nehru Stadium, Indore.



IIT Indore and Indore Smart City CEO Arth Jain (IAS) worked jointly for the development and activities of Indore city under collaborative initiatives.



Indian Institute of Technology Indore and Indore MD Shri Chandra Moli Shukla (IAS) MPIDC worked jointly for the development and activities of Indore city under collaborative initiatives.

Events by EBSB Club - IIT Indore

IIT× IIM -Humanit -I



The EBSB Club, IIT Indore, organized a collaborative discussion session with Hummanit-i, IIM Indore, on 8 November 2025 in the PoD building . Around the EBSB Club, IIT Indore, 25–30 students from IIM Indore visited the campus to discuss their ongoing initiatives aimed at empowering underprivileged students through digital education and awareness.

Exposure Visit to Talainaka Ward and School



Members of the EBSB Club, IIT Indore, conducted an exposure visit to Talainaka, a nearby village, to understand the condition of the local ward and school. During the visit, students were guided on their dreams and how to achieve them, study habits were discussed, and creative games were organized to promote learning and engagement.

The visit brought to light a major challenge faced by the school —its old building had collapsed, leaving it with only 2–3 rooms and forcing students to attend classes in two separate sessions. putting the school in a very difficult situation.

Vividha – Bathukamma Celebration





It was a colourful, joyous celebration of culture and tradition from Telangana and Andhra Pradesh, bringing people together. We brought flowers from outside, and by arranging these flowers, mainly marigold, into layered stacks, it turned into a beautiful bathukamma. Many people actively participated and enjoyed making bathukamma.

Public Relations & Liaisioning Office

The Public Relations & Liaisioning Office (PRLO) plays a vital role in strengthening the public image and outreach of Indian Institute of Technology Indore by promoting the Institute's achievements, academic excellence, research advancements, student activities, and institutional initiatives across various platforms. The Office serves as the primary communication link between the Institute and external stakeholders, including media organizations, government agencies, industry, alumni, and the public. It also coordinates media interactions, press releases, branding initiatives, social media outreach, event publicity, and dissemination of important Institute information. the Institute's visibility and reputation at regional and national levels.

The Institute has also significantly expanded its digital outreach through official social media platforms, including X (Twitter) – @IITIOfficial with nearly 29K followers, Instagram – @iitindoreofficial with around 13K followers, LinkedIn which was launched recently and has already reached nearly 4K followers, and Facebook with around 5.5K followers.

During 2025–26, the Institute also established an Event Cell integrated with the PR Office to streamline the planning and coordination of Institute events such as Convocation, Foundation Day, conferences, outreach programmes, and national-level visits and to develop a centralized repository of major institutional activities, records, and event-related documentation.

Major Activities and Achievements (2025–26)

- Facilitated wide media coverage of important academic, research, and institutional achievements of the Institute.
- Strengthened the Institute's digital outreach through regular updates on social media and online communication platforms.
- Coordinated publicity and media management for major Institute events, including academic conferences, outreach programmes, and official visits.
- Issued press releases, newsletters, and public communications to enhance stakeholder engagement and public awareness.
- Supported branding and promotional initiatives showcasing the Institute's achievements and national rankings.
- Ensured timely dissemination of important announcements and information to media and external agencies.
- Established the Event Cell for coordinated management of Institute events and centralized archival of event records.
- Contributed towards strengthening the Institute's visibility and public outreach at national and regional levels.

Institute Events & Activities

16th IEEE Icccnt 2025



The 16th IEEE International Conference on Computing, Communication and Networking Technologies (ICCCNT 2025) commenced at the Indian Institute of Technology Indore. The six-day hybrid conference was inaugurated by Prof. Suhas S. Joshi, Director, IIT Indore. Organized under the leadership of Prof. Surya Prakash and Prof. Prakash Duraisamy, the event has attracted participants from 99 countries and received over 10,000 paper submissions, making it Asia's largest STEM conference. The conference features keynote talks, technical sessions, panel discussions, and its first-ever industry exhibition, fostering collaboration among academia, industry, and research organizations worldwide.

13th Convocation 2025



IIT Indore hosted its 13th Convocation, conferring degrees on 809 students across undergraduate, postgraduate, and doctoral programmes. The ceremony was graced by Padma Bhushan Dr. Ajai Chowdhry, Co-founder of HCL, as Chief Guest, while Dr. K. Sivan, Chairperson, Board of Governors, presided over the event. Prof. Suhas S. Joshi, Director, IIT Indore, hosted the ceremony. Among the awardees, Mr. Kadam Madhav Mukund from the Department of Computer Science and Engineering received the President of India Gold Medal for securing the best academic performance among all graduating undergraduate students. Several other students were also honoured with institute medals and awards for excellence in academics, research, and overall performance.

IIT Indore Unveils Schools of Biosciences and Sustainability



IIT Indore and the Mehta Family Foundation (MFF) have announced the establishment of the Mehta Family School of Biosciences and Biomedical Engineering and the Mehta Family School of Sustainability. The initiative follows eighteen months of strategic planning and reflects a shared commitment to advancing education and research in healthcare, biotechnology, sustainability, climate studies, and energy systems. The Schools will operate from a dedicated state-of-the-art facility on the IIT Indore campus, featuring advanced laboratories and interdisciplinary research centres. The Schools will offer undergraduate, postgraduate, doctoral, and certificate programmes, fostering innovation and preparing future leaders to address global scientific and environmental challenges

UG Orientation Program 2025



IIT Indore successfully conducted its Orientation Program for newly admitted undergraduate students on July 25, 2025, welcoming around 502 students across various UG programmes, including 16 students in the newly introduced Bachelor of Design (B.Des) programme. Major General Gautam Mahajan, Sena Medal, Deputy Commandant and Chief Instructor, MCTE Mhow, graced the occasion as Chief Guest. Addressing the gathering, Prof. Suhas S. Joshi, Director, IIT Indore, congratulated the students and their parents and emphasized the Institute's commitment to holistic development. The orientation programme, commencing on July 26, 2025, introduced students to academics, research, innovation, placements, student affairs, cybersecurity, safety, hostels, healthcare, library services, and international outreach.

MoU Signing between IIT Indore & SFRI Jabalpur



The Indian Institute of Technology Indore and the State Forest Research Institute (SFRI) signed a Memorandum of Understanding to leverage Artificial Intelligence and advanced technologies for addressing human-wildlife conflict and supporting sustainable forest management. The collaboration will focus on developing innovative solutions for challenges arising from railway expansion and other infrastructure projects near wildlife habitats. The MoU was signed in the presence of Prof. Suhas S. Joshi, Director, IIT Indore, and Mr. Pradeep Vasudeva, Director, SFRI. The partnership aims to combine research excellence, technological innovation, and field-level implementation to strengthen wildlife conservation and forestry research in Madhya Pradesh.

IIT Indore Transfers Novel Drug Technology for Improved Leukemia Treatment



IIT Indore has achieved a significant breakthrough in cancer research by transferring a novel technology for the treatment of Acute Lymphoblastic Leukemia (ALL) to DK Biopharma. Developed by Prof. Avinash Sonawane and his team from the Department of Biosciences and Biomedical Engineering, the engineered L-asparaginase drug is designed to be safer, more effective, stable, and affordable than existing treatments. Laboratory studies have demonstrated its ability to destroy over 85% of leukemia cells while reducing severe side effects associated with current therapies. The technology transfer marks an important step toward making advanced and accessible leukemia treatment available to patients, particularly children and young adults.

Agri Connect Workshop



The two-day AgriConnect Workshop was inaugurated at IIT Indore on September 16, 2025, bringing together technology developers, agricultural stakeholders, researchers, FPOs, NGOs, and farmers on a common platform. Jointly organized by IIT Indore, ICAR-NSRI Indore, ICAR-CIAE Bhopal, and C-DAC Pune, with support from MeitY and the Department of Science & Technology, Madhya Pradesh, the workshop focuses on leveraging AI/ML, drones, Big Data, and precision agriculture to strengthen Indian agriculture. Shri K. K. Singh, Joint Secretary, MeitY, attended as Guest of Honor, while Prof. Suhas S. Joshi, Director, IIT Indore, emphasized the need to translate technological innovations into practical solutions for farmers. Prof. Aruna Tiwari, Principal Investigator of AgriHub, highlighted the workshop's focus on innovation showcases, expert talks, and collaborative discussions on digital agriculture, crop improvement, drone applications, and AI-based disease and pest diagnosis.

79th Independence Day



The 79th Independence Day was celebrated with great enthusiasm and patriotic spirit at IIT Indore on August 15, 2025. The celebrations commenced with the hoisting of the National Flag by Director, Prof. Suhas Joshi, followed by the National Anthem. Addressing the gathering, Prof. Joshi highlighted the importance of nation-building, innovation, and collective responsibility. Faculty members, staff, and students participated enthusiastically in the celebrations. A Cycle Rally was also organized to promote fitness, environmental sustainability, and unity. The event fostered a sense of pride, togetherness, and commitment towards contributing to the nation's progress and development.

Foundation Laying Ceremony of Capacity Expansion Infrastructure Projects at IIT Indore



IIT Indore marked a significant milestone with the Foundation Laying Ceremony of its Capacity Expansion Infrastructure Projects, virtually inaugurated by Narendra Modi. The □624.57 crore Phase III expansion project, funded through the Higher Education Financing Agency (HEFA), includes new academic buildings, residential facilities, an Industrial Research Park, a Department of Design, a Student Activity Centre, and other modern infrastructure. The ceremony was attended by Tulsi Silawat, who represented the State of Madhya Pradesh, along with faculty, students, and staff. Prof. Suhas S. Joshi, Director, IIT Indore, noted that the expansion will strengthen the institute's academic, research, and innovation ecosystem and further its vision of becoming a global leader in science and technology.

National Award to Teachers 2025



Dr. Debayan Sarkar, Associate Professor in the Department of Chemistry at IIT Indore, was honoured with the prestigious National Award to Teachers (NAT) 2025 in the Pure Sciences category by the Ministry of Education, Government of India. The award was conferred by the Honourable President of India on National Teachers' Day in recognition of his outstanding contributions to innovative, inclusive, and student-centric teaching practices. Dr. Sarkar's achievement highlighted his dedication to academic excellence and his efforts in inspiring students towards learning, research, and social responsibility. The honour further reinforced IIT Indore's commitment to excellence in higher education and teaching.

Swachhata Pakhwada 2025



As part of Swachhata Pakhwada 2025, IIT Indore organized a series of initiatives promoting cleanliness, health, and environmental sustainability. A community-driven "Shramdaan by IITI Community" was conducted at Simrol Police Station under Special Campaign 5.0, with active participation from students, faculty, and staff. The Institute also organized a Health Check-Up Camp for Safaimitrs, recognizing their vital contribution to campus hygiene and public health. Additionally, a Cleaning Drive at Meghdoot Sarovar and a Tree Plantation activity engaged Safaimitrs and community members, reinforcing IIT Indore's commitment to Swachhata, sustainability, community welfare, and civic responsibility.

Mehta Family School of Sustainability: Panel Discussion on Key Sustainability Challenges



The Mehta Family School of Sustainability at IIT Indore organized a panel discussion on key sustainability challenges related to water, climate, energy, and environmental economics, examining these issues through the lenses of policy, technology, and societal impact. The session was chaired by Mr. Rahul Mehta of the Mehta Family Foundation and co-chaired by Prof. Suhas S. Joshi, Director, IIT Indore. Distinguished panelists included Prof. Ananth Grama of Purdue University, USA, and Prof. Shankar Subramaniam of the University of California, San Diego, USA. The discussion was moderated by Prof. Pritee Sharma, Head of the Mehta Family School of Sustainability.

Advaita: Vision for the Future World



IIT Indore hosted a philosophical lecture on "Advaita: Vision for the Future World", organized by Acharya Shankar Sanskritik Ekta Nyas under the aegis of the Department of Culture, Government of Madhya Pradesh. The event featured Padma Shri Acharya Jonas Masetti of Brazil, along with Swami Shuddhidananda and Swamini Sadvidyananda Saraswati, who highlighted the relevance of Advaita philosophy in fostering self-awareness and holistic development in the modern era. The programme also included a captivating Carnatic music performance by Rahul R. Vellal and his team. The event witnessed enthusiastic participation from IIT Indore faculty, students, staff, and invited guests.

Rajbhasha Review Meeting



IIT Indore participated in the Exhibition and Review Meeting of Committee of Parliament on Official Langauge held at The Park Hotel, Indore, showcasing its initiatives for the promotion and implementation of Rajbhasha Hindi. The Institute highlighted its Hindi publications, administrative practices, and innovative programmes such as Vigyan Par Charcha and the research journal. The Parliamentary Committee on Official Language appreciated IIT Indore's efforts and awarded the Institute the "Good" Category for its effective implementation and promotion of Rajbhasha Hindi.

Visit to Germany



Ten Ph.D. scholars from the Mehta Family School of Biosciences and Biomedical Engineering, IIT Indore, participated in the workshop "Hands-on Organoid and Electron Microscopy" at the University of Würzburg, Germany, under the SPARC-GIANT project funded by the Ministry of Education, Government of India, and the Federal Foreign Office, Germany. The students received practical training in organoid development and electron microscopy. The project is jointly led by Prof. Avinash Sonawane (IIT Indore) and Prof. Srikanth Karnati (University of Würzburg). During the visit, the scholars also toured the laboratory of Nobel Laureate Prof. Wilhelm Conrad Röntgen, discoverer of X-rays.

Malwa Chemical Conclave 2025



The Department of Chemical Engineering at IIT Indore successfully organized the inaugural Malwa Chemical Conclave 2025 on December 13, 2025, bringing together industry leaders, policymakers, and academia to strengthen collaboration in the chemical engineering sector. Supported by the Bureau of Indian Standards (BIS), the conclave focused on industry challenges, innovation, sustainability, and standardization in alignment with the vision of 'Viksit Bharat'. Addressing the gathering, Prof. Suhas S. Joshi, Director, IIT Indore, emphasized the importance of academia-industry partnerships in driving technological and societal progress. The event also highlighted academic and research opportunities, including the launch of a new M.Tech. programme in Chemical Process Design and Intelligence from July 2026.

AIMTDR 2025



IIT Indore successfully hosted the 10th International and 31st All India Manufacturing Technology, Design, and Research (AIMTDR 2025) Conference from December 11–13, 2025, centered on the theme "Green Manufacturing." The conference brought together over 650 delegates from academia, industry, and R&D organizations, making it the largest conference hosted at IIT Indore. A total of 371 research papers were presented across 44 technical sessions, complemented by keynote lectures, memorial talks, and technology exhibitions. Addressing the event, Prof. Suhas S. Joshi emphasized the importance of sustainable manufacturing in tackling climate change. The conference concluded with a renewed focus on innovation-driven, environmentally responsible manufacturing practices.

Takniki Hindi Sangoshti 2025



IIT Indore successfully organized Takniki Hindi Sangoshti 2025 under Abhyuday-3 in collaboration with IIT Jodhpur and CSIR-NIScPR, New Delhi. The symposium aimed to promote the use of Hindi in science, technology, research, and innovation. Eminent academicians, scientists, researchers, and students participated in invited lectures, technical paper presentations, cultural programmes, and science communication activities. The event highlighted initiatives for strengthening technical and scientific discourse in Hindi and making knowledge more accessible to society. Outstanding research presentations were recognized, while discussions emphasized the importance of local languages in education, innovation, and nation-building.

77th Republic Day



The 77th Republic Day was celebrated with great enthusiasm and patriotic fervour at IIT Indore. The celebrations commenced with the unfurling of the National Flag by Director, Prof. Suhas Joshi, followed by the National Anthem. Students presented a vibrant cultural programme featuring patriotic songs, dances, and musical performances that reflected India's rich cultural heritage and spirit of unity. Faculty members, staff, students, and their families participated enthusiastically in the event. The programme fostered a sense of national pride and togetherness, making the celebration memorable and inspiring for the entire institute community.

Magnum Opus 2026



IIT Indore will host Magnum Opus 2026, its annual alumni festival, from January 30 to February 1, 2026, under the theme "Roots and Routes." Organised by the Office of Alumni and Corporate Relations, the event celebrates the enduring bond between the Institute and its alumni while fostering mentorship, collaboration, and knowledge exchange. The programme features an Under 25 Summit, Tech Expo, Campus Tour, speaker sessions, panel discussions, cultural performances, and a felicitation ceremony. Bringing together alumni from industry, academia, research, entrepreneurship, and public service, Magnum Opus 2026 aims to strengthen lifelong connections and support IIT Indore's continued growth and impact.

Visit to University of Pittsburgh



A delegation from Indian Institute of Technology Indore, comprising Prof. Prabhat Kumar Upadhyay, Prof. Manish Kumar Goyal, Prof. Pritee Sharma, Prof. Parimal Kar, and Prof. Hitendra Kumar, visited the University of Pittsburgh to explore opportunities for collaboration in space biomedicine, regenerative medicine, and translational healthcare research. The delegation held discussions with Dr. Chandan K. Sen, Director of the McGowan Institute for Regenerative Medicine, and gained insights into the University's pioneering Space Biomedicine Program. Interactions with Mr. Jeff Whitehead, Dr. Sashwati Roy, and Dr. Shomita Steiner further strengthened prospects for future academic and research collaborations. Special appreciation was extended to Dr. Kanhaiya Singh for facilitating the visit.

Bengaluru Chapter Meet



IIT Indore successfully organized its 6th Alumni Meet along with the 2nd Bengaluru Chapter Meet on January 17, 2026, at the MLR Convention Center, Whitefield, Bengaluru. The event brought together over 173 alumni and around 235 participants, including faculty members, institute officials, and guests. The meet provided a platform for alumni to reconnect with their alma mater, strengthen professional networks, and explore collaborative opportunities. Addressing the gathering, Prof. Suhas S. Joshi, Director, IIT Indore, highlighted the vital role of alumni in mentoring students, supporting innovation, and advancing research. The event concluded with interactive discussions, networking sessions, and cultural interactions, reinforcing the strong bond between IIT Indore and its alumni community.

DISHA 2.0



The DISHA 2.0 (Developing Innovations for Successful Harnessing and Adoption) Award Ceremony was held at IIT Indore, recognizing outstanding startups, projects, and fellows driving innovation in digital healthcare. Implemented by the IITI DRISHTI CPS Foundation under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS), Department of Science and Technology, Government of India, the programme supports the translation of research into impactful healthcare solutions. Awardees were recognized for their contributions in areas such as AI-enabled clinical decision support, healthcare data analytics, and emerging digital health technologies. DISHA 2.0 continues to strengthen India's healthcare innovation ecosystem through collaboration among academia, clinicians, startups, and industry, supporting the vision of Viksit Bharat.

BIS–Academia Collaboration for Sustainable Development



IIT Indore successfully organized a one-day workshop on "BIS–Academia Collaboration for Sustainable Development" on February 11, 2025, bringing together over 200 participants from academia, industry, startups, and government. The workshop highlighted the importance of standardization in driving innovation, quality, and sustainability. Under the BIS–IIT Indore collaboration, 12 workshops have engaged over 800 stakeholders, seven BIS Student Chapters have been established, and six research projects have been sanctioned. The programme featured discussions on sustainability, MSMEs, intelligent mobility, energy systems, and infrastructure, reinforcing the role of academia-industry partnerships in supporting national development and climate resilience.

17th Foundation Day 2026



IIT Indore celebrated its 17th Foundation Day on February 17, 2026, marking seventeen years of excellence in education, research, innovation, and societal impact. The event showcased the Institute's achievements through a technology exhibition featuring advanced research outcomes and indigenous innovations. Addressing the gathering, Director Prof. Suhas Joshi highlighted IIT Indore's commitment to academic excellence, inclusive development, and research-driven solutions for societal challenges. Distinguished guests Dr. Sharad Kumar Saraf and Shri Saket Chaturvedi commended the Institute's rapid growth and contributions to nation-building. The celebrations also included the inauguration of new research facilities, recognition of outstanding faculty, staff, and alumni, and a cultural programme reflecting India's rich heritage.

AI Impact Summit 2026



IIT Indore showcased its cutting-edge AI innovations at the India AI Impact Summit 2026, highlighting transformative technologies across healthcare, agriculture, climate sustainability, smart infrastructure, cybersecurity, Manufacturing 4.0, and semiconductors. The Institute demonstrated AI-driven solutions designed to address real-world challenges and support national development. AgriHub and IITI DRISHTI CPS Foundation presented advanced AI applications in agriculture and digital healthcare, respectively. Speaking at the Summit, Director Prof. Suhas Joshi emphasized the importance of responsible and inclusive AI for societal impact. The participation strengthened collaboration opportunities with industry, startups, and government agencies, reinforcing IIT Indore's leadership in AI-driven research and innovation.

Alumni Meet in Munich



On February 28, 2026, IIT Indore organized an Alumni Meet in Munich, bringing together alumni from diverse batches, disciplines, and professional backgrounds. The event provided a valuable platform for reconnecting with the Institute and strengthening the global alumni network. Director Prof. Suhas Joshi shared key institutional achievements and future initiatives, while the Deans highlighted academic developments and expanding international collaborations. Alumni actively participated in discussions on mentorship, research partnerships, industry engagement, and internship opportunities. The evening concluded with a formal dinner, fostering meaningful interactions and reinforcing IIT Indore's commitment to sustained alumni engagement and strengthening its international outreach.

TEDxIITIndore 2026



TEDxIITIndore 2026, themed "The Uncharted Lap," brought together innovation, inspiration, and community engagement at IIT Indore. The event commenced with the vibrant TEDx Carnival and Food Fest, featuring interactive activities and attracting over 1,500 participants from diverse backgrounds. The main conference showcased thought-provoking talks by distinguished speakers, including Anil Khosla, Madhukar Swayambhu, Kishore Taid, and Yash R. Mishra, who shared valuable insights on leadership, entrepreneurship, research, and creativity. The event fostered meaningful discussions and encouraged participants to explore new perspectives. The day concluded on a high note with an energetic musical performance by Ziddi Band.

Ingenium 3.0



Ingenium 3.0, the flagship techno-cultural festival of IIT Indore, was held from March 13–15, 2026, under the theme "Chronoverse – Past. Present. Future." The festival featured a rich blend of cultural performances, technological showcases, and intellectual engagements. Highlights included a SPIC MACAY sarod recital by Pandit Partho Sarothy, Kavyanjali poetry session, 26 technical and cultural competitions, and interactive exhibitions such as Drone Soccer and a Defense Exposition in collaboration with MCTE Mhow. Inspiring talks by Dr. Chetan Singh Solanki and Acharya Prashant, captivating performances, and a spectacular 250-drone light show marked the festival's grand success.

Bharat Innovates 2026



A senior delegation from IIT Indore and IITI DRISHTI CPS Foundation, led by Prof. Suhas Joshi, Director, IIT Indore, participated in the Deep-Tech Pre-Summit of Bharat Innovates 2026 held at IIT Bombay on March 21–22, 2026. Organized by the Ministry of Education, Government of India, the summit brought together leading deep-tech startups and key stakeholders from government, academia, and industry. The event was addressed by Shri Dharmendra Pradhan, Hon'ble Minister of Education, and featured eminent leaders from India's science and innovation ecosystem. As the Healthcare & MedTech Domain Coordinator, IIT Indore and DRISHTI CPS continue to support evaluation, mentoring, and ecosystem-building initiatives.

SETU 2026



SETU 2026 (Stakeholders Engagement in Technology Upgradation), organized by IITI DRISHTI CPS Foundation and hosted at IIT Indore, commenced with registrations, exhibition inauguration, and stakeholder interactions. Participants explored live demonstrations and advanced healthcare technology facilities at the CHARAK Centre for Digital Healthcare and the Digital Healthcare Technology Translation Lab. Prof. Palani I.A. presented an overview of IITI DRISHTI CPS Foundation, followed by technical sessions on digital healthcare innovation. A high-level panel featuring experts from IIT Indore, AIIMS, industry, and healthcare institutions discussed emerging opportunities in digital health. The day concluded with project presentations, Demo Day activities, networking, and collaborative engagements.

Launchpad: Incubation and Innovation Center





Launchpad: Incubation and Innovation Center was inaugurated at Sinhasa IT Park, Indore, in the presence of Dr. Mohan Yadav, Hon'ble Chief Minister of Madhya Pradesh. Established jointly by IITI DRISHTI CPS Foundation and MPSEDC under the Department of Science and Technology, Government of Madhya Pradesh, the center aims to strengthen the state's deep-tech innovation ecosystem. The event was attended by Prof. Suhas Joshi, Director, IIT Indore; Dr. K. Sivan, Former Chairman of ISRO and Chairperson, Board of Governors, IIT Indore; and Shri M. Selvendran, Principal Secretary, Department of Science and Technology, Government of Madhya Pradesh. The center will support startups and innovation in AI, robotics, digital healthcare, and advanced manufacturing.

New Research and Sustainability Facilities



IIT Indore marked a significant milestone in its pursuit of academic and research excellence with the laying of foundation stones for key infrastructure projects and the inauguration of advanced research facilities on March 30, 2026. Dr. K. Sivan, Chairperson, Board of Governors, IIT Indore, laid the foundation stones for the 1 MW Solar Park and the new Kendriya Vidyalaya building, while inaugurating the CGS Advanced Research Complex and the SwasthyaXR AR/VR Innovation Lab. The state-of-the-art facilities will strengthen research, sustainability, and digital healthcare innovation at the Institute. The event was attended by Prof. Suhas Joshi, Director, IIT Indore, along with faculty members, researchers, and distinguished guests from collaborating institutions.

Digital Learning and Reading Among Girl Students



As part of its commitment to community outreach and inclusive education, IIT Indore established a Library and Computer Kiosk at the Netaji Subhash Chandra Bose Residential Girls Hostel, Simrol, under the Samagra Shiksha Abhiyan. The facility was inaugurated by Mrs. Malathy Sivan on March 27, 2026, in the presence of Institute officials, school authorities, and students. IIT Indore contributed books, storage almirahs, computers, UPS systems, tables, and chairs to support learning and digital access. The initiative aims to promote reading habits, digital literacy, self-learning, and educational empowerment among girl students, fostering their overall development and confidence.

Workshop on Deep AgriTech, Markets and FPOs



AgriHub at IIT Indore, in collaboration with BharatKhand and Solidaridad, organized a workshop on "Future of Agriculture – Deep Agri Technology, Markets & FPOs" on April 21, 2026. The event brought together Farmer Producer Organizations (FPOs), agri-industries, researchers, and technology developers to explore the adoption of Deep AgriTech solutions. The inaugural session featured Prof. Suhas S. Joshi, Director, IIT Indore; Dr. K.H. Singh, Director, ICAR-NSRI; Dr. Suresh Motwani, General Manager, Solidaridad; and Prof. Aruna Tiwari, Principal Investigator, AgriHub. Discussions focused on AI- and IoT-driven agriculture, precision farming, market linkages, and technology deployment, with participants emphasizing stronger collaboration to accelerate innovation adoption and benefit farmers at the grassroots level.

National Water Conference 2026



The National Water Conference 2026, themed "Advancing Water Resources for a Sustainable and Resilient Future," was organized at IIT Indore by the Mehta Family School of Sustainability and the Department of Civil Engineering in collaboration with BIS and INSA. The conference brought together over 150 participants, including policymakers, researchers, academicians, and industry experts, to discuss water resource management, climate change, geospatial technologies, and sustainable development. Prof. Suhas S. Joshi, Director, IIT Indore, emphasized the importance of research-driven solutions for water security, while Prof. A. K. Nema highlighted the role of advanced technologies in addressing emerging water challenges. The event fostered dialogue on policy, innovation, and sustainable water governance.

Alumni Meet Delhi 2.0



Alumni Meet Delhi 2.0 brought together over 100 alumni and 143 attendees for an evening of reconnecting, networking, and celebrating the growing IIT Indore alumni community. Organized by the Alumni and Corporate Relations (ACR) Team, the event featured interactions with Prof. Suhas Joshi, Director, IIT Indore, and Prof. Suman Mukhopadhyay, Dean ACR, who shared updates on the Institute's achievements and future vision. A key highlight was the launch of the Annual Alumni Report, showcasing the impact of the alumni network. Alumni Talk Sessions, cultural performances, and networking opportunities fostered meaningful engagement, strengthening lifelong connections and collaborations within the IIT Indore community.

Yuva Sangam Phase VI Jharkhand Delegates Meet Governor of Madhya Pradesh



Youth delegates from Jharkhand participating in Yuva Sangam Phase VI at IIT Indore met the Hon'ble Governor of Madhya Pradesh, Shri Mangubhai C. Patel, in Bhopal on June 2, 2026, under the Ek Bharat Shreshtha Bharat initiative. The Governor was felicitated by Dr. Mrigendra Dubey, Nodal Officer, IIT Indore, and Dr. Suresh Kumar Y., Coordinator, IIT (ISM) Dhanbad. The occasion also witnessed the unveiling of the Yuva Sangam T-shirt for the Madhya Pradesh delegation. Addressing the participants, the Governor emphasized the importance of cultural diversity and national integration, while the programme showcased the delegates' week-long journey across Madhya Pradesh, fostering cultural understanding and youth engagement.

IIT Indore Flags Off Madhya Pradesh Delegation for Yuva Sangam Phase VI



IIT Indore ceremonially flagged off the Madhya Pradesh youth delegation to IIT (ISM) Dhanbad, Jharkhand, under Yuva Sangam Phase VI, a flagship initiative of the Government of India under the Ek Bharat Shreshtha Bharat programme. The ceremony was presided over by Prof. Suhas Joshi, Director, IIT Indore, in the presence of faculty members, officials, and participants. Selected from over 3,200 applicants, 50 youth delegates representing more than 40 districts of Madhya Pradesh will undertake a cultural and educational tour of Jharkhand from June 12–20, 2026. Dr. Mrigendra Dubey, Nodal Officer, Yuva Sangam Phase VI, will accompany the delegation, fostering cultural exchange, national integration, and youth engagement.

राजभाषा समिति

काव्य पाठ प्रतियोगिता (स्वरचित)



नगर राजभाषा कार्यान्वयन समिति (के.), इंदौर के तत्वावधान में भारतीय प्रौद्योगिकी संस्थान इंदौर के संयोजन से दिनांक 11 जून, 2025 को स्वरचित काव्य पाठ प्रतियोगिता का सफल आयोजन किया गया। यह प्रतियोगिता एलआरसी भवन के भू–तल स्थित सेमिनार हॉल में अपराह्न 3 बजे से आयोजित हुई। प्रतियोगिता में नराकास (के.), इंदौर के अंतर्गत विभिन्न कार्यालयों से कुल 29 प्रतिभागियों ने पंजीयन कराया, जिनमें से 24 प्रतिभागियों ने उपस्थित होकर अपनी स्वरचित कविताओं का प्रभावशाली प्रस्तुतीकरण किया। प्रतिभागियों ने हिंदी भाषा की अभिव्यक्ति, साहित्यिक सौंदर्य एवं रचनात्मकता का उत्कृष्ट प्रदर्शन किया। प्रतियोगिता में श्री सत्य प्रकाश व्यास, पीएम श्री केन्द्रीय विद्यालय क्र. 1, इंदौर ने प्रथम स्थान प्राप्त किया। द्वितीय स्थान सुश्री अनन्या मिश्र, भारतीय प्रबंध संस्थान इंदौर तथा तृतीय स्थान श्री अंजनेय उपाध्याय, सीमा शुल्क आयुक्त कार्यालय, इंदौर को प्राप्त हुआ। इसके अतिरिक्त डॉ. दिव्यांशु दीक्षित, भारतीय प्रौद्योगिकी संस्थान इंदौर एवं श्रीमती चेतना खांबेटे, पीएम श्री केन्द्रीय विद्यालय आईआईटी, इंदौर को क्रमशः प्रथम एवं द्वितीय सांत्वना पुरस्कार प्रदान किए गए। कार्यक्रम का आयोजन सफलतापूर्वक संपन्न हुआ तथा सभी प्रतिभागियों एवं उपस्थित अधिकारियों द्वारा इसकी सराहना की गई।

राजभाषा विभाग स्वर्ण जयंती समारोह



भारत सरकार के गृह मंत्रालय के अंतर्गत राजभाषा विभाग द्वारा 26 जून, 2025 को नई दिल्ली स्थित भारत मण्डपम् में स्वर्ण जयंती समारोह का आयोजन किया गया। यह कार्यक्रम राजभाषा विभाग के 50 वर्ष पूर्ण होने के उपलक्ष्य में आयोजित हुआ। इस समारोह के मुख्य अतिथि के रूप में भारत सरकार के ओजस्वी केंद्रीय गृह एवं सहकारिता मंत्री श्री अमित शाह जी उपस्थित थे। समारोह में विभिन्न गणमान्य अतिथियों, हिंदी अधिकारियों एवं देशभर से आए हजारों प्रतिभागियों ने सहभागिता की। कार्यक्रम का शुभारंभ दीप प्रज्वलन से हुआ तथा विभिन्न हिंदी पुस्तकों एवं पत्रिकाओं का विमोचन किया गया। इस अवसर पर "सप्त सिंधु शब्द कोश" का भी लोकार्पण किया गया। अपने संबोधन में अमित शाह ने भारतीय भाषाओं को देश की एकता का सशक्त माध्यम बताया। इस समारोह में भारतीय प्रौद्योगिकी संस्थान इंदौर की ओर से कुलसचिव श्री एस. पी. होता, सहायक कुलसचिव–सह–राजभाषा अधिकारी श्री राजीव पाण्डेय एवं कनिष्ठ हिंदी अनुवादक श्री शिशिर कुमार उपस्थित रहे। कार्यक्रम के दौरान संस्थान द्वारा हिंदी पुस्तकों का भी क्रय किया गया।











हिंदी पखवाड़ा – 2025

भारतीय प्रौद्योगिकी संस्थान इंदौर द्वारा राजभाषा समिति के तत्वावधान में दिनांक 16 से 29 सितंबर, 2025 तक "हिंदी पखवाड़ा – 2025" का सफल आयोजन किया गया। इस अवधि में स्वरचित हिंदी काव्य पाठ, हिंदी निबंध, कहानी पाठ (किस्सागोई), हिंदी क्विज़, हिंदी विज्ञान पोस्टर प्रतियोगिता तथा संस्थान राजभाषा कार्यान्वयन पुरस्कार सहित विभिन्न प्रतियोगिताओं का आयोजन किया गया, जिनमें संकाय सदस्यगण, छात्रगण, अधिकारीगण एवं कर्मचारीगण ने उत्साहपूर्वक सहभागिता की। हिंदी पखवाड़ा के अंतर्गत 'भारतीः काव्य सम्मेलन' एवं हिंदी कार्यशाला का भी आयोजन किया गया, जिसमें आमंत्रित कवियों ने अपनी काव्य प्रस्तुतियों एवं व्याख्यानों के माध्यम से हिंदी साहित्य एवं रचनात्मक लेखन के विविध आयामों पर प्रकाश डाला। साथ ही, विद्यार्जन संसाधन केंद्र में हिंदी पुस्तकों की विशेष प्रदर्शनी एवं विभिन्न विभागों में "दैनिक हिंदी शब्द/सुविचार" का प्रदर्शन किया गया, जिससे हिंदी भाषा के प्रचार–प्रसार को बढ़ावा मिला। दिनांक 29 सितंबर, 2025 को हिंदी पखवाड़ा – 2025 के समापन अवसर पर पुरस्कार वितरण समारोह आयोजित किया गया। समारोह में संस्थान के निदेशक प्रोफेसर सुहास एस. जोशी मुख्य अतिथि के रूप में उपस्थित रहे। इस अवसर पर कुल 40 प्रतिभागियों को प्रमाण–पत्र एवं नकद पुरस्कार प्रदान किए गए। कार्यक्रम के दौरान "वि.प्र.म. विज्ञान द्य प्रौद्योगिकी द्य मानविकी" पत्रिका का विमोचन भी किया गया। समारोह के अंत में राजभाषा अधिकारी श्री राजीव पाण्डेय द्वारा सभी अतिथियों, प्रतिभागियों एवं राजभाषा समिति के सदस्यों का धन्यवाद ज्ञापित किया गया।






'भारतीः काव्य सम्मेलन' एवं हिंदी कार्यशाला

हिंदी पखवाड़ा – 2025 के अंतर्गत 'भारतीः काव्य सम्मेलन' का सफल आयोजन किया गया, जिसमें कवि राजेश कुमार, पंकज दीक्षित, धीरज चौहान एवं कान्ताप्रसाद कमल ने अपनी ओजपूर्ण एवं भावपूर्ण काव्य प्रस्तुतियों से श्रोताओं को मंत्रमुग्ध किया। कार्यक्रम में देशप्रेम, सामाजिक चेतना, सांस्कृतिक मूल्यों एवं मानवीय संवेदनाओं पर आधारित रचनाओं का प्रभावशाली पाठ किया गया। कार्यक्रम के अंत में आमंत्रित कवियों का सम्मान किया गया तथा हिंदी भाषा एवं साहित्य के प्रचार–प्रसार में इस प्रकार के आयोजनों की महत्ता पर प्रकाश डाला गया। साथ ही, हिंदी कार्यशाला के अंतर्गत राजेश कुमार एवं पंकज दीक्षित द्वारा काव्य विधा, छंद, अलंकार एवं रचनात्मक लेखन पर ज्ञानवर्धक व्याख्यान प्रस्तुत किए गए। प्रतिभागियों ने सक्रिय सहभागिता करते हुए अपने प्रश्न प्रस्तुत किए, जिनका कवियों ने प्रेरणादायी ढंग से समाधान किया।

संसदीय राजभाषा समिति की प्रदर्शनी एवं समीक्षा बैठक



भारतीय प्रौद्योगिकी संस्थान इंदौर ने दिनांक 6 अक्टूबर, 2025 को आयोजित संसदीय राजभाषा समिति की प्रदर्शनी एवं समीक्षा बैठक में सक्रिय सहभागिता निभाई। यह कार्यक्रम भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड द्वारा द पार्क होटल में आयोजित किया गया। बैठक की अध्यक्षता राज्य सभा सदस्य डॉ. दिनेश शर्मा ने की। बैठक में विभिन्न केंद्रीय कार्यालयों एवं संस्थानों में राजभाषा हिंदी के प्रयोग एवं क्रियान्वयन की समीक्षा की गई। संस्थान की ओर से निदेशक प्रोफेसर सुहास जोशी, कुलसचिव श्री एस. पी. होता, राजभाषा अधिकारी श्री राजीव पाण्डेय तथा अन्य अधिकारियों ने सहभागिता की। प्रदर्शनी में संस्थान द्वारा हिंदी में किए जा रहे प्रशासनिक कार्यों, प्रकाशनों एवं नवाचारों को प्रदर्शित किया गया। विशेष रूप से 'विज्ञान पर चर्चा' पहल एवं 'वि.प्र.म.' शोध पत्रिका को सराहना प्राप्त हुई। संसदीय राजभाषा समिति के सदस्यों ने संस्थान द्वारा राजभाषा हिंदी के प्रभावी क्रियान्वयन की प्रशंसा की। समीक्षा बैठक के दौरान संसदीय राजभाषा समिति की प्रथम उप–समिति द्वारा भारतीय प्रौद्योगिकी संस्थान इंदौर को उत्कृष्ट राजभाषा गतिविधियों के लिए "अच्छा" श्रेणी प्रदान कर सम्मानित किया गया।

तकनीकी हिंदी संगोष्ठी – 2025



भारतीय प्रौद्योगिकी संस्थान इंदौर में अभ्युदय – 3 के अंतर्गत दिनांक 05 एवं 06 जनवरी, 2026 को "तकनीकी हिंदी संगोष्ठी – 2025" का सफल आयोजन किया गया। यह संगोष्ठी भारतीय प्रौद्योगिकी संस्थान जोधपुर एवं सीएसआईआर – राष्ट्रीय विज्ञान संचार एवं नीति अनुसंधान संस्थान के संयुक्त तत्वावधान में आयोजित हुई। संगोष्ठी का उद्देश्य विज्ञान, प्रौद्योगिकी एवं नवाचार के क्षेत्र में हिंदी भाषा के प्रयोग को बढ़ावा देना तथा तकनीकी ज्ञान को जनसामान्य तक पहुँचाना था। कार्यक्रम का शुभारंभ दीप प्रज्वलन एवं अतिथियों के स्वागत के साथ हुआ। उद्घाटन सत्र में प्रोफेसर सुहास जोशी, प्रोफेसर अविनाश कुमार अग्रवाल, प्रोफेसर सुनील कुमार खिजवानिया, श्री सी. बी. सिंह, प्रोफेसर संदीप चौधरी एवं प्रोफेसर राजेश कुमार ने तकनीकी हिंदी, विज्ञान संचार एवं मातृभाषा में ज्ञान–विज्ञान के महत्व पर अपने विचार व्यक्त किए। इस अवसर पर संगोष्ठी स्मारिका, हिंदी कैलेंडर – 2026 तथा विभिन्न हिंदी प्रकाशनों का विमोचन भी किया गया। संगोष्ठी के दौरान विज्ञान एवं अभियांत्रिकी तथा डिजिटल तकनीक एवं नवाचार विषयों पर शोध आलेख प्रस्तुति सत्र आयोजित किए गए, जिनमें देशभर के शोधार्थियों एवं शिक्षकों ने हिंदी में अपने शोध पत्र प्रस्तुत किए। साथ ही विशेषज्ञ व्याख्यान, विज्ञान कवि सम्मेलन, विज्ञान जादू शो एवं सांस्कृतिक संध्या का भी आयोजन किया गया। सांस्कृतिक कार्यक्रम में पद्मश्री भेरू सिंह चौहान द्वारा प्रस्तुत लोकगीत एवं कबीर भजन विशेष आकर्षण का केन्द्र रहा। समापन सत्र में तकनीकी हिंदी के विकास एवं मातृभाषा में ज्ञान प्रसार की आवश्यकता पर बल दिया गया। विभिन्न सत्रों में उत्कृष्ट शोध प्रस्तुतियों को सम्मानित किया गया। यह संगोष्ठी हिंदी में वैज्ञानिक एवं तकनीकी संवाद को सशक्त बनाने तथा "ज्ञान को जन–जन तक पहुँचाने" के राष्ट्रीय उद्देश्य को आगे बढ़ाने की दिशा में एक महत्वपूर्ण पहल सिद्ध हुई।

वार्षिक एवं वित्तीय प्रतिवेदन



संस्थान में प्रत्येक वर्ष अनिवार्य रूप से हिंदी एवं अंग्रेज़ी दोनों भाषाओं में वार्षिक प्रतिवेदन तथा वित्तीय प्रतिवेदन प्रकाशित किए जाते हैं। वार्षिक प्रतिवेदन में विगत वर्ष के दौरान विभिन्न विभागों, अनुभागों एवं केंद्रों द्वारा किए गए महत्वपूर्ण कार्यों एवं उनकी उपलब्धियों का विवरण सम्मिलित होता है, जैसे संकाय सदस्यों द्वारा प्रस्तुत शोध–पत्र, पोस्टर प्रस्तुतीकरण, प्राप्त पेटेंट, इत्यादि। इसके अतिरिक्त, इस प्रतिवेदन में वर्ष भर आयोजित विभिन्न कार्यक्रमों, बैठकों एवं सम्मेलनों का भी विस्तृत विवरण प्रस्तुत किया जाता है। वहीं, वित्तीय प्रतिवेदन में विभिन्न विभागों, अनुभागों एवं केंद्रों द्वारा विभिन्न मदों के अंतर्गत किए गए व्यय का विस्तृत ब्यौरा दिया जाता है। इन दोनों प्रतिवेदनों के लिए कुल मिलाकर लगभग 65,000 से अधिक अंग्रेज़ी शब्दों का हिंदी में अनुवाद किया गया।

राजभाषा समिति

संयोजकः

प्रोफेसर राजेश कुमार,

भौतिकी विभाग (19 सितंबर 2025 तक)

प्रोफेसर नीरज कुमार शुक्ला,

गणित विभाग (20 सितंबर 2025 से)

सदस्यः

प्रोफेसर शरद गुप्ता,

मेहता फैमिली स्कूल ऑफ़ बायोसाइंसेज एंड बायोमेडिकल इंजीनियरिंग

डॉ. अभिषेक यादव,

मानविकी एवं सामाजिक विज्ञान स्कूल

श्री नीरज कुमार सोनी,

प्रशासन अनुभाग (19 सितंबर 2025 तक)

सुश्री पूजा तिवारी, स्वास्थ्य केंद्र

सुश्री मिताली दवे,

रासायनिक अभियांत्रिकी विभाग (20 सितंबर 2025 से)

राजभाषा अधिकारीः

श्री राजीव पाण्डेय (9 मार्च 2026 तक)

श्री राजेश कुमार (10 मार्च 2026 से)

सदस्य सचिवः

श्री शिशिर कुमार

Institute Facilities

Learning Resource Center

The Learning Resource Center (LRC) has been providing essential support to the Institute's teaching, learning, research and other scholarly activity on the campus. Using appropriate technology, the library delivers resources to satisfy information needs, promote lifelong learning and create productive environments for the scholarly community.



Figure 1. The Learning Resource Center (LRC) Building

Library Collection

The library continues to build and extend its collection in print and digital formats. These include books on all relevant subjects for teaching and research. The LRC also boasts of a fine collection of fiction, literature, and general interest books such as current events, sports, etc., to take care of the users' leisure and recreational reading needs. Special Collections such as the Gandhian Studies Collection, Hindi Collection, Children's Books Collection, and Matrubhasha Collection take pride of place in the LRC. The total collection of print books is 42,190+, and E-Books are 9,330+ as on 23rd June 2025.



Figure 2. Reading Facility

Electronic Resources

In today's world of Information explosion, access to electronic information resources is essential, particularly in an academic environment. During the year 2025, the LRC has subscribed and provided access to more than 3260+ e-Journals and 10+ databases. Some of the major subscribed e-resources are Royal Society of Chemistry, JSTOR, SIAM, De Gruters, World Scientific, ACI standard and journals,

SciFinder, Scopus, Indiastat, CMIE Prowess, CSD Enterprise Campus, Grammarly, Turnitin Feedback Studio, etc.

Further, as a member of the One Nation One Subscription (ONOS) initiative of the Government of India, the IITI academic community is getting access to more than 13,000+ e-Journals.

The complete list of e-resources with hyperlinks is available on the LRC website for users' convenience.

Institutional Repository

The library has created an Institutional Digital Repository (https://dspace.iiti.ac.in/) using a widely used open source DSpace software to collect, preserve, organize and provide access to the creative and scholarly works and research of IIT Indore's faculty, students, and staff. This repository contains more than 15,090+ items in the following collections: IITI Scholarly Publications (Research articles and books), Theses & Dissertations, Technology Highlights of IIT Indore, B.Tech Projects, Digital Humanities Lab, Newspaper Clippings, Resources for Visually Impaired Persons (Audio lectures), Annual Reports, Convocation Reports, Magazine & Newletters, etc.

Circulation and Reference Service

The library circulation service is automated using Koha-ILMS (open-source software) and integrated with the RFID system. Users can get issued and return the loan item through an RFID self-service kiosk. From June 2024 to May 2025, a total of 21,546 documents were issued/renewed to all categories of users for home study. User category-wise circulation data is presented in the table below:

	B.Tech.	M.Tech.	M.Sc.	MS Research	Ph.D. & RA	Faculty	Others
Documents circulated for home study	11625	1341	2705	285	2969	1864	757

The library also provides user services like references, the new addition of books, orientation programs for new students, inter-library loans, subject guides, training session programs for e-resources, QR codes for various library services, and faculty profile management through the IRINS portal, etc.

Document Delivery Service Portal

The LRC arranges to procure research articles not held in its collection from different sources. This service is being provided for academic and research purposes to the faculty, research scholars, students and staff within the limit of copyright laws. To streamline this service, the LRC has developed a "Document Delivery Service" portal by using open-source software. This can be accessed from the library website. There is a total of 1,450+ research articles arranged from other institutions' libraries and provided to IITI users during the period June 2024 to May 2025.

Matrubhasha Collection

This Matrubhasha Collection section of the library was dedicated to the community by Prof. Suhas S. Joshi, Director, IIT Indore. More than 880+ books in 8 Indian languages (viz. Sanskrit, Telugu, Kannada, Odia, Marathi, Bengali, Gujarati, and Hindi) have been donated by IIT Indore faculty and staff members.

Swadhyay

The Swadhyay (Self Study Space) of the LRC provides a conducive environment for self-study. This space is independent of the main LRC building and is open 24x7 for its users.



Figure 3. Swadhyay (Self-study Space)



Library Team

Health Centre



Facilities: The Health Centre provides dedicated services to the Institute community comprising students, research staff, employees, and their dependents. It has outpatient, daycare, and in-patient facilities for minor ailments. Emergency medical care and ambulance services are available 24 X 7. It facilitates well-equipped physiotherapy services. Health Centre team provides essential in-house investigation facilities, including ECG and Rapid investigations such as GRBS. Trop I, etc.

Diagnostic Services - In-house Diagnostic laboratory and X-Ray facility help in comprehensive care to patients.

Specialist Consultation Facilities-Specialist consultation services are available for dental, E.N.T., medicine, obstetrics and gynaecology, paediatrics, psychiatry, ophthalmology, Orthopedics, Dietetics and dermatology. Minor dental procedures, antenatal follow-up, and minor ENT procedures are also performed at institute health centre. Upgradation of ENT OPD diagnostic facility reduced referral to higher centre.

Cases requiring higher investigations and management are referred to empaneled hospitals in Indore city. Preventive and promotive health care activities

Various activities for prevention, early detection and initiation of early treatment of diseases are carried out by health centre team. Annual health check-up was carried out for institute employees. Health awareness sessions were organised to promote preventive health care and self-health awareness. Basic health check-up of front-line workers such as housekeeping staff and institute drivers was also organized as a preventive and promotive health care activity. Diabetes and hypertension screening camp helped in early diagnosis and for treatment management.

Numerical data of the Health Centre for the year 2025-2026

Total OPD	Total Day care and IPD	Emergency	Trauma and Injuries	In-house Investigations	Cases after OPD hours	Total Physiotherapy
22753	1084	78	525	1560	2926	2902



BLOOD DONATIONS CAMP 2026
Total - 432 Blood Donations

Central Workshop



The Central Workshop, IIT Indore, was established during AY 2011-2012 . It undertakes laboratory classes, fabrications of research and project components. It has excellent infrastructure equipped with modern state-of-the-art facilities and high-end research equipment. CW having seven shops, Machining, Welding, Forming, Foundry, Injection Molding, Fitting, and Carpentry, with a team of efficient and highly skilled work force. The workshop undertakes undertaking turning, milling, drilling, surface grinding, injection moulding, sheet shearing, bending, drawing, wire drawing, nibbling, arc welding, MIG/MAG welding, TIG welding, gas welding, plasma air cutting, induction heating, metal casting, fitting and carpentry related fabrication works.

It was established to provide hands-on experience to students in the Production and Fabrication of simple mechanical components. This is a small, effective, and successful working model using machine tools and computers at the workbench. Students are exposed to different manufacturing methods, materials and components, procedures, and software programs currently used in commercial manufacturing and assembly processes. This is of immense help in transforming students into engineers.

The CW supports students and research scholars in realizing their research objectives by providing technical expertise and infrastructure support to perform novel and cutting-edge research. CW also offers opportunities of hands-on training and skill development to students through practical training sessions and workshops.



Professor In charge,
Central Workshop
Dr. Dan Sathiaraj
Associate Professor (ME)
workshopincharge@iiti.ac.in

Research Interests:

- Medium to High entropy alloys
- Severe plastic deformation (SPD)
- Recrystallization and grain growth study
- Micro, Nanomachining of MEAs and HEAs
- Surface modification Engineering (SMAT, Laser Shot-peening, etc.)
- Mechanical and functional property study

Activities during the year 2025-2026

- Work Request received at Central Workshop: - The central workshop completed 372 Nos. of work requests during year 2025-2026 for various purposes, including UG/ PG Research teaching, PG Research, BTP, Sponsored projects, and other fabrication works. The workshop has utilized available scarp materials to make various components, fabrication of bridges for Genesis Program, storage tanks, compressor sheds, Furniture fabrication for health Centre, Fabrication of Bamboo-Plywood roof Top for Craft Centre, Tables etc.
- Award and achievements: Central Workshop wins the Best Cleanliness Award during Swachhta Pakhwada Samaroh 5.0 at IIT Indore on 31st October 2025.

- Laboratory classes: The central workshop has conducted practical classes of Manufacturing processes lab (ME-258), Machining Science and Metrology Laboratory (ME-355), Casting and Welding technology Lab (MM252).
- Visit and Orientation Program of School Students: - The central workshop has conducted visit and Orientation Program of 3000+ School students.
- Development of new facilities: - The central workshop has introduced CNC Milling machine trainer and Abrasive Water Jet Cutting Machine to support laboratory and research works.



Fabrication of Reactor Vessel



Repair of Machine Component



(a)Fabrication Cylinder Safety Cabinet



Bamboo Open Cabinet stand for CRDT



Fabrication of Table for Disc Polishing machine



(a)Table for Furnace - MEMS Deptt.



Fabrication of Welding Curtain Stand



Fabrication of Coat Stand



Fabrication of Machine Table for MEMS Deptt.



Research Project of BSBE Deptt.



Alignment of Field Shaper



Machine Table for Tinkerers Lab



Students of B.Tech 1st year for Genesis Program



Trusses Assembly for Genesis Program B. Tech 1st Year



Visit of Students from Various Schools and Colleges

Faculty Affairs

The Faculty Affairs Office deals with all administrative matters related to the faculty members. It maintains administrative records from recruitment to relieving of the faculty members. The Office is headed by Professor Abhishek Srivastava, Dean of Faculty Affairs, assisted by Dr. Ashish Upadhyaya - Deputy Registrar, Mr. Sunil Sawle – Section Officer, Mr. Sunny Namdev – Junior Superintendent and Ms. Pinaz Daniel – PA to DOFA.

This office enables the following tasks:

(a) Conduct of recruitment drives and appointment of permanent/contractual/ visiting/ distinguished/emeritus faculty members in various Departments/Schools.

(b) Joining formalities of newly joined faculty members.

(c) Maintenance of Service Records and Personal Files of faculty members.

(d) Processing of all service matters, including pay revision, upgradation and conversion, leave, LTC, dependent list, deputation, annual increment, extension of tenure for contractual appointments, confirmation, NPS etc.

(e) Regular updation of service details.

(f) Providing responses to MHRD/RTI Queries and Lok Sabha/Rajya Sabha questionnaires.

Some of the major works undertaken during the year 2025-26 are as follows:

(a) Conducted Teachers Day Program in September 2025.

(b) Conducted Faculty Picnic for get-together & stress management with the object of betterment of mental & physical health of Teaching members.

(c) Formulated various policies for standardization of rules and procedures.

(d) Streamlined the joining formalities to ensure minimal movement and faster adaptation of the newly joined member to the new environment.

(e) Timely provision of LTC to faculty members.

(f) Facilitated new faculties for accommodation arrangements outside the IITI Campus.

Faculty positions filled on Date:

Designation	Strength
Professor	78
Associate Professor	54
Assistant Professor Grade I	87
Assistant Professor Grade II	10
Total	**229**

The number of faculty members joined service at IIT Indore during the year 2025-26 is 17 and details are as follows:

Designation	Strength
Assistant Professor Grade I	11
Assistant Professor Grade II	06
Visiting Distinguished Professor/ Distinguished Professor / Professor of Practice/Professor//Profesor of	16
Institute Chair Professor	05
Total	**38**

A total of 24 faculty members were upgraded to Professor (3), Associate Professor (12) and APG II converted to APG I (9).

1. Dr. Siddharth Savyasachi Malu, Associate Professor, Department of Astronomy Astrophysics & Space Engineering, relieved on May 16, 2025.
2. Dr. Vibhor Pandhare, Assistant Professor, Department of Civil Engineering, relieved on August 18, 2025.
3. Dr. Dibbendu Roy, Assistant Professor, Department of Electrical Engineering relieved on May 15, 2026.

Recognition and Awards Best Research Paper Award 2026

The details are as follows:

Title of the Research Paper	Author(s)
Heteroatom Doping Strategy for Enhanced Sodium-Ion Storage in Na2Fe1.5Mn1.5(PO4)3	Archana Rajendra Kanwade, Jena Akash Kumar Satrughna, Shraddha Manohar Rajore, Pratik Pawar, Sawanta S. Mali, Jyoti V. Patil, Chang Kook Hong, Ravi Chandra Dutta, and Parasharam Maruti Shirage.
A Generalized Fundamental Solution Technique for the Regularized 13-Moment System in Rarefied Gas Flows	Himanshi, Lambert Theisen, Anirudh Singh Rana, Manuel Torrilhon, and Vinay Kumar Gupta
Modelling health implications of extreme PM2.5 concentrations in Indian sub-continent: Comprehensive review with longitudinal trends and deep learning predictions	Kuldeep Singh Rautela, and Manish Kumar Goyal.
Tailored design of an oxygen-rich stable Co-MOF integrated with MXene nanofibers as an advanced heterostructure for high-performance ammonium- ion supercapacitors	Nissar Hussaina, and Shaikh M. Mobin
Hindustani music and gustemic lifeworlds: Studying the culinary mnemonic in musical analogies through autobiographical accounts	Aayushi Chatterjee, and Dishari Chattaraj.
Securing Hardware IP Core for CE Systems Using Fingerprint Biometric Integrated With Microscopic Fingerprint Features and Design Encoded Hash	Anirban Sengupta, and Nabendu Bhui
Role of Magnetic Reconnection in Blazar Variability Using Numerical Simulation	Chandan Kumar Das, Bhargav Vaidya, Amit Shukla, Giancarlo Mattia, and Karl Mannheim
Thermo-electro- magnetostrictive unequal-biaxial taut states in thin elastomeric membranes	Sankalp Gour, Deepak Kumar, Aman Khurana, and M. M. Joglekar
Saurabh Yadav, Chandrabhan Patel, Manoj Kumar Rajbhar, Mayank Dubey, Dhananjay D. Kumbhar, Tukaram Dattatray Dongale, Vishal Khandelwal, Saravanan Yuvaraja, Xiaohang Li, and Shaibal Mukherjee	Ultralow Powered 2D MoS2.Based Memristive Crossbar Array for Synaptic Applications

Title of the Research Paper	Author(s)
Estimating the diffuseness for the nonrelaxor-type ferroelectric to paraelectric phase transition in BaTiO3	Prithwiraj Ganguly, Prashant Joshi, Maneesha Puthiyoth, Dilip Sasmal, and Somaditya Sen.
Engineered L-asparaginase variants with enhanced therapeutic properties to improve treatment of childhood acute lymphatic leukemia	Mainak Biswas, Soumika Sengupta, Khushboo A. Gandhi, Saurabh Kumar Gupta, Poonam B. Gera, Bhagyashri Soumya Nayak, Manaswini Jagadeb, Vikram Gota, and Avinash Sonawane

Recognition and Awards Best Review Paper Award 2026

The details are as follows:

Title of the Research Paper	Author(s)
Evaluating recent developments in utilizing organic waste for biofuel production - A comprehensive review	Utkarsh Baranwal, Ashootosh Mandpe
A systematic review of prevalent soy waste management techniques	Sugato Panda, and Mayur Shirish Jain












Recruitment Cell

The Recruitment Cell plays a key role in strengthening the Human Resource framework of Indian Institute of Technology Indore by facilitating the recruitment of skilled and multidisciplinary manpower aligned with the Institute's vision of interdisciplinary excellence, innovation, and academic growth. The Institute continues to focus on recruiting professionals with technical proficiency, administrative competence, and adaptability to emerging institutional requirements.

The Cell manages Direct Recruitment, Contractual and Outsourced hiring, Departmental Promotion Committee (DPC) processes, recruitment records, RTI and parliamentary matters, grievance redressal, DoPT portal updates, Rozgar Mela coordination, and operations of the Samarth Recruitment Portal.

During 2025-26, the Institute recruited 03 personnel through direct recruitment, promoted 03 employees through DPC, engaged 03 staff on Institute contract, deployed 15 outsourced personnel, and appointed 01 part-time visiting consultant/doctor. Timely promotions under the DPC mechanism have contributed towards employee motivation, retention of experienced manpower, institutional continuity, and improved administrative efficiency.

Major Activities and Achievements (2025-26)

- Conducted recruitment processes with enhanced transparency and efficiency.
- Enhanced transparency by sharing question papers, answer keys, and marks with candidates.
- Upgraded the Institute recruitment portal with improved digital functionalities.
- Successfully managed recruitment activities through the Samarth Recruitment Portal.
- Developed Standard Operating Procedures (SoPs) and timelines for timely completion of recruitment activities.

Administration Section



The Administration Section is responsible for managing general administration and all Human Resource matters for the Institute's non-teaching staff, who serve students and faculty members through various departments/sections/centres/offices. The Section maintains and preserves the complete service records of non-teaching employees from the date of their joining till their relieving from the Institute. It functions under the overall guidance and supervision of the Dean of Administration, the Associate Dean of Administration, the Registrar, and the Additional Registrar. The administrative and HR-related functions are carried out by the Assistant Registrar (Administration), with assistance from a team of respective Group B & C staff members.

The following are the major functions of the Administration Section:

a. Maintenance, updation, and custody of Service Books, Personal Files, and other service-related records through processing of joining formalities and handling service and establishment matters of non-teaching staff, including pay fixation, promotions, leave, LTC, declaration of dependents, deputation, annual increments, confirmation, and extension of tenure of contractual appointments.

b. Compilation and furnishing of information to the Ministry of Education, Parliament, and other statutory authorities; and preparation, maintenance, and updation of Reservation Rosters for Direct Recruitment and Promotion of non-teaching staff.

c. Ensure timely examination and submission of replies to RTI applications/appeals, court cases, Parliamentary Queries, and Ministry references.

Non-Teaching Staff Strength (as on date):

Sr. No.	Group of staff	No. of staff
1	Group 'A'	27
2	Group 'B'	60
3	Group 'C'	88
	Total	**175**

Institute Award 2026:

Sl. No.	Category of the Award	Name of the Awardee
01.	Outstanding Performance by Senior Non-Teaching Staff Member	Dr. Anand Petare, Workshop Superintendent, Central Workshop
02.	Outstanding Performance by Junior Non-Teaching Staff (Group B & C)	Ms. Chainika Malhotra, Superintendent, Infrastructure Development Office
03.		Ms. Aruna Devi Mishra, Manager (outsourced employee), ACR office
04.		Mr. Tarun Vishwakarma, Junior Assistant (outsourced employee), Material Management Section
05.	Outstanding Performance by Technical Staff Member	Mr. Praveen Kaushal, Junior Lab Assistant, Academic Office (AV)
06.		Mr. Abhijeet Dutta, Junior Lab Assistant (outsourced employee), Astronomy, Astrophysics and Space Engineering
07.	Outstanding Performance by Supporting Staff Member	Mr. Ram Kumar, Junior Lab Attendant, Electrical Engineering
08.		Mr. Avadhesh Verma, Junior Attendant (outsourced employee), Civil Engineering

















Infrastructure Development Office



Infrastructure Development Office Team

Indian Institute of Technology Indore was allotted 501.42 acres of land. The Infrastructure Development Office (IDO) of the Institute is one of the key service departments, playing a vital role in providing and maintaining essential infrastructure facilities such as buildings, electricity, water supply, roads and pathways, parks and gardens, and other amenities required on the campus.

The Institute has successfully completed construction of approximately 2.21 lakh square meters comprising 41 structures. Further, the Phase III (A) construction works have commenced, and under Phase III (B), a proposal amounting to ₹ 624 Crores has been sanctioned by the Ministry of Education and is presently under the planning stage.

During the last year, the following major developments have been undertaken on the campus: -

Phase III (A) Works

a) Heavy & Sophisticated Lab Complex

b) Multi Facility Complex

c) Residential Complex

d) Studio Apartment

e) Hostels

f) New Lecture Hall Complex

g) Classrooms at Lecture Hall Complex

h) Development of NCC Ground

I) Development of Road Network

J) Electrical Substations

k) Kendriya Vidyalaya



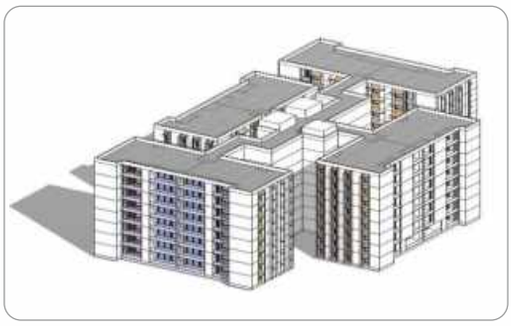
Heavy & Sophisticated Lab Complex

A modern multi-floor laboratory building with a built-up area of 29,137 sqm, designed to support advanced research and innovation activities. The complex will house Heavy Labs, Modular Labs, Centre of Excellence (COE) Labs, and 96 Faculty Rooms along with associated research and support facilities. The building is planned with modern laboratory infrastructure, utility services, HVAC, fire safety, and flexible research spaces to facilitate interdisciplinary research, industry collaboration, and high-end academic activities.



Multi Facility Complex

A multi-purpose building G+4 with a built-up area of 3,560 sqm, designed to serve academic, residential, and conference-related activities. The complex includes 1BHK apartments, halls, Harvard-style classroom, conference facilities, dining area, and associated support spaces. The building is equipped with 3 lifts, HVAC system, and modern AV systems to provide a comfortable and technologically advanced environment for academic programs, residential use, meetings, conferences, and institutional



Residential Complex

A residential building (G+7) with a built-up area of 9,795 sqm, developed to provide housing accommodation for faculty and Group-A staff members. The complex comprises 64 numbers of flats along with essential residential amenities, lifts, and parking facilities. The building is designed to provide a comfortable, secure, and convenient residential environment within the campus.



Studio Apartment

A residential apartment building (G+7) with a built-up area of 11,000 sqm, developed to provide compact and comfortable housing facilities for staff members and researchers. The complex consists of 120 flats, including 16 numbers of 1-BHK and 104 numbers of 2-BHK apartments, along with facilities of lifts, parking, and essential residential amenities. The project is designed to cater to diverse residential requirements within the campus through efficient space planning and modern infrastructure.



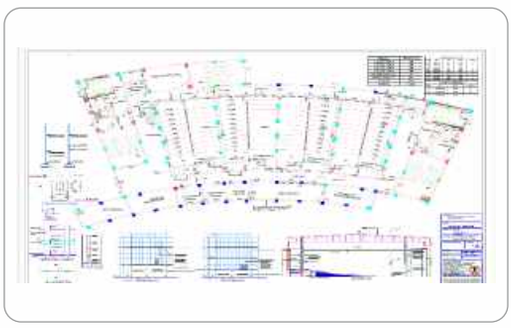
Hostels (03 Nos.)

Three hostel buildings (G+6) with an approximate built-up area of 15,453 sqm each, developed to provide modern residential accommodation for students within the campus. Each hostel comprises 375 rooms with double occupancy, a total capacity of 750 students and includes facilities such as dining hall, recreation areas, lifts, solar water heating system, RO water facility, and CCTV surveillance. The hostels are designed to provide a safe, comfortable, and fully equipped living environment for students.



New Lecture Hall Complex

A modern multi-floor academic complex with an built-up area of 13,459 sqm, developed to strengthen large-scale teaching and academic activities. The complex includes classrooms with seating capacities ranging from 100 to 600 students and seminar halls with capacities exceeding 600 seats. The building is designed with modern teaching infrastructure and associated support facilities to facilitate lectures, seminars, conferences, examinations, and other academic programs.



04 Nos. Classrooms at Lecture Hall Complex

A dedicated academic facility with a built-up area of 1,098 sqm, developed to enhance the teaching capacity of the campus. The project comprises 04 modern AV-enabled classrooms equipped with HVAC systems, power backup, and associated academic infrastructure to support lectures, tutorials, examinations, and other teaching activities in a comfortable learning environment.



Development of NCC Ground

NCC training and event ground with an area of 11,796 sqm, developed to facilitate training activities, parades, and institutional events. The project includes ground development work along with provisions for stage, seating arrangements, and toilet facilities to create a functional and well-equipped outdoor activity space.



Development of Road Network

Development of internal campus road infrastructure comprising multiple single lane roads of approximately 3.75-meter width to improve connectivity and accessibility across the campus. The work includes road construction in challenging terrain conditions such as valley areas and forest boundary zones, along with associated drainage and allied infrastructure works to ensure safe and efficient campus transportation connectivity.



Electrical Substations (ESS-1, ESS-3 & ESS-8)

The New Electrical Substations (ESS-1, ESS-3 & ESS-8), each with a plinth area of 563 Sqm, are being developed to provide reliable electrical power supply to campus buildings and infrastructure. The substations will strengthen the Institute's electrical distribution network and ensure uninterrupted power availability. The facilities include transformers, HT/LT panels, switchgear systems, and control rooms.

The design also incorporates safety provisions, efficient power management, and future expansion requirements.



Kendriya Vidyalaya

A school building (G+2) with a plinth area of 5,931 sqm and a floor-to-floor height of 3.6 meters, developed to provide modern educational infrastructure. The building is designed with classrooms and associated academic facilities to support a safe, functional, and conducive learning environment for students and staff.

Faculty Cabins Light Gauge Steel Framed Structures (LGSF) Technology

As part of our continued efforts to optimize existing campus infrastructure, an initiative has been undertaken to create faculty cabins covering an area of 325 sqm.

The Institute is exploring the adoption of new construction technologies for its infrastructure development activities. In this regard, BMTPC-approved Light Gauge Steel Frame (LGSF) Technology has been adopted, marking a significant step forward for IIT Indore in embracing innovative construction practices.

The project has been conceptualized and driven by the Institute's internal design and engineering team.

This initiative holds considerable future potential for fast, lightweight, and sustainable construction over existing buildings across the campus. It reflects the Institute's commitment to experimenting with emerging technologies and developing in-house capability for innovative and efficient infrastructure solutions.



Under construction LGSF Faculty Cabins

Installation of 1000 kW Solar Power Plant on Renewable Energy Service Company (RESCO) Mode at IIT Indore

The Indian Institute of Technology Indore has undertaken a major renewable energy initiative through the installation of a land-based 1000 kW solar power plant under the RESCO (Renewable Energy Service Company) mode through Solar Energy Corporation of India, functioning under the Ministry of New and Renewable Energy, Government of India.

Bhoomi Pujan Ceremony of solar power plant project was successfully conducted on March 30, 2026, by Dr. K. Sivan, Chairperson, Board of Governors of IIT Indore.

The project tariff has been finalized at ₹ 3.04 per kWh for a period of 25 years, ensuring long-term cost stability and sustainable energy procurement for the Institute. The solar plant is proposed to be installed on approximately 3.15 acres of land within the campus.

Upon commissioning, the plant is expected to generate substantial savings of nearly ₹ 75 lakhs annually towards electricity expenditure. In addition to financial benefits, the project will significantly contribute towards reduction in carbon emissions and enhancement of clean energy utilization on the campus.

This initiative reflects IIT Indore's continued commitment towards environmental sustainability, energy efficiency, and adoption of green technologies in alignment with national renewable energy goals.



दैनिक भास्कर इंदौर 31-03-2026

शिलान्यास • इसरो के पूर्व चीफ डॉ. के. सिवन ने किया लोकार्पण, 26.54 करोड़ की लागत से बनेगा नया भवन

आईआईटी में 1 मेगावाट का सोलर पार्क और स्वास्थ्य एक्सआर लैब शुरू, तकनीकी परिदृश्य बदलने में सहायक

24 वक्तव्य रूम के कैदी में होगी हाईटेक सुविधा!

Groundbreaking Ceremony of 1000 kW Solar Power Plant

Phase III (B) works

Owing to the expansion of academic and research activities of the Institute, it has become necessary to create additional academic and supporting infrastructure. Accordingly, the Institute has planned various works under Phase III (B). The proposal, amounting to ₹ 524.57 Crore has been sanctioned by Higher Education Financing Agency (HEFA) for construction works, and the works are presently under planning stage. The brief details are as follows: -

Sr. No.	Name of Work	Area (in Square Meter)
1	Academic PODs	40,000
2	Industrial Research Park	15,000
3	Industrial Design Building	1,000
4	Lecture Hall Complex	6,500
5	Student Activity Centre	4,000
6	Visitors Hostel	6,500
7	Residential Complex	14,300
8	Studio Apartment	9,270

Other Works under Civil Maintenance





Covering of Connecting Bridge and Railing of POD Building

Department Profiles

Department of Astronomy, Astrophysics and Space Engineering



About the Department

The Department of Astronomy, Astrophysics, and Space Engineering (DAASE), established in 2015, is the first interdisciplinary department of its kind in the IIT system. It offers PhD, M.Sc. in Astronomy, M.Tech, MS (Research), and B.Tech in Space Engineering. The department has thirteen regular faculty members, one INAE Distinguished Professor, and three visiting professors engaged in advanced research projects such as the Square Kilometer Array and Aditya-L1, funded by DST, DRDO, ISRO, and other agencies. DAASE collaborates with global universities and industry, with most alumni pursuing research or careers in relevant sectors.

The department is also contributing to the Heritage and Innovation Centre in Astronomy and Space Engineering (HICASE) to advance research and innovation in Madhya Pradesh. Currently, DAASE has 46 PhD scholars, 55 PG students, and 56 UG students. Our students engage in cutting-edge research and tech development in areas like Radio and X-ray Observations of Clusters of Galaxies, Machine Learning and Big Data; Sustainability Research, Space Weather and Ionosphere: Using GNSS, NaVIC and low-frequency radio astronomy, payloads, small satellites, detector design, data analytics, imaging, and high-end numerical simulations, targeting applications in climate change, sustainable development, agriculture, defense, communication, navigation, and astronomy.

Academic Programs

The academic programs consist of the MSc (Astronomy), MS (Research), MTech (Space Engineering), and PhD. In the MSc (Astronomy) program, students are admitted through JAM. The department also offers a minor degree for BTech students in Space Engineering.

Our vibrant group of faculty members aspires to create an ambience for the smooth pursuit of scholarly activities in research and training in the study of astronomy, astrophysics, and space engineering. By fostering a collaborative and innovative environment, we aim to inspire and support our students and researchers in exploring the mysteries of the universe. Our faculty provides high-quality education and mentorship, facilitating access to state-of-the-art facilities, and engaging in pioneering research projects. This commitment ensures that our students are well-prepared for successful careers in academia, industry, and research institutions worldwide, contributing to significant advancements in space science and technology.

Number of Faculty Members	13
Professor	01
Associate Professor	05
Assistant Professor Grade -I	07
Assistant Professor Grade -II	Nil
Visiting Professor/Inae Fellow	04
No. of Post Doctoral Fellows	01

Programs	Student Intake	Degree Awarded
B.Tech	56	Nil
M.Sc.	29	66
M.Tech	21	21
MS (Research)	5	9
PhD	46	27

Notable R&D Activities

DAASE faculty members work on several projects in the following areas:

1) **Heritage and Innovation Centre in Astronomy and Space Engineering (HICASE):** Contributing to the development of HICASE, aimed at advancing research and innovation in astronomy and space engineering.
2) **Research collaboration:** Research collaboration with RRCAT Indore.
3) **Astronomy and Astrophysics–** Connected to three Mega Science Projects of India – Square Kilometer Array (SKA), Thirty Meter Telescope (TMT), and LIGO India (Gravitational Wave Observatory) – Funding comes from DST, DAE, CSIR, and MoE (Ministry of Education)
4) **Space Technology -** Connected to a few Mega Science projects and space missions with ISRO – funding comes from ISRO, MoE, DST
5) **Earth and Atmospheric Sciences -** Connected to remote sensing applications and climate/weather studies – funding comes from DST, ISRO, MoES, etc.
6) **The Department has grown collaborations with industries who would like to use these facilities as well. The industries linked to us so far are:** Dhruva Space, Aerial IQ, Alog8, PierSight, GalaxEye Space, Impetus, Sunlife, etc.

Notable Activities in the Department

1) Our faculty members and students are working on various activities:
   i. Developed Space weather Adaptive Modelling framework (TRL 5) to complement in-situ measurements from Aditya L1, India's maiden mission to observe the Sun.
   ii. The first article on the Search for ExtraTerrestrial Intelligence (SETI) from DAASE was published in 2024 in the Monthly Notices of the Royal Astronomical Society, with significant contributions from DAASE members Priyatam Kumar (MSc Astronomy student) and Dr. Suman Majumdar (faculty).
   iii. Radar data processing open source software, "PYIWR," has been developed.
   iv. Investigated broadband variability and spectral emission from the neutron star X-ray binary Z-source using the Indian mission AstroSat and the NASA mission NICER, putting constraints on the stellar properties and accretion fluctuations.
   v. Digital backend development for the IIT Indore interferometer.
   vi. Urban tree mapping and biomass loss characterization for Indore.

vii. Participated in Indian Arctic Expedition in 2024 and 2025.

2) Large extramural funding from ANRF and National Quantum Mission.
3) International Linkages: 3 SPARC projects, 2 DST-SIRE projects, 1 Max Planck Partner Grant.
4) Several high-impact publications.
5) Organized international conferences: IPSC Conference, 2026.
6) **Capacity-building activities**, including workshops, National Space Day celebrations, and hands-on training sessions in astronomy and space engineering.
7) Active international research through **3 SPARC projects, 2 DST-SIRE projects**, and **1 Max Planck Partner Grant**.
8) Organized workshop **NTASS 2025, a SPARC course on Numerical Radiative Transfer**, led by Prof. Ilian T. Iliev, University of Sussex (UK), **two SPARC courses** on **'Cosmology at Multiwavelength'** led by Prof. Andrei Mesinger and Prof. Matteo Viel. Organized **two SPARC meetings** on **'Cosmology with SKA and Beyond'** and **'Cosmology at Multiwavelength'**. Organized an international conference and school titled **'Radio Cosmology and Continuum Observations in the SKA Era: A Synergic View'** with joint sponsorships from ICTS-TIFR and SPARC.
9) The **Best Research Paper Award 2026** was conferred upon Chandan Kumar Das, Bhargav Vaidya, Amit Shukla, Giancarlo Mattia, and Karl Mannheim for their research work titled "Role of Magnetic Reconnection in Blazar Variability Using Numerical Simulation."
10) The **Best Technology Award 2026** was awarded to Dr. Saurabh Das, Ranjan Kumar, Lakshya Rasaprolu, Vaibhav Tyagi, Lekhraj Saini, Kavita, and Parvathy Thankachy P for developing the "Low-cost Unmanned System for Profiling Air Pollutants and Atmospheric Parameters."
11) Mr. Abhijeet Datta was recognized for **Best Performance by Technical Staff Members**.
12) Mr. Leon Noble, a PhD student from the department received a prestigious **ICTP-STEP Fellowship** for a period of 3 years to conduct his research in collaboration with Prof. Matteo Viel in SISSA, Trieste, Italy.
13) Three PhD students – Leon Noble, D Manas Mohit and Yashrajsinh Mahida received prestigious **international travel grants** from Simons Foundation, USA.
14) PhD students received travel grants for the following conferences:
    - IGARSS 2025 – Visitors: Anam Sabir, Chumbitha Leena; Location: Brisbane, Australia; Dates: 3–8 August 2025.
    - APSAR 2025 – Visitors: Anam Sabir, Sakshi Jain; Location: Matsue, Japan; Dates: 5–9 October 2025.
    - InGARSS 2025 – Visitor: Sakshi Jain; Location: Bhubaneswar, India; Dates: 10–13 December 2025.
15) Dr. Suman Majumdar received an international travel grant and **visiting fellowship from ICTP**, Trieste, Italy.

Project

Project	Sponsored	Consultancy
NEW PROJECTS	8	-
ONGOING PROJECTS	18	-
COMPLETED	9	1

Publications

Details	Books Published	Chapters in Books	Papers in Conference	Papers in Journals
Total	1	5	42	48

Department of Chemical Engineering



About the Department

The Department of Chemical Engineering at the Indian Institute of Technology (IIT) Indore was founded in 2023, launching its flagship four-year undergraduate (B.Tech) program. It is a young, dynamic and growing center for academic excellence and cutting-edge research, and actively recruits research/PhD students. Currently, the department has twelve regular faculty members and five Visiting Distinguished professors, with research projects funded by ANRF-ECRG, DST-INSPIRE, Drishti CPS, and other agencies. It aims to be internationally recognized in the pioneering fields of chemical engineering such as Heterogeneous Catalysis, Soft Matter, Polymer, Complex Fluids & Rheology, Sustainability & Energy.

Academic Programs

The academic programs consist of BTech (started from AY 2023) and PhD (admitted through GATE and rigorous selection procedure). The department intends to start the M.Tech program in Autumn 2026. The curriculum focuses heavily on hands-on laboratory experience with state-of-the-art facilities available in the department, complemented with advanced computational toolset and workflows, and interdisciplinary flexibility.

Total Number of Faculty Members	
Associate Professor	1
Assistant Professor Grade-I	9
Assistant Professor Grade-II	2
Visiting Distinguished Professors	5
Technical and Administrative Staff	4

Programs	Students	Degree Awarded
PhD	1	0
B.Tech.	109	0

Grants Received

Grant	Awardee	Awarded to
Prime Minister Early Career Research Grant	Anusandhan National Research Foundation (ANRF)	Dr. Srashtasrita Das
Prime Minister Early Career Research Grant	Anusandhan National Research Foundation (ANRF)	Dr. Gaurav Chauhan
Prime Minister Early Career Research Grant	Anusandhan National Research Foundation (ANRF)	Dr. KVS Chaithanya
Chanakya PhD Fellowship	Drishti CPS foundation	Dr. Gaurav Chauhan
INSPIRE faculty Fellowship	Department of Science & Technology (DST)	Dr. KVS Chaithanya

Total external funding received amounted to ~₹1.93 Crore.

Notable Outreach Activities

- Dr. R. Kailasham was nominated by the R&D office of IIT Indore to the panel as an independent member and technical expert for professional and technical inputs for Opium & Alkaloid works, to assist the committee of Management (CoM), headed by the Addl. Secretary (Revenue) of Deptt. of Finance, Ministry of Finance.
- Dr. R. Kailasham was nominated to be on the National Advisory Committee of the International Conference on Advances in Sustainable Resources, Energy and Environmental Management (ASREEM 2.0), organized by SVNIT Surat in May 2026.
- Bureau of Indian Standards (BIS) student chapter with faculty mentor Preetika Karnal organized Malwa Chemical Conclave 2025, Quiz competition, and SafeFlex visit
- Dr. Abhilasha Maheswari was invited as Keynote Speaker: Water Network Optimization – Empowering Sustainable Water Networks through Innovation", held during 8th–9th December 2025 at IIT Hyderabad, Telangana, India.
- Department held a 2-week National Academic Immersion Program of MIT WPU, organized by Dr. Abhilasha Maheswari
- Dr. Abhilasha Maheswari organized a 2-day Workshop on Industrial Process Control & Optimization in the Department of Chemical Engineering, led by Mr. Sanjay Venugopal, Yokogawa Technology Solutions, Bangalore.
- Dr. Srashtasrita Das presented an invited department seminar talk at ICT Mumbai, IOCL Odisha, and KIIT University in October 2025, and at IIT Palakkad in May 2026.
- Dr. Preetika Karnal presented in International Nanotribology Forum 2026 and the Mechanical Sciences Young Investigators Meet 2026 at IIT Kanpur.
- Dr. Gaurav Chauhan presented his work at the CECAM workshop on Multiscale Modeling of Chemically Active Mixtures, Laussane, Switzerland.
- Dr. Srashtasrita Das delivered an invited talk at the Department of Chemical Engineering at the C V Raman Global University in Oct. 2025.
- Dr. KVS Chaithanya has given a presentation at CompFlu 2025 at IISc, Bengaluru.

- **School of Chemical Engineering UNSW, Australia** has agreed to discuss further for possibility of student exchange program with department of Chemical Engineering IIT Indore, initiated by Dr. Rajan Singh.

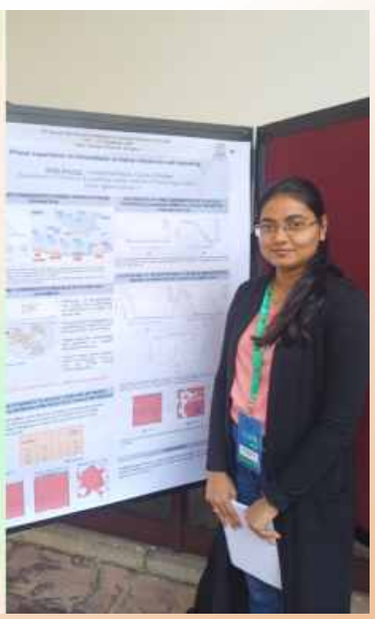
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1. **John J.** et al. "Magnetic Field Effects in Pickering Emulsions Stabilized by Magnetic Janus Particles" Langmuir (2026) 42 (12), 8301-8312.
2. **Kailasham R.**, "Dissipative Response of Driven bead-spring-dashpot chains". Physical Review E. (2026) accepted.
3. Yerasi, S., S. R., Puttanna, V. K., Vincenzi, D., Ravichandran, S., **Chaithanya, KVS**. "Nonlocal flow sampling enables vortex trapping of heavy particles" Physical Review Fluids (2026) under review.
4. **Chauhan, G.**, Wilkinson, E.G., Yuan, Y., Cohen, S.R., Onishi, M., Pappu, R.V. and Strader, L.C., "Active transport enables protein condensation in cells". Science Advances (2025) 11(21), p.eadv7875.
5. Cantrall, G.R., **Chauhan, G.** and Abel, S.M. "Crowding-induced collapse and adsorption of polymers with nonuniform bending stiffness". Soft Matter (2026).
6. Ojha, M., Kumar, Y., **Saxena, V.**, Tiwari, T., **Chauhan, G.** and Pushpavanam, K., Liquid‐Liquid Phase Separation to Fabricate Microgels of Recombinantly Expressed Proteins. Small (2026) 12, 15, e03643.
7. Mitra, G., Ghosh, S., Ruff, K.M., Zhang, R., **Chauhan, G.** and Pappu, R.V. "Distinguishing near-versus off-critical phase behaviors of intrinsically disordered Proteins". Reports on Progress in Physics (2026), in press.
8. Priyadarshinee, N., **Saxena, V.**, Kambekar, A., **Chauhan, G.** and Pushpavanam, K., "Spontaneous phase separation enables rapid, polymerization-free fabrication of dissolvable hydrogels". In Review at Langmuir. (2026)
9. Kaur, J., Xiao, X., **Karnal, P.**, Hui, C. Y., & Jagota, A. "A Layer-Based Model for Frictional Sliding of Pillar Arrays". Langmuir, (2026) 42 (7), 5440-5451
10. Bharucha, A., **Maheshwari, A.**, Prasad, V., Gudi, R. D. "Optimizing Asset Value and Operational Costs for Sustainability in Industrial Water Systems: A Case Study of a Steel Plant". Ind. Eng. Chem. Res. (2025) 64, 43, 20679-20691.
11. Singh, A., Singh, S., **Maheshwari, A.** "A proof-of-concept study towards developing digital twins for operational excellence in large-scale water distribution networks" Urban Water Journal (2025) 22, 5, 507-525.

Workshop/Conference/Presentations



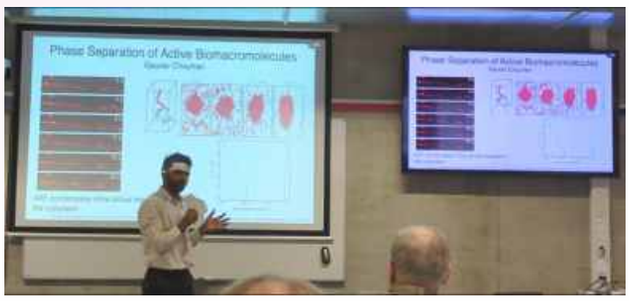




Students: Anagha Totade (BTech III year), Vidhi Saxena (PhD II year), and Mitanshu Kumawat (BTech III year) presented their work at the 19th Annual International Conference on Complex Fluids and Soft Matter (CompFlu 2025), along with Dr. KVS Chaithanya and Dr. Jacob John.



BIS sponsored the Department of Chemical Engineering for visit to the industry SafeFlex International Ltd.



Dr. Gaurav Chauhan presented his work at the CECAM workshop on Multiscale Modeling of Chemically Active Mixtures, Laussane, Switzerland.



Dr. Preetika Karnal at the Mechanical Sciences Young Investigators Meet 2026



Malwa Chemical Conclave, Dec 2025, the annual conference of the Chemical Engineering department with guest speakers from industries such as BIS, Moira Sariya, SafeFlex, and Fenton Chemicals.



Dr. Srashtasrita Das delivered an invited talk at the Department of Chemical Engineering at the C V Raman Global University in Oct. 2025

Department of Chemistry



About the Department

The Department of Chemistry at IIT Indore, established in August 2009, is rapidly growing, with research diversity, external funding, and several publications. We have 19 faculty members with research interests ranging from traditional areas (organic, inorganic, physical, and theoretical & computational) to highly interdisciplinary research areas such as nanotechnology, catalysis, energy, machine learning, biochemical, analytical, and materials. The department's faculty is exceptionally well qualified and motivated, with a solid commitment to teaching and research. Our department has state-of-the-art sophisticated instrumentation facilities to facilitate research in several chemistry and interdisciplinary research areas.

Academic Programs

The academic programs at the Department of Chemistry consist of courses for Ph.D., M.Sc., and B.Tech. undergraduate students. Research work in a plethora of fields ranging from Coordination Chemistry, Theoretical Chemistry, Synthetic Organic Chemistry, Supramolecular Chemistry, Solid-state Chemistry, and other Interdisciplinary fields make this department a significant center for cutting-edge research. The Department of Chemistry at IIT Indore is the only 2nd generation IIT built in India to introduce a two-year master's program in Chemistry (MSc Chemistry) wherein an entire year, especially the 2nd year of the program, is dedicated to laboratory research in the field of the student's choice. Since 2013, this unique program has devoted a whole year to solving fundamental research problems in the laboratory and giving exposure to students to decide if they would like to proceed with a doctoral program in their higher studies. This ensures that only qualified and motivated students pursue the doctoral program and contribute to the welfare of society. Additionally, students decide on their journey to a doctoral program or look for a lucrative job after completing a master's program at IIT Indore.

In alignment with the vision of NEP 2020, the department is also launching a Four Year Bachelor of Science (BS) program in Applied and Industrial Chemistry from the academic year 2026. The program aims to provide students with strong fundamental knowledge in Chemistry along with industrial relevance, interdisciplinary exposure, and skill-oriented training to meet emerging academic, research, and industry demands.

Programs	Student Intake	Degree Awarded
MSc	28	27
PhD	110 (Existing Strength)	12

Number of Faculty Members:	19
Professor	12
Associate Professor	05
Assistant Professor Grade-I	02
No. of Post-doctoral Fellows	08

Notable R&D Activities & Departmental Accomplishments

- Chemistry In-House Symposium on Feb 13, 2026.
- Academia-Industry Interaction/Collaboration with M/s DCM Nouvelle Speciality Chemicals; A meeting has been arranged on 9 July 2025 at Ujjain Plant for various R & D activities in the field of Speciality Amines for Pharma, Oil, Rubber Chemicals, Paints and other Sectors.
- GIAN course on "The Exciting Landscape of Precision Medicines and Next Generation 'Deep' Medicines" Dec 16-27, 2025.
- SPARC Workshop-Boron Neutron Capture Therapy: Treatment of Cancers, Dec. 4-15, 2025.
- Prof. Biswarup Pathak has been elevated as Institute Chair Professor, Since Jan 2026, for a period of two years, in which he will receive 1 lakh PA, which will boost research activities into the department.
- Prof. Debayan Sarkar received National Teacher's Award 2025 in Higher Education Institute Category from Hon. President of India.
- Prof. Debayan Sarkar has been granted a patent from Intellectual Property of India on "A portable kit for visible light photodynamic inactivation of microbes and method thereof" granted on date: 20-03-2026, Patent No. 584119





Projects

Project	Sponsored	Consultancy
New Projects	03	Nil
Ongoing Projects	16	Nil
Completed	12	Nil

Publications

	Books Published	Chapters in Books	Papers in Conference	Papers in Journals
Total	Nil	02	Nil	163

No. of Patents: 04

Department of Civil Engineering



About the Department

The Department of Civil Engineering has been functioning since 2016 with a focus on basic and applied research to solve real world problems. The Department offers a four-year course leading to a bachelor's degree in civil engineering and PhD in civil engineering. The faculty of civil engineering and students are actively involved in sponsored research projects funded by various organizations of the Government of India as well as industries/consultancy projects throughout the country and abroad. The Department has an active and dynamic faculty member team with international exposure having expertise in diverse fields of civil engineering like Structural, Geotechnical, Transportation, Water resource and Environmental engineering. The CE faculty has been recognized on different platforms across the world as committee chairs/members, outstanding reviewers, and editorial board members. The Department of civil engineering looks forward to establishing itself, nationally and globally, as a premier academic Center with active industry interaction and national/international collaborations.

Academic Programs

The Department runs BTech, MTech and PhD Programs in Civil Engineering. The Department also hosts Postdoctoral Fellows in various specializations, sponsored by the Institute, sponsored research projects and other agencies.

Programs Student Intake Degree Awarded

Programs	Student Intake	Degree Awarded
BTech	53	44
MTech	21	17
PhD	12	8

Number of Faculty Members: (Assistant/Associate/ Full Professors)	17
Professor	03
Associate Professor	03
Assistant Professor Grade-II	00
Assistant Professor Grade-I	11
No. of Post Doc Fellows	01

Notable Activities in the Department

1. Prof. Sandeep Chaudhary - Technical Seminar on Reimagining Construction Paradigms: Steel for the Next Generation, January 22, 2026, IIT Indore
2. Prof. Manish Kumar Goyal Featured in the list of Top 2% scientists in the world (prepared by Stanford University) in 2020, 2021, 2022, 2023, 2024 and 2025.
3. Prof. Manish Kumar Goyal has successfully established BIS Student Chapters across multiple departments, including Mathematics, Mechanical Engineering, Metallurgical and Materials Science, Computer Science, Civil Engineering, Chemical Engineering, and Electrical Engineering under the BIS–Institute MoU as BIS Standardization Chair Professor.
4. Prof. Manish Kumar Goyal successfully conducted The National Water Conference 2026 themed on "Advancing Water Resources for a Sustainable and Resilient Future," with over 150 participants on 24 March 2026. The conference brought together researchers, policymakers, and practitioners to deliberate on emerging challenges, innovations, and sustainable solutions in water resources management.
5. A research team led by Prof. Manish Kumar Goyal has developed a Climate Biodiversity Tool featured on DD News.
6. Prof. Neelima Satyam Devarakonda is appointed Institute Chair Professor in the Institute.
7. Prof. Neelima Satyam Devarakonda is awarded Best Women Engineer Award given by Association of Consulting Civil Engineers (India) Hyderabad Centre
8. Prof. Neelima Satyam Devarakonda is awarded AGU Natural Hazards Mitigation Award given by American Geophysical Union (AGU).
9. Prof. Neelima Satyam Devarakonda is awarded Best Teacher of Geotechnical Engineering Award given by Indian Geotechnical Society.
10. Prof. Neelima Satyam Devarakonda is awarded INSA Distinguished Lecture - 1 in Engineering and Technology section given by Indian National Science Academy.
11. Prof. Neelima Satyam Devarakonda is awarded IGS-YGE Best Paper Biennial Award in "Environmental Geotechnology" given by Indian Geotechnical Society.
12. Prof. Neelima Satyam Devarakonda is awarded Excellent Scientific Editor Award 2024 given by Journal of Rock Mechanics and Geotechnical Engineering.
13. Prof. Neelima Satyam Devarakonda is awarded Editorial Contribution Award & Author Service Award given by Springer Nature (IGJ).
14. Prof. Neelima Satyam Devarakonda has been granted sixth patent from the Geohazards Laboratory, IIT Indore.
15. Prof. Neelima Satyam Devarakonda has been conferred Honorary Membership of the Kazakhstan Geotechnical Society, a member society of the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE).
16. Dr Gourab Sil received Editor of Distinction Award, Scientific Reports, Springer Nature.

17. Dr Gourab Sil is appointed as Chair, IEEE ITSS Madhya Pradesh Chapter.
18. Dr Kaustav Bakshi has registered on the Scientific Reports Editorial Community.
19. Dr. Priyank J. Sharma is awarded "Springer Nature Editor of Distinction Award 2026" for contribution as an Editorial Board Member to the Scientific Reports journal.
20. Dr. Priyank J. Sharma is awarded "Excellence in Teaching for the year 2025" for being the second-best Teacher in a large class size at IIT Indore.
21. M. Tech. (WCS) Student, Mr. Suyash Shukla, is awarded ISH Best M. Tech. Thesis Award 2025 by the Indian Society for Hydraulics in December 2025.
22. Dr. Ashootosh S. Mandpe is Awarded Best Review Paper Award (2025–26), IIT Indore for the publication "Evaluating Recent Developments in Utilizing Organic Waste for Biofuel Production – A Comprehensive Review."
23. Dr. Ashootosh S. Mandpe included in the National Level Committee as a member of the Civil Engineering Department's 'CED 24' – Public Health Engineering Sectional Committee of the Bureau of Indian Standards (BIS).
24. Veena N. Bhajantri, a PhD Student, received Best Research Presentation and Best Teaching Demonstration Awards at TLS Workshop, IIT Delhi, for research excellence.
25. Mr Nikhil Kumar Pandey, Research Scholar, awarded the Madhya Pradesh Young Scientist Award (Civil Engineering category) at the 41st MP Young Scientist Congress.
26. Dr. Akshay Pratap Singh has secured project under the Prime Minister Early Career Research Grant Scheme (PM ECRG) by ANRF.
27. The Environmental Engineering Laboratory have achieved outstanding success in the IEEE GRSS World Environment Day 2025 Challenge.

R&D Activities

The Department has expertise in various sub streams of civil engineering like Structural, Geotechnical, Transportation, Water resource and Environmental engineering.

Projects

No. of Projects	Sponsored	Consultancy
New Projects	19	61
Ongoing Projects	23	22
Completed	4	26

Publications

Details	Books Published	Chapters in Books	Papers in Conference	Papers in Journals
Total	8 + 5 (Edited Books)	19	42	107

Department of Computer Science and Engineering



About the Department

The Department of Computer Science and Engineering (CSE) was set up in July 2009. The department offers Bachelor of Technology (B. Tech.), Master of Science (M. S.) by Research, Master of Technology (M. Tech.) and Doctor of Philosophy (Ph.D.) programmes. From 2024 the department offers interdisciplinary dual degree MTech. The department adopts a modern approach to teaching wherein students are rendered in adequate academic freedom to innovate and learn in the process. The state-of-the-art facilities including the latest software and advanced hardware are available in various laboratories for use in both teaching and research. This facilitates adequate implementation of major B.Tech., MS (Research) and Ph.D. projects and for verification and validation of research results. The department benefits from the location of the Institute. Indore is fast developing into a major IT hub in central India. Organizations like CSC and Impetus have a strong presence in the city and major players like TCS, Infosys, and other major IT organisations have set up their offices here. For the Department of CSE, this provides an excellent opportunity to foster industry-academia partnerships.

Vision and Mission

Vision: The Department of Computer Science and Engineering is looking to become a leader in fundamental and applied research on cutting edge technologies and know-how in the area of IT and Computer Science. It aims to become a top destination for knowledge dissemination in its field. The department has a very talented pool of faculty and support staff that facilitate its steady progress in this direction.

Mission: To stay ahead of the curve in the use and dissemination of knowledge on evolving technologies.

Academic Programs

The Department of Computer Science and Engineering (CSE) offers academic programs leading to Bachelor of Technology (B.Tech.), Master of Science by Research (M.S. by Research), Master of Technology (M.Tech.) program. and Doctor of Philosophy (Ph.D.) degrees. As of July 2026, the department has graduated a total of 783 B.Tech., 47 M.S. by Research, 31 M.Tech. and 59 Ph.D. students. Currently, it hosts 258 B.Tech., 27 M.S. by Research, 21 M.Tech., and 75 Ph.D. students.

Number of Faculty Members:	21
Professor:	08
Associate Professor:	04
Assistant Professor Grade-I:	7
Assistant Professor Grade-II:	2
No. of Post-doctoral Fellows:	Nil

Programs	Intake	Degree Awarded
B.Tech.	80	783
M.S. Research	12	47
M.Tech.	16	31
Ph.D.	NA	59

Notable R&D Activities

Prof. Kapil Ahuja

- Total funding worth Rs. 0.75 Crore received from four new research projects.
- More than half of this funding is from USA agencies, and rest from Indian agencies.
- Best performing (compared to literature) algorithms proposed for breast, thyroid, and cervical cancer classifications with work published in reputed journals.
- Best performing (compared to literature) algorithm proposed for phenotypic and genetic correlation of plant data with application to soybean, rice, and sorghum.

Dr. Ayan Mondal

- Course Co-Coordinator and Instructor, "AI for IoT and Cyber Security," NPTEL+Program, May 23-24, 2026.
- Course Co-Coordinator and Instructor, "Next-Gen Cybersecurity: Preparing for the Post-Quantum Era," in association with Dept. of CSE, IIT Indore and IEEE Student Branch, IIT Indore, July 1-2, 2025.
- Course Co-Coordinator and Instructor, "Emerging Technologies in Advanced Composite Materials: Modelling, Manufacturing, and Testing," AICTE-QIP-PG Certificate Programme (along with Mechanical Department, IIT Indore), January-June, 2026 (Hybrid mode).
- Associate Editor, International Journal on Semantic Web and Information Systems (IJSWIS), IGI Global.
- Associate Editor, International Journal of Cloud Applications and Computing (IJCAC), IGI Global.

Projects (from June 2025 to May 2026)

Project	Sponsored	Consultancy
New Projects	7	2
Ongoing Projects	12	-
Completed	6	-

Publications (from June 2025 to May 2026)

	Patent	Books Published	Chapters in Books	Papers in Conference	Papers in Journals
Total	4	1	11	22	36

Department of Electrical Engineering



About the Department

Department of Electrical Engineering at the Indian Institute of Technology Indore, established in 2009, envisions providing the guidance and conducive learning environment necessary to mold young minds to become technology experts, leaders, and high-quality professionals. Apart from 24 faculty members and 8 support staff, the EE Department currently has around 330 UG students, 73 PG and about 93 Doctoral students actively enrolled. The department is ranked highly at the national level, with 1500+ publications having a combined citation count of 60000+ citations. In the short span of 15 years, since inception, the department has successfully executed 100+ research projects sponsored by various national and international agencies with a combined funding to the tune of more than INR 32 Crores. Furthermore, around 26 patents have been granted and several more have been filed. The department has proudly graduated a total of around 1200 students to date and hopes to continue its journey onward in the pursuit of excellence. At present the department faculty members and students are actively engaged in research in Instrumentation, Robotics & Control, VLSI Design, Nanoelectronics & Photonics, Power Systems, Power Electronics & Machine Drives, RF & Microwave, Communications, Networks & Signal/Image Processing, and Artificial Intelligence & Quantum Technology.

Academic Programs

The department's vision is to impart quality education and promote interdisciplinary, industry-oriented, advanced scientific research to address the challenges and develop future technologies relevant to industrial and societal requirements. The department offers undergraduate (B.Tech.), postgraduate (M.Tech. in Communication and Signal Processing, M.Tech. in VLSI Design and Nanoelectronics, M.Tech. in Power Systems and Power Electronics and M.S. by Research), and doctoral (Ph.D.) programs.

Total Number of Faculty Members	24
Professor	12
Associate Professor	02
Assistant Professor Grade-II	02
Assistant Professor Grade-I	08

Programs	Student Intake (2025-26)	Degree Awarded
B.Tech.	83	90
M.Tech. (CSP)	14	11
M.Tech. (VDN)	15	10
M.Tech. (PSPE)	10	-
M.S. (Research)	07	05
Ph.D.	13	11

Projects

Project	Sponsored	Consultancy
New Projects	10	02
Ongoing Projects	34	00
Completed (June 2025 – May 2026)	12	2

Publications (June 2025 – May 2026)

Details	Books Published	Chapters in Books	Papers in Conference	Papers in Journals
Total	01	09	103	172

School of Humanities and Social Sciences



About the School

The School of Humanities and Social Sciences at IIT Indore is an exciting and vibrant place for research and pedagogy. The faculty members of the school are an eclectic mix of researchers from the varied disciplines of Economics, English, History, Philosophy, Psychology and Sociology. We have 16 faculty with 3 members as Honorary Professor, Distinguished Visiting Professor and Visiting Professor. A total of 67 PhD students are currently working on exciting projects and research problems. The research collaborations of the faculty members, whether within the school, or across the Sciences and Engineering disciplines at the Institute, or those with colleagues both nationally and internationally, demonstrate the truly interdisciplinary nature of the research conducted at the school.

Academic Programs

The School of Humanities and Social Sciences has three main academic programs namely PhD, MA (Literature and Linguistics) and MS (Research).

The MA English (Literature and Linguistics) programme provides a unique blend of literary and linguistic disciplines through a research- and practice-oriented syllabus grounded in strong theoretical foundations.

PhD Program comprises course work and rigorous dissertation work. Our students have won prestigious national and international scholarships, fellowships, and awards. The graduated students have gone on to excel in their chosen careers.

Number of Faculty Members	
Professor	3
Associate Professor	6
Assistant Professor Grade-I	7
Assistant Professor Grade-II	1

Notable R&D Activities

1. **Prof. Ruchi Sharma** is currently serving as an invited expert member for the World Intellectual Property Organization (WIPO) on a project focused on Non-Agricultural Geographical Indications, evaluating its socio-economic impact on local communities and traditional craftsmanship.
2. **Prof. Nirmala Menon** has received an ANRF ARG grant for a Research project : Approx 1.7 crores; JPN Centre has been recognized as the CLARIN K-Centre (Knowledge Centre) for EU's Digital Humanities Research Infrastructure CLARIN.
3. **Prof. Nirmala Menon** has been elected to the Global Advisory Board of DHNow a global forum on Digital Humanities https://digitalhumanitiesnow.org/global-advisory-board/
4. **Prof. Ashok K. Mocherla** has been a Visiting Fellow at the Department of Cultural and Religious Studies, The Chinese University of Hong Kong (CUHK), June- July 2025
5. **Prof. Ananya Ghoshal** has been awarded the TESOL Workshop Scholarship from the TESOL International Association, Alexandria, USA. In 2025-2026, her research has also been supported by IIT Indore's International Travel Grant Award to enable a collaboration with the University of Michigan, Ann Arbor, USA.
6. **Prof. Mohanasundari** received the ANRF International Travel Grant to present her research at the US Society for Ecological Economics Conference hosted at Oberlin College, organized from June 17-21, 2026.
7. **Prof. Dishari Chattaraj** published a monograph titled Food Literacy, Curriculum, and The Global South: Examples from South Asia (2025, Palgrave Macmillan) based on her IITI Seed Grant Research project.
8. **Prof. Kedarmal Verma's** research project was approved under ANRF-IRG scheme of Government of India with budget funding of approximate 60 lakhs.
9. **Prof. Dishari Chattaraj** and her student, Prasann Naik, received the ASHDRA Dictionary Research Grant (2025-2027) from the AS Hornby Education Trust UK to develop a dictionary promoting inclusive language education at the school level.
10. **Prof. Dishari Chattaraj** and her student, Aayushi Chatterjee, received the Best Research Paper Award for their work in the field of critical food studies at the 17th Foundation Day at IIT Indore.
11. **Dibya Prakash Panda** (Supervisor: **Prof. Thapasya**) has received Prof. Colin P. Masica Award 2025 in the category of India as a Linguistic Area and Pedagogical Linguistics, for their paper titled "Negation in Odia Varieties: A Reflection of the Linguistic Area."

Projects

Project	Sponsored
New Projects	7
Ongoing Projects	17
Completed	11

Publications

	Books Published	Chapters in Books	Papers in Conference	Papers in Journals
Total	04	16	27	117

Department of Mathematics



About the Department

The Department of Mathematics at IIT Indore has been a major center for academic and research programs in various branches of Mathematics. The Department has constantly been engaging in frontier research areas and been encouraging collaborative research with the other Science and Engineering Departments.

Number of Faculty	
Professor	06
Associate Professor	07
Assistant Professor Grade-I	07
Assistant Professor Grade-II	01
No. of Post Doctoral Fellows	04

Academic Programs

The Department currently offers PhD, MSc programs in Mathematics and B.Tech programme in Mathematics and Computing. The department envisages other master programs in allied fields, such as statistics and applied computing.

Programs	Student Intake	Degree Awarded
MSc (Mathematics)	20	19
PhD	12	9
B.Tech	40	NA

Notable R&D Activities

- The 2nd International Conference on Applied Mathematics and Mechanics (ICAMM 2026) will be held at IIT Indore, India, during December 3-5, 2026. (Dr. Santanu Manna)
- IEEE CIS Workshop on Cyber-Physical Systems: Research Outlook and Collaboration Opportunities, February 27, 2026, IIT Indore. (Prof. M. Tanveer)

- GIAN Course on Solving Linear Systems and Computing Generalized Inverses Using Recurrent Neural Networks, June 09-19, 2025, IIT Indore, India. (Prof. Sk. Safique Ahmad)
- Indian Institute Of Technology Indore under the aegis of BIS is organizing a workshop on Mathematical Applications in Engineering December 03, 2025 (Wednesday). (Dr. Vijay Kumar Sohani)

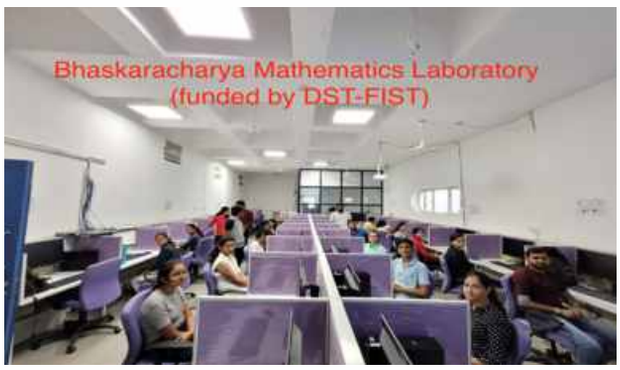
Projects

Project	Sponsored	Consultancy
New Projects	04	Nil
Ongoing Projects	19	Nil
Completed	24	Nil

DST-FIST support

Bhaskaracharya Mathematics Laboratory
Brahmagupta Mathematics Library





Publications

	Books Published	Chapters in Books	Papers in Conference	Papers in Journals
Total	17	23	33	427

Further, the department is also engaged in promoting Mathematics among college teachers, postgraduate & undergraduate students in India through various outreach activities, like short-term courses, Webinars, Student seminar Series, etc. The department regularly organizes lectures by eminent mathematicians from reputed institutes around the world.

For more details, please visit http://math.iiti.ac.in.

Department of Mechanical Engineering



About the Department

The Department of Mechanical Engineering, one of the oldest and largest at our Institute, features 28 full-time faculty and over 10 administrative and technical staff. Our curriculum emphasizes Science, Engineering, and Technology, focusing on technical skills, problem-solving, and fostering innovation. We offer state-of-the-art research facilities to support academic and research programs. Our primary goal is to provide high-quality education, equipping students with a strong foundation and specialized training to meet current and future demands. We are committed to shaping capable engineers who will advance the field of mechanical engineering.

Academic Programs

The Department of Mechanical Engineering offers BTech, MTech, MS (Research), and PhD programs, including dual degrees. With over 335 UG, 86 PG and 67 PhD students, it provides a dynamic academic environment. It also hosts postdoctoral fellows and personnel from DRDO, armed forces, and various sectors. The MTech programs cover Advanced Manufacturing, Mechanical System Design, and Thermal and Energy Systems. International students from countries like Nepal and Nigeria contribute to a global learning atmosphere. The department is dedicated to academic excellence, research innovation, and developing engineers who will significantly impact the field.

Number of Faculty Members:	28
Professor	13
Associate Professor	7
Assistant Professor Grade-II	1
Assistant Professor Grade-I	7
No. of Post Doc Fellows	3

Programs	Student Intake	Degree Awarded
BTech	81	84
MTech	31	45
MS Research	3	6
PhD	7	4

Notable R&D Activities

The Department of Mechanical Engineering has undertaken numerous research projects for organizations such as DRDO, ISRO, John Deere (India), and Simple Energy Private Limited. Equipped with state-of-the-art research facilities, the department has hosted Short-Term Programs (STPs) and Faculty Development Programs (FDPs) for professionals and academics. Key research includes developing micro-plasma transferred arc (μ-PTA) processes for additive manufacturing, biocompatible knee implants, fault detection algorithms for wind turbine gearboxes, and lead-free triboelectric nanogenerators for energy harvesting. Other contributions include soft robotics, thermal management using phase change materials, ceramic coatings, reliability testing of shape memory alloy springs, nanoglass research, and biomechanical analysis of root canal preparation.

Projects

Project	Sponsored	Consultancy
New Projects	23	05
Ongoing Projects	10	12
Completed	102	72

Publications

Details	Books Published	Chapters in Books	Papers in Conference	Papers in Journals
Total	3	6	66	183

Mehta Family School of Biosciences and Biomedical Engineering



About the School:

The Mehta Family School of Biosciences and Biomedical Engineering (BSBE) at Indian Institute of Technology Indore is an interdisciplinary center dedicated to advancing education, research, and innovation at the interface of biology, engineering, medicine, and data science. Established with a vision to address emerging healthcare and biomedical challenges, the school focuses on areas such as biomedical engineering, AI in healthcare, bioinformatics, molecular biology, medical devices, biosensors, and drug discovery. The school promotes cutting-edge translational research, industry collaborations, and entrepreneurship to develop impactful healthcare technologies. With strong emphasis on innovation, precision healthcare, and biomanufacturing, the school aims to become a leading hub for biomedical research and innovation in India and beyond.

Academic Programs:

The academic programs consist of the MSc (Biotechnology), M.Tech. (Biomedical Engineering), M.Tech. (Biomedical Devices) and PhD. In the MSc (Biotechnology) program, students are admitted through JAM & GAT-B.

M.Tech (2-Year), M.Tech. + Ph.D. Dual Degree in Biomedical Engineering started from AY 2023-2024 while M.Tech (2-Year), M.Tech. + Ph.D. Dual Degree in Biomedical Devices commenced from AY 2025-2026. The M.Tech. in Biomedical Device program is supported by the Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, while the MSc (Biotechnology) program is supported by the Department of Biotechnology, GoI. The school also offers a minor degree for BTech students in Biomedical Engineering. The school will launch a B.Tech. program in Biomedical Engineering and Data Science from AY 2026-27.

Our vibrant group of faculty members aspire to create an ambience for the smooth pursuit of scholarly activities in research as well as training on the study of life and living organisms, ranging from simple bacteriophage to complex multicellular organisms such as humans; with the focus being on structure, function, growth, origin, evolution, distribution, and taxonomy. In addition to basic biology research, the Mehta Family School of BSBE seeks to contribute to applied research on practical problems in the country.

Number of Faculty Members	13
Professor	06
Associate Professor	03
Assistant Professor Grade- I	04
Assistant Professor Grade -II	00
No. of Post Doctoral Fellows	03

Programs	Student Intake	Degree Awarded
MSc	20	20
M. Tech BME	08	08
M. Tech BMD	27	0
PhD	18	10

Notable R&D Activities:

- Prof. Avinash Sonawane has successfully transferred his technology to D.K. Pharmachem Pvt. Ltd.
- Dr. Parimal Kar, Dr. Sourav Chandra, Dr. Ayan Mondal and Dr. Somnath Dey established a start-up (Automated Patient Screening Services Pvt. Ltd.)
- Prof. Amit Kumar's research group has identified several potent drugs for which seven different patents are filed and some of them are also granted.
- Prof. Prashant Kodgire's group's recent study is the first report on the interaction of genome mutator enzyme AID with UBN1, nevertheless, the fate of interaction between UBN1 and AID is yet to be explored in the context of SHM or CSR.
- Dr. Parimal Kar's research group has identified novel inhibitors for neurodegenerative diseases targeting dual leucine zipper kinase through virtual screening and molecular dynamics simulations.
- Dr. Baig's research has introduced a novel mechanism in understanding the host's response to infections and has contributed to the search for innovative therapeutic targets in chronic inflammatory diseases and cancer. This research encompasses innovative small molecules, peptides, and combination therapies.
- Dr. Hem C. Jha has filed patents for screening of virus induced Neurological disorders, and their treatment.

Projects

Project	Sponsored	Consultancy
New Projects	10	NIL
Ongoing Projects	22	NIL
Completed	28	01

Publications

Details	Books Published	Chapters in Books	Papers in Conference	Papers in Journals
Total	01	09	09	93

Mehta Family School of Sustainability Department of Sustainability



About the Department

The Mehta Family School of Sustainability is established in July 2025 with a novel concept of undertaking research, academic and outreach activities in the interdisciplinary domain of "Sustainability" from three core verticals of Environmental Economics, Energy Systems and Water and Climate Systems.

The specific research areas include:

(i) Environmental Economics: Climate change economics, Sustainable development, Environmental policy, natural resource economics (land, water, forests, fisheries, etc.), Economic valuation and impact assessment, circular economy and waste management, and energy economics, computational sustainability.

(ii) Energy Systems and Battery Technology: Novel battery chemistries (Solid-State, Sodium-ion, Mg-ion, Li-S) Advanced battery materials (high capacity, graphene based, quantum dot) Computational Materials Science, Molecular Modelling, Energy Storage Systems, Energy Conversion, Carbon Capture, Water Desalination, ML/AI.

(iii) Water and Climate Sustainability: Flood Hydrology, Hydrologic Extremes, Resilience of River Basins and Hydrological Modeling, Hydro-climatology and Statistical Downscaling, Irrigation Management and Crop Modeling Applications, Multivariate Statistical Analysis, Machine Learning Models and Data Mining, IoT and Ai for Sustainability, air pollution and water pollution and their monitoring and treatments.

Academic Programs

The School has 6 Core Faculty Members and 10 Associate Faculty Members. The school runs MTech in Water, Climate and Sustainability, and has also started PhD Program. The School has launched first of its kind BTech in Environmental Economics and Sustainable Engineering with admissions commencing from July 2026 through IIT-JEE.

Number of Faculty	
Professor	2 + 1 (Core member and affiliated with Parent Dept)
Associate Professor	1 (Core member and affiliated with Parent Dept)
Assistant Professor Grade-I	2
Assistant Professor Grade-II	-

Notable R&D Activities

1. Workshop on Advancing Environmental Humanities and Sustainability, 18 December 2025.
2. Symposium on Ecology, Governance and Technology: Intersections from the Lenses of Environmental Humanities and Sustainability 12–13 February 2026.
3. Hands-on Workshop on Environmental Monitoring of Microplastics, Heavy Metals and Pesticides 05–19 January 2026.
4. International Workshop – Insights into Microplastics in Aquatic Environments, 02–06 March 2026.
5. International Water Conference on April 22, 2026, at IIT Indore
6. Prof. Pritee Sharma invited as Keynote Speaker at Sustainable Mobility Conclave 2025, 5–6 September 2025, NATRAX Indore
7. Paper presented on "Forests as India's Biodiverse Carbon Sink at the Pre-COP 30 Workshop – Towards Climate Resilience and Ecological Integrity 14–15 October 2025, Divecha Centre for Climate Change, IISc Bangalore, by Prof. Pritee Sharma
8. Prof. Pritee Sharma was nominated by IIT Indore to present the "Role of Democarcy in Sustainable Development", held at India International Conference on Democracy and Election Management (IICDEM 2026), 21–23 January 2026, New Delhi
9. Indo–Max Planck Workshop – TheSys 2026 (Thermodynamics for Climate, Water and Urban Systems Sustainability) 9–11 March 2026, Kotak School of Sustainability, IIT Kanpur
10. Dr Pankaj Dey presented his paper on Climate-Driven Transformations in Flood Hydrograph Characteristics in a Mountainous Catchment (No. EGU26-503) at the Copernicus Meetings
11. Dr Abhishek Agrawal presented "Designing High-Performance Energy Storage Systems for Decarbonization", at the International Symposium on Advanced Materials - 2026 (ISAM-2026), Sustainable Energy Engineering & Chemistry, IIT Kanpur, March 6-7 2026

Project	Sponsored
New Projects	1
Ongoing Projects	15
Completed	-

Publications

	Books Published	Chapters in Books	Papers in Conference	Papers in Journals
Total	-	5	9	7

Department of Metallurgical Engineering and Materials Science



About the Department

The department was started as the Center of Materials Science and Engineering in 2013 and then established as the Department of Metallurgical Engineering and Materials Science (MEMS) in 2016. The department focuses on carrying out interdisciplinary research in Materials Science and Metallurgy to find solutions for intricate real-world problems that benefit society. Presently, the department has 18 core faculty members along with 6 supporting staff. Our collective goal is to understand the synthesis, processing, and characterization of several classes of materials and then correlate the properties towards enhancing their performance. MEMS faculty members are working in research areas ranging from conventional metallurgy to modern materials science.

Academic Programs

The department offers various programs at the UG and PG levels. It offers B. Tech in Metallurgical Engineering and Materials Science, M. Tech in both (i) Materials Science and Engineering, (ii) Metallurgical Engineering, and a PhD Program. The department covers a variety of courses, including basic science and engineering, along with advanced-level elective courses.

Our vibrant group of faculty members aspire to create an environment conducive to the smooth pursuit of scholarly activities in research and training within the field of Metallurgy and Materials Science. Our focus spans the study of materials ranging from simple alloys to complex composite materials, with an emphasis on their structure, properties, processing, and performance. We aim to understand the fundamental principles governing the behavior of materials and apply this knowledge to develop innovative solutions for practical problems. In addition to fundamental research, the Metallurgy and Materials Science department is dedicated to contributing to applied research that addresses the practical challenges faced by various industries.

Number of Faculty Members:	21
Professor	03
Associate Professor	08
Assistant Professor Grade-I	10
Assistant Professor Grade-II	Nil
No. of Post Doctoral Fellows	02

Programs	Student Intake (2024)	Degree Awarded (2024)
B. Tech	53	47+4 (if they may pass)
M.Tech	15	13
Ph.D.	15	2

Notable R&D Activities

Nil

Projects

Project	Sponsored	Consultancy
New Projects	13	02
Ongoing Projects	35	02
Completed	Nil	Nil

Publications

Details	Books Published	Chapters in Books	Papers in Conference	Papers in Journals
Total	Nil	3	2	97

Department of Physics



About the Department

The Department of Physics has been a vibrant and flourishing department since the inception of the Institute in 2009. It currently comprises 20 faculty members with expertise spanning a wide range of areas, including condensed matter physics, high energy physics, black hole physics, gauge/gravity duality, complex networks and Quantum Cryptography and many more. The department is equipped with state-of-the-art research laboratories that have continually evolved to support cutting-edge research. These facilities play a vital role in promoting innovation and technological advancement among our young researchers.

Academic Programs

Since 2009, the Department of Physics has offered a Ph.D. program, followed by an M.Sc. program launched in 2013. To date, we have proudly graduated over 86 Ph.D. and 217 M.Sc. students. Our Ph.D. and M.Sc. graduates have secured positions at prestigious institutions worldwide, actively contributing to research and higher education.

In 2023, we introduced an undergraduate B.Tech program in Engineering Physics, beginning with an inaugural class of 20 students. Additionally, the department collaborates with the Department of Mechanical Engineering and Department of Astronomy & Astrophysics, to offer an M.Tech program in Applied Optics and Laser Technology. Committed to hands-on research experience across all academic levels, the department has established more than 18 advanced research laboratories, each dedicated to a specific branch of physics. These facilities provide students with exceptional opportunities for learning and innovation.

Aligning with the objectives of the recently announced National Quantum Mission by the Government of India, we have introduced elective courses into Quantum Technology, both, at the UG and PG levels. Given the interdisciplinary nature of this program, the Department of Physics also collaborates closely with the Department of Computer Science and Engineering in running an institute level elective course.

NUMBER OF FACULTY MEMBERS:	20
Professor - HAG	03
Professor	07
Associate Professor	04
Assistant Professor Grade-I	05
Assistant Professor Grade-II	01
No. of Post Doctoral Fellows	05

Programs	Student Intake	Degree Awarded
B.Tech (Engineering Physics)	20	–
MSc	26	25
PhD	18	13

Notable Activities of the Department

The department prides itself on fostering a highly collaborative research environment that encourages close interactions across various departments at IIT Indore, as well as with renowned national and international institutions. We maintain active collaborations with prestigious organizations such as IISc Bangalore; IIT Bombay, Delhi, Madras, Kanpur, Ropar, and Hyderabad; RRCAT Indore; BARC Mumbai; IISER Kolkata, Pune, and Berhampur; HRI Allahabad; Central Universities of Pune, Mumbai, Allahabad, and Calcutta; SNB-NCBS Kolkata; and SNIP Kolkata.

On the international front, our collaborations span leading universities and research centers including the University of Cambridge, University of Oxford, Stanford University, Michigan State University (USA), Penn State University (USA), CUNY (USA), Leibniz University of Hannover and University of Duisburg-Essen (Germany), Rutherford Appleton Laboratory and ISIS Facilities (UK), TU Berlin and TU Dortmund (Germany), Queen Mary University London (UK), LMU Munich (Germany), Bern University (Switzerland), Osaka University (Japan), NTU (Singapore), Complexity Science Institute - CNRS (Italy), and Instituto Superior Técnico, Lisbon (Portugal).

The department takes great pride in its academic excellence, exemplified by the appointment of one of its faculty members to an Institute Chair Professorship at IIT Indore. Several faculty members serve as editors of reputed international journals, have received prestigious international honors, and play key roles in national-level scientific committees and academic bodies.

Demonstrating our commitment to impactful research, the department contributed significantly to submitting a multi-institutional research proposal under the DST India PAIR scheme.

Projects

Project	Sponsored	Consultancy
New Projects	09	Nil
Ongoing Projects	20	Nil
Completed	17	Nil

Publications

Details	Books Published	Chapters in Books	Papers in Conference	Papers in Journals
Total	02	03	29	185

School of Innovation



About the School

The School of Innovation at IIT Indore is a dynamic hub for creativity, research, and real-world impact. This department aims to create value through innovation and provide comprehensive solutions to urgent social problems in identified priority areas. The areas have been chosen from national priorities and those in Mission Mode with the objective of making an impact through designing the complete eco-system of the product, and ensuring its implementation on a national scale. The four areas of specialisation are: Urban Systems, Educational Technologies, Healthcare Systems, and Sustainable Energy Systems. The School of Innovation at IIT Indore is seen as an Interdisciplinary and Collaborative Research Environment, making full use of the faculty expertise and capabilities across various Departments of IIT Indore to focus on formulating comprehensive solutions to urgent and major problems.

Academic Programs

The Bachelor of Design (B.Des) programme at the School of Innovation, IIT Indore, is an interdisciplinary and practice-oriented programme designed to nurture creativity, systems thinking, critical inquiry, and real-world problem-solving. Students are admitted through UCEED (Undergraduate Common Entrance Examination for Design), and the programme enrols 16 students, enabling close mentorship, collaborative learning, and studio-based engagement.

The first year serves as a foundation year, introducing students to core areas. From the second year onwards, students choose one of the School's specialisation areas based on their interests and academic aspirations: Urban Systems, Educational Technologies, Healthcare Systems, and Sustainable Energy Systems. The programme combines inputs from in-house faculty, interdisciplinary experts from various IIT Indore departments, and visiting professionals from industry and creative practice. Through this approach, students develop the ability to integrate design, technology, systems thinking, and societal understanding to address contemporary challenges through innovation.

Number of Faculty Members:	**04**
Visitng Distinguished Professor	01
Professor	00
Associate Professor	01
Assistant Professor Grade-I	01
Assistant Professor Grade-II	01
No. of Post Doctoral Fellows	00

Programs	Student Intake	Degree Awarded
BDes	16	00

Projects

Project	Sponsored	Consultancy
New Projects	00	00
Ongoing Projects	01	00
Completed	00	00

Publications

Details	Books Published	Chapters in Books	Papers in Conference	Papers in Journals
Total	00	00	01	00



Prof. Kirti Trivedi
Visiting Distinguished Professor
Master of Design (M.Des) degree from the Royal College of Art, London

Research Area and Highlights: The initiator and the founder of India's first Master of Design Programme in Visual Communication in 1981; Kirti Trivedi (born 1948, Gwalior, India) is a former Professor from the Industrial Design Centre, IIT Bombay. After a degree in Mechanical Engineering, he did postgraduate studies in Industrial Design from IIT Bombay, and the Royal College of Art, London. In 1981, he worked as a UNESCO Fellow in Japan, under the guidance of Prof. Kohei Sugiura, and was introduced by him to the intellectual depth and the richness of Asian Design. He has been engaged in research and documentation of the classical design traditions of India and Asia since 1984, with several publications on Indian Design Traditions. Besides teaching and design research, he is active as a design consultant in the areas of graphic design, book design, exhibition and museum design, environmental graphics, signage, and product design: with numerous publications and awards both nationally and internationally. His current research is in developing appropriate interaction design solutions for Indian needs based on emerging technology possibilities; and in understanding Asian Design. He is India's leading Museum and Exhibition Designer, with many important projects: The Permanent Exhibition of Mahatma Gandhi's Life and Philosophy 'My Life is My Message' at Sabramati Ashram, Ahmedabad; 'Vinoba Darshan' a permanent exhibition on the Life and Philosophy of Acharya Vinoba Bhave at Gopuri, Wardha; CSIR India Exhibition in Singapore; 'The Way of Asian Design' at NTU, Singapore; 'The Forms of Everyday Asia' at School of ADM, Singapore; and 'National Salt Satyagraha Memorial' at Dandi. Prof Trivedi has been collecting material and references on Raja Bhoja for over 30 years; and has a unique concept of how to present the contributions of this great Paramara King to the World.



Dr Chetan Shastri
Associate Professor
chetanshastri@iiti.ac.in
PhD, RMIT University, Melbourne

Research Area and Highlights: Dr Chetan Shastri's creative practice-based research focuses on designing for the two significant life events (birth and death), for the time experienced (ecology and society) that we are inserted into.



Dr. Pallavi Rani
Assistant Professor
pallavirani@iiti.ac.in
PhD, IIT Guwahati

Research Area and Highlights: Dr Pallavi Rani's research investigates folk and rural art forms through the lens of ethnographic inquiry, emphasising the translation of cultural data into interactive and visually compelling data storytelling. She is passionate about transforming qualitative research into visually engaging and meaningful representations that bridge tradition with contemporary design practices. Her areas of interest include design research, data storytelling, illustration, and visual arts.



Dr Kshetrimayum Dideshwor Singh
Assistant Professor
dideshwork@iiti.ac.in
PhD, Wuhan University of Technology, China

Research Area and Highlights: Dr Kshetrimayum Dideshwor engages with Photo & Video Communication, Typography, Visual Communication, and Urban Systems through teaching, research, and creative practice. His research explores people-centred design, interactive sculpture, spatial narratives, visual storytelling, ceramic arts, functional public art, and bio-based materials such as Phumdi. Through hands-on experimentation and making, he works across diverse materials, including stainless steel, brass, bronze, bamboo, wood, plastics, fibres, and emerging 3D printing technologies. His interdisciplinary work investigates collective memory, cultural identity, and environmental design, fostering meaningful connections between art, culture, communities, and contemporary public spaces.

Centre Profiles

Sophisticated Instrumentation Center (SIC)

About SIC

The Sophisticated Instrumentation Centre (SIC) was established in September 2011 to accelerate the research program at IIT Indore. The mission of SIC is to support and foster the research initiatives at IIT Indore, by providing a state-of-the-art instrumentation facility and its application in cutting-edge research. The high-value instruments are accommodated under one roof to provide the highest quality of data analysis to its stakeholders. SIC provides analytical services to all departments within the Institute and to external academic and industry users. SIC is constantly striving to support and foster research in all branches of science and engineering at IIT Indore.

SIC is currently striving to become a self-sustained center by generating funds through services provided to external users. A significant advantage of the SIC facility is its easy accessibility to the students and faculty, with a favorable ratio of students to available instruments. The following departments within the Institute have been actively using the SIC facility to enhance their research and development activities: Chemistry, Physics, Mechanical Engineering, Electrical Engineering, Civil Engineering, Metallurgical Engineering and Materials Science, Bio-sciences and Biomedical Engineering, and Chemical Engineering.

Vision, Mission and Objectives

1. To provide high end instrumentation facilities to professors, scientists, and students of IIT Indore as well as various academic institutes and industries to carry out sample analysis for research and development work.
2. To organize talks, seminars, and workshops on the usage and application of various SIC Instruments for researchers from universities, and industries.
3. To develop new analytical techniques/methods to fully utilize the instruments and provide them to explore new research horizons in various areas of science and technology.
4. To ensure easy data collection for advanced research.
5. To provide services to other educational institutes and industries with nominal charges.
6. To create and support "Centre of Excellence" through collaboration between Institute and Industry.



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Professor In-Charge SIC
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Prof. Krushna R Mavani
Co-Convener SIC
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Mr. Ghanashyam Bhavsar
Technical Superintendent



Mr. Kinny Pandey
Technical Superintendent



Dr. Ravinder
Junior Technical Superintendent



Mr. Atul Singh
Junior Technical Assistant



Mr. Sagar Patail
Junior Technical Assistant



Mr. Ranjeet Raghuvanshi
Administrative Staff

Facilities available with SIC

14th Convocation Report 2025-26

1. Spectroscopy
2. Chromatography
3. Microscopy & Imaging
4. Thermal Analysis
5. Characterization Instruments

Spectroscopy		
400 MHz NMR & 500 MHz NMR (DST-FIST-Chemistry)	Circular Dichroism (CD)	UV-Visible Spectrometer
Fourier Transform Infrared Spectrometer (FT-IR)	Time-Correlated Single Photon Counting (TCSPC)	Spectrofluorometer

Chromatography		
Liquid Chromatography- High Resolution Mass Spectrometry (LC-HRMS)	Gas Chromatography - Mass Spectrometer (GC-MS)	Reverse Phase - High Performance Liquid Chromatography (RP-HPLC)
Preparative - High Performance Liquid Chromatography (Prep-HPLC)	Normal Phase – High Performance Liquid Chromatography	

Microscopy & Imaging		
High Resolution Transmission Electron Microscopy (HR-TEM)	Field-Emission Scanning Electron Microscopy (FE-SEM) with EDAX & aSTEM	Field-Emission Scanning Electron Microscopy (FE-SEM) with EDAX & WADX
Confocal Laser Scanning Microscopy (CLSM)	Atomic Force Microscopy (AFM)	

Thermal Analysis	
Thermogravimetric Analyzer (TGA)	Differential Scanning Calorimetry (DSC)

Characterization Instruments		
Lyophilizer	Surface Area Analyzer (BET)	Rheometer
CHNSO Analyzer	Spectro Electro-Chemical Cell (SEC)	Physical Property Measurement System (PPMS)
Polarimeter	Microwave Synthesizer	Microwave Digestion System

Glimpses of Major Facilities in SIC



Newly installed instruments in SIC

(1) High Resolution-Transmission Electron Microscope (HR-TEM), Make: Thermo Fisher Scientific, Model: Talos 200





The HR-TEM instrument was Inaugurated on 17th foundation day of IIT Indore by Dr. Sharad Kumar Saraf along with Director Prof. Suhas S. Joshi on February 17, 2026.

Hands on Training Program for International students

One day training program for German students Julius-Maximilians-Universität Würzburg (JMU), Germany under SPARC-GIANT (INDO-GERMAN)





Newly purchased instruments (to be installed soon)

1. High Resolution Solid State 500 MHz NMR Spectrometer, under ANRF-PAIR Grant
2. Physical Property Measurement System (PPMS)
3. Upgradation of High Resolution 400 MHz NMR Spectrometer.

Visit of Some Notable Delegates to SIC

Sr. No.	Delegate Name	Position and Department
1	Prof. Umesh Kumar Singh	Director, Institute of Computer Science, Vikram University
2	Prof. Pratosh Bansal	Director, Institute of Engineering and Technology, DAVV, Indore
3	Dr. Sharad Kumar Saraf	Chairman and Managing Director of Technocraft Group
4	Dr. Lavkush Dwivedi	Coordinator Innovation Center, Head Bundelkhand University
5	Dr. Dadasaheb M. Korake	RTM university, Nagpur
6	Prof. Irina A. Kurzina	Tomsk state university, Russia
7	Prof. Shrikant Kranti	Julius-Maximilians-Universität Würzburg (JMU), Germany

Role of SIC in Institute Research Activity till inception

	Publications: Provided support to publish several international journal publications. SIC has been catering the research needs of institutional faculties & research scholars.
	Patents: Several patents were granted, and were filed using SIC data.
	Technological Transfer: Several technologies were transferred to Industries, and were incubated with help of SIC.
	SIC supported several projects worth 600+ Crore INR in value.
	SIC is also supporting 2 Centre of Excellences viz., RCOE & CNH

Highlights: Samples analyzed using key instruments in 2025-26

Instrument	No. of samples
NMR (400MHz & 500 MHz, DST-FIST of Chemistry)	24854
LC-HRMS	7900
FE-SEM	4483
CLSM	4657
GC-MS	2422
BET	792
TGA	875
CD	936
AFM	458
UV-VIS	1301
UV-VIS-NIR	236
FLUORESCENCE	1805
LYOPHILIZER	850
PREP-HPLC	657
CHNS-O	367
DSC	217
FTIR	411
TCSPC	877
LN2 plant	25279 Ltr.
MILLIQ WATER	3124 Ltr.

Revenue generated from External Academia, Industries and International users was INR 1.36 Cr since inception while for current FY 2025-26 it was 12.32 lakh.



Group Photograph

Centre for Advanced Electronics (CAE)

About the Department

The Centre for Advanced Electronics (CAE) was established in June 2020 at IIT Indore as an interdisciplinary research center dedicated to the development of materials, devices, and technologies for multidisciplinary applications, including computing, communication, healthcare, and energy.

CAE brings together accomplished academicians and researchers from electronics and allied disciplines on a common platform to foster high-quality applied research for the benefit of society. The Centre focuses on creating a vibrant ecosystem for applied research, device development, and skill and manpower development in the nationally important domain of electronics.

Academic Programs

The Centre for Advanced Electronics (CAE) offers a Ph.D. program in Advanced Electronics, encompassing research areas such as Nanoelectronics/Microelectronics, Integrated Silicon Photonics/Optoelectronics, Advanced Materials and Devices, Advanced Memory Technology, Electronic Waste Utilization, Computational Electronics and Materials, 2D Electronic Materials, Biochemical Sensors, Signal Processing, VLSI Circuit and System Design, Photovoltaics, Wireless and Optical Communication, and Artificial Intelligence and Machine Learning.

The Centre is also planning to introduce an M.S. (Research) program in Advanced Electronics with the vision of addressing national semiconductor requirements by generating skilled manpower and contributing technically to the India Semiconductor Mission.

Number of Faculty Members	12
Professor	09
Associate Professor	02
Ramanujan Fellow	01

Programs	Student Intake	Degree Awarded
PhD	03	-

Notable R&D Activities

The Centre is engaged in applied research across multidisciplinary fields and provides state-of-the-art facilities for research and development in advanced semiconductor technologies and materials science.

Projects

Project	External Sponsored Project
New Projects	-
Ongoing Projects	8
Completed	-

Publications

Details	Books Published	Chapters in Books	Papers in Conference	Papers in Journals	Patent
Total	01	01	23	59	05 Filed 04 Granted

Outreach Activities

S. No.	Date	Activities
1	November 16 – 18, 2025	Symposium on Advanced Photonics (SAP 2025)
2	December 23, 2025	Expert talk by Dr. Rakesh Rana (Senior Editor at Nature Communications) on Navigating the Publishing Landscape at Nature Communications
3	May 29-30, 2026	1st IEEE International Conference on Intelligent Technologies for a Sustainable and Inclusive Future

Faculty Profile of CAE



Prof. Vivek Kanhangad (Professor In-Charge, CAE)

Research Interests:

- Biometrics
- Digital Signal and Image Processing



Prof. Shaibal Mukherjee

Research Interests:

- Low-cost HEMTs/HFETs for DC-to-DC converters
- Heterogeneously integrated RRAMs for image processing and neuromorphic computation
- Next-generation ultrathin and low-cost photovoltaic
- Flexible and low-cost bio-chemical sensors for agriculture, water, and air
- High-performance UV detectorsz



Prof. Rajesh Kumar

Research Interests:

- Nanomaterials & nanodevices
- Electronic and electrochromic devices
- Device physics, Raman Spectroscopy & Microscopy
- Natural Biomaterials



Prof. Mukesh Kumar

Research Interests:

- Integrated Optoelectronics
- Silicon Photonics
- Nanoelectronics
- Integrated CMOS Photonics
- Device Fabrication & VLSI Technology
- Bio-chemical Sensors
- Nano-scale devices



Prof. Vimal Bhatia

Research Interests:

- AI/ML for Communications and Optics
- 6G and 7G Communication Systems
- Performance Analysis and Optimization
- Signal and Image Processing Algorithm
- Mathematical Analysis and Computing
- Software Implementations



Dr.. Ajay Kumar Kushwaha

Research Interests:

- Anti-Corrosion Coatings
- Nanomaterials
- Energy Harvesting and Storage



Prof. Santosh Kumar Vishvakarma

Research Interests:

- SRAM Design and Architecture
- Reliable, Secure and Energy-Efficient Circuit Design
- Digital ASIC/SoC Design
- In-Memory Computing
- SoC/FPGA based CNN Hardware Accelerators
- NAND Flash Memory Device
- Advanced MOS Devices
- Device Circuit Co-Design



Prof. Apurba K. Das

Research Interests:

- Biomaterials
- Peptide and nucleobase-based nanostructured materials
- Systems chemistry
- Supramolecular electronics
- Organic-inorganic hybrid materials



Dr. Abhishek Singh (Ramanujan Fellow)

Research Interests:

- Photonic terahertz technology: THz generation, detection and application
- Optoelectronics
- GaAs, Ge, and Ge/Si based semiconductor devices for ultrabroadband THz technology
- Terahertz spectroscopy
- Ultrafast optics
- Ge based high-speed photodetectors
- Nano-scale and micro-scale device fabrication using lithography



Prof. Vinod Kumar

Research Interests:

- Nanomaterial
- High Entropy Alloys
- Magnetic Materials
- Corrosion and coating
- Structure-Property Correlations,
- Microstructural Characterization,
- Thermo-mechanical Processing of Light metal alloys and Steels
- Failure Analysis
- Building Materials
- Energy Materials



Dr. Srimanta Pakhira

Research Interests:

- Theoretical Condensed Matter Physics
- Computational Material Science
- Quantum Materials
- Renewable Energy Technology
- Surfaces, and Interfaces in Compound Semiconductors and their Impact on the Electrical and Magnetic Properties using First-Principles Calculations



Prof. Ram Bilas Pachori

Research Interests:

- Signal and Image Processing
- Biomedical Signal Processing
- Non-stationary Signal Processing
- Speech Signal Processing
- Brain-Computer Interfacing
- Machine Learning
- AI in Healthcare
- Signal Processing for Vedas


NATURE
IIT INDORE





Center for Electric Vehicle and Intelligent Transport Systems (CEVITS)

Vision/Mission of the Center

The Center for Electric Vehicle and Intelligent Transport Systems (CEVITS) was established at IIT Indore in April 2021 with the vision of becoming a leading hub for education, research, innovation, and entrepreneurship in the fields of electric mobility and intelligent transportation systems. The center was founded with three key objectives:

(i) To develop skilled manpower and talent in electric vehicle technologies

(ii) To create a world-class ecosystem for research and innovation in transformative mobility

(iii) To foster entrepreneurship and support the development of indigenous EV technologies and start-ups.

To achieve these objectives, CEVITS has launched academic programs focused on electric mobility with the aim of providing comprehensive knowledge and interdisciplinary training to students and professionals across the country. The center has been offering the M.Tech. program in Electric Vehicle Technology (EVT) since the academic year 2021–22, covering all essential aspects of electric mobility, including electric drives, energy storage systems, power electronics, vehicle dynamics, charging infrastructure, Advanced Driver Assistance Systems and intelligent transportation technologies. In addition, an M.Tech.–Ph.D. Dual Degree Program has been introduced to nurture future researchers and technology leaders in the domain of sustainable mobility.

Recognizing the growing need for upskilling of industry professionals in the rapidly evolving automotive sector, CEVITS has also initiated industry-oriented executive education programs. The Executive M.Tech. Program in Hybrid and Electric Vehicle Technology was launched for the employees of VE Commercial Vehicles Limited (VECV), Pithampur, Madhya Pradesh, starting from the Academic Year 2023–24. Further strengthening its industry engagement, CEVITS has introduced the Executive M.Tech. Program in Heavy Vehicle Mobility Engineering for employees of Case New Holland Construction Equipment India Pvt. Ltd. (CNHI), commencing from the Academic Year 2026–27. These programs are designed to bridge the gap between academic knowledge and industrial requirements by providing working professionals with advanced technical expertise in emerging mobility technologies.

CEVITS adopts a multidisciplinary approach that integrates education, research, innovation, and industry collaboration to address emerging challenges in the transportation sector. The center focuses on three broad categories of research and development activities:

(a) Research, Development, and Engineering (R,D&E): Projects aimed at developing technologies with production capabilities through strong industry collaboration and support;

(b) Application-Oriented Research, Design, and Development (R,D&D): Translational research initiatives with significant potential for commercialization and practical deployment; and

(c) Basic Research and Development: Fundamental investigations that advance scientific knowledge and drive innovation in electric mobility and intelligent transport systems.

Through these initiatives, CEVITS strives to contribute significantly to India's transition toward sustainable transportation by developing highly skilled professionals, generating impactful research outcomes, strengthening academia–industry partnerships, and fostering an ecosystem that promotes innovation and entrepreneurship in electric vehicle and intelligent transportation technologies.

Team Members of CEVITS

Core Faculty (14 Members)

Faculty (Name, Designation)	Research Focus & Expertise
Dr. Sunil Kumar, Professor in charge, (Associate Professor, MEMS)	Electrochemical energy storage; Na-ion batteries; all-solid-state batteries;
Dr. Amod C. Umarikar (Professor, EE)	High step-up DC–DC converters; integration of renewable energy sources to grid; power quality analysis and monitoring
Dr. Devendra Deshmukh (Professor, ME)	Internal combustion engines; biofuels; spray and combustion diagnostics
Dr. I. A. Palani (Professor, ME)	Optical instrumentation; mechatronics; system design; laser-assisted synthesis and characterization of nanostructures
Dr. S. I. Kundalwal (Professor, ME)	Computational nanomechanics; FEM of composites; nanomechanics & micromechanics; smart materials and structures
Dr. Rupesh S. Devan (Professor, MEMS)	Photo-active materials; hydrogen production; water remediation; energy storage materials; nano-hetero architectures
Dr. Trapti Jain (Professor, EE)	Power system security; AI in power systems; power quality; EVs; smart grids
Dr. Vipul Singh (Professor, EE)	MOSFET sensors; nanoelectronics; RF devices; single-electron devices; silicon nanodevices; photoluminescence
Prof. Somnath Dey (Professor, IIT Indore)	Human–Computer Interaction; Image Processing; Computer Graphics; Biometric Security
Dr. Swaminathan R. (Associate Professor, EE)	Cooperative relay systems; MIMO; hybrid FSO/RF communication; wireless coding & estimation
Dr. Bodhisatwa Mazumdar (Associate Professor, EE)	Hardware security; side-channel analysis; cryptography; digital VLSI design
K. Eswara Prasad (Associate Professor, MEMS)	High strain-rate deformation; nanoindentation; surface engineering; failure analysis
Dr. B Prathap Reddy (Assistant Professor, EE)	Electric vehicles; multiphase machines; power electronics; EV charging; multilevel inverters
Dr. Krishna Mohan Kumar (Assistant Professor, ME)	Acoustics; duct & muffler noise control; automotive NVH; industrial vibration control

Associated Faculty (10 Members)

Faculty (Name, Designation)	Research Focus & Expertise
Prof. Sumit Gautam (Assistant Professor, EE)	Wireless communications; SWIPT systems; IRS-assisted networks; edge caching; cooperative relaying
Dr. Subhadeep Paladhi (Assistant Professor, EE)	Power system protection; ML in grid monitoring; digital twins; renewable-integrated grid resilience
Dr. Pankaj R. Sagdeo (Professor, UGC-DAE CSR)	Scientific instrumentation development; experimental material characterization
Dr. Somaditya Sen (Associate Professor, Physics)	Ferroelectrics; multiferroics; optoelectronic materials; sensing materials; oxides & nanomaterials
Dr. Sumanta Samal (Associate Professor, MEMS)	High entropy alloys; solidification; phase equilibria; material design for high-temperature applications
Dr. J. P. Murugesan (Associate Professor, MEMS)	Welding engineering; fracture mechanics; mechanical behavior; additive manufacturing
Dr. Harekrishna Yadav (Associate Professor, ME)	Experimental fluid dynamics; heat transfer; flow visualization; renewable energy systems
Dr. S. Dhinakaran (Professor, ME)	CFD; biofluid mechanics; porous media heat transfer; nanofluids
Prof. Anand Parey (Professor)	Condition monitoring; signal processing; vibration and noise control
Dr. Gourab Sil (Assistant Professor)	Highway engineering; traffic safety; driver behavior; statistical transportation analysis

Academic Programs

CEVITS has initiated structured academic programs in the domain of electric mobility to support advanced learning and interdisciplinary skill development for both students and industry professionals. These programs are designed to address the evolving requirements of sustainable transportation systems through focused technical education and research-oriented training.

The center offers a postgraduate program in Electric Vehicle Technology (EVT) along with an integrated M.Tech–Ph.D dual degree program, aimed at strengthening advanced research capabilities in electric mobility. Alongside these, CEVITS has developed industry-oriented executive education programs in collaboration with leading automotive companies VECV and CNHI. These executive programs are designed to provide working professionals with advanced technical knowledge and hands-on exposure to modern electric and hybrid vehicle technologies, bridging the gap between academic learning and industrial requirements.

Publications

Programs	Student Intake	Degree Awarded	Academic Year Started
M.Tech in Electric Vehicle Technology (EVT)	10–15	M.Tech	2021–22
M.Tech–Ph.D Dual Degree in Electric Mobility	NA	M.Tech + Ph.D	2021-22
Ph.D. Program in Electric Vehicle Technology (Non-TA Category)	NA	Ph.D	2023-24
Executive M.Tech in Hybrid and Electric Vehicle Technology (VECV)	Industry-sponsored (10-20)	M.Tech (Executive)	2023–24
Executive M.Tech in Heavy Vehicle Mobility Engineering (CNHI)	Industry-sponsored (10-20)	M.Tech (Executive)	2026–27

R&D Activities

Current research and development activities at CEVITS are focused on advancing electric mobility, intelligent transport systems, and next-generation automotive technologies through multidisciplinary faculty expertise spanning electrical, mechanical, materials, communication, physics, and control engineering domains.

- Advanced Battery Technologies (Na-ion batteries, solid-state batteries, electrochemical energy storage)
- Energy Storage Systems (electrochemical systems, high-performance storage materials)
- Power Electronics and Machines (EV drives, multilevel inverters, efficient and rare-earth free machines, converter design)
- Vehicle Dynamics (stability, control, and performance optimization of electric and hybrid vehicles)
- Vehicular Communication Systems (wireless networks, MIMO, relay systems, cooperative communication)
- EV Charging Technologies (power converters, charging infrastructure, power quality and grid integration)
- Vibrations and Noise Control (NVH analysis, duct and muffler acoustics, automotive noise control)
- Hybrid Powertrains (hybrid and electric propulsion systems, microgrids for mobility applications)
- Advanced Driver Assistance Systems (ADAS) (intelligent mobility, sensing and control for smart vehicles)
- Autotronics (powertrain electronics, control systems, EV system integration)
- Mechatronics (sensor-integrated systems, optical instrumentation, system design and control)
- Advanced Materials for Electric Vehicles (photo-active materials, nanostructures, composites, surface engineering, high-temperature materials)

These research areas collectively support the development of efficient, intelligent, and sustainable electric mobility solutions, integrating fundamental research with application-oriented engineering and industry-relevant innovations.

Notable Activities in The Department

CEVITS at IIT Indore has actively contributed to capacity building, industry collaboration, and academic advancement in the domain of electric mobility and intelligent transportation systems through several key initiatives and milestones.

- Conducted DST SERB Karyashala on "Vehicular Communications for Next Generation Intelligent Transportation Systems" during 12–19 July 2022, focusing on advanced communication frameworks for connected mobility.
- Successfully graduated four batches of the M.Tech. in Electric Vehicle Technology (EVT) program by June 2026, beginning with the first graduating batch in July 2023, marking a significant academic milestone for CEVITS.
- Launched an industry-sponsored Executive M.Tech program with VE Commercial Vehicles (VECV) in 2023, focused on upskilling professionals in electric and hybrid vehicle technologies and applied mobility systems.
- Graduated two batches of Executive M.Tech in Hybrid and Electric Vehicle Technology (VECV) by June 2026, strengthening industry-oriented skill development.
- Initiated a second Executive M.Tech program with Case New Holland India (CNHI) in 2026, focused on heavy vehicle mobility engineering and advanced off-highway mobility solutions, strengthening industry collaborations.
- High-impact research outcomes through journal publications and conference proceedings.



Picture: CEVITS, IIT Indore Team Visited CoEZET, IIT Madras in 2024.



Picture: CEVITS, IIT Indore Team Visited VECV Bhopal in 2025.

Center of Futuristic Defence and Space Technology (CFDST)

The Center of Futuristic Defense and Space Technology (CFDST) at Indian Institute of Technology Indore is an interdisciplinary research center focused on advancing indigenous technologies in the domains of defense, aerospace, cybersecurity, autonomous systems, and intelligent communication networks. The center aims to build a strong ecosystem for futuristic defense and space research by integrating expertise from electronics, artificial intelligence, robotics, signal processing, embedded systems, advanced materials, and secure communication technologies. CFDST supports the national vision of technological self-reliance by promoting research aligned with strategic applications such as UAV systems, swarm intelligence, secure embedded hardware, satellite communication, electronic warfare, and AI-enabled surveillance platforms. The center is offering specialized and dedicated M.Tech (Communication and Information Systems) and Ph.D. programs in the broad area of defence pertaining to AI/ML, Cybersecurity, Communications and Signal Processing, and VLSI Design.

The center has contributed to strengthening IIT Indore's growing research ecosystem through collaborative projects, advanced research infrastructure, and interdisciplinary innovation. CFDST encourages industry-academia interaction and supports the development of next-generation technologies relevant to defense and aerospace sectors. The center is also involved in training students and researchers in emerging areas including cyber-physical security, trusted hardware, intelligent sensing, and autonomous navigation systems. Its long-term vision includes developing secure and scalable technologies for defense modernization, smart surveillance, and space-oriented applications. CFDST is supported by faculty members from multiple departments of IIT Indore with expertise in communication systems, cybersecurity, VLSI, AI/ML, photonics, signal processing, robotics, and semiconductor technologies. Dr. Bodhisatwa Mazumdar (Head CFDST) and Mr. Balkrishna Vishwakarma are managing the Center of Futuristic Defense and Space Technology.

Members in CFDST

- Dr. Bodhisatwa Mazumdar- Head CFDST
- Professor Neelesh Kumar Jain
- Professor Rajneesh Misra
- Professor Ram Bilas Pachori
- Professor Vimal Bhatia
- Professor. Abhirup Datta
- Dr. Abhishek Rajput
- Professor. Avinash Sonawane
- Dr. Ajay Kumar Kushwaha
- Professor. I A Palani
- Dr. Lalit Borana
- Dr. Mrigendra Dubey
- Professor. Neelima Satyam
- Professor. Pankaj Sagdeo
- Dr. Puneet Gupta
- Dr. Ram Sajeevan Maurya
- Professor. Sanjay Kumar Singh
- Dr. Saurabh Das
- Professor. Shaibal Mukherjee
- Dr. Vinod Kumar
- Dr. Vivek Kanhangad
- Dr. Hem Jha
- Dr. Jayaprakash Murugesan
- Professor. Mukesh Kumar
- Professor. Nirmala Menon
- Professor. Ruchi Sharma
- Professor. Somaditya Sen
- Dr. Sumanta Samal
- Professor. Surya Prakash
- Dr. Swaminathan Ramabadran
- Professor. Neminath Hubballi
- Professor. Manish Kumar Goyal
- Dr. Gourinath Banda
- Dr. K Eswara Prasad
- Professor. Santosh Kumar Vishvakarma
- Dr. Saptarshi Ghosh
- Professor. Somnath Dey
- Dr. Indrasen Singh
- Dr. Ayan Mondal
- Professor. Sanjram Premjit Khanganba
- Prof. Ganti S. Murthy
- Dr. Vijay Kumar Sohani

Office Staff in CFDST

- Mr. Balkrishna Vishwakarma

Notable Achievements: Webinar Organized During COVID 19 Pandemic:

- Expert Talk by Dr. Ajay Kumar IAS Defence Secretary Ministry of Defence, Govt. of India webinar on Indian Defence Industry, The Sunrise Sector.
- Expert Talk by Maj Gen A K. Channan, PVSM, SM Additional Director General Army Design Bureau webinar on Technology as a disruptive influence on military warfare.
- Expert Talk by Lt. Gen VG Khandare PVSM, AVSM, SM (Retd.) Military Adviser, National Security Council Secretariat webinar on Role of technology in national security and comprehensive national power.
- One day Workshop on Opportunities in Research and Developments in Armament Establishments (ARMREB-2020) on 26th August 2020.





Centre for Entrepreneurship Education and Development (CEED)

About the Department

The Centre for Entrepreneurship Education and Development (CEED) is an initiative at IIT Indore, dedicated to imparting education in innovation and entrepreneurship. CEED offers academic courses for IIT Indore students, along with short-term programs and faculty development initiatives for members of the external community.

Academic Programs

CEED offers an open elective course titled Foundation for Entrepreneurship to all Bachelors, Masters, and Ph.D. students at IIT Indore, starting from Autumn 2022. The course aims to foster innovation and entrepreneurship skills through experiential learning. In addition to regular classroom lectures, the course features invited talks by domain experts, startup founders, faculty from IITs/IIMs, angel investors, and other practitioners. As part of the course, students will work in teams to develop a business plan based on their startup idea, supported by seed funding. These plans will be evaluated by an expert committee. This year 46 students registered for this course.

People

- Prof. Mobin Shaikh (Professor In-charge)
- Dr. Ananya Ghoshal
- Dr. Shomik Dasgupta
- Dr. Ashootosh Mandpe
- Dr. Mohanasundari Thangavel
- Prof. Ruchi Sharma
- Dr. Swaminathan R
- Ms. Sonal Rai (Junior Assistant)

Major Achievements

CEED, IIT Indore in association with IITI Advanced Centre for Entrepreneurship (ACE) Foundation, and MSME DFO Indore has conducted 04 Awareness Programmes in various locations for MSMEs and aware them about the Design scheme of MSME.

CEED, in collaboration with IITI ACE Foundation and MSME DFO Indore, has conducted 05 Entrepreneurship Awareness Programmes (EAP), 1 Management Development Programmes (MDP), and one Advanced Entrepreneurship Skill Development Programme (ESDP) at various locations across Indore, including IIT Indore. These programs have collectively benefited over 500 participants, including students, startup founders, institutional staff, entrepreneurs, and MSME representatives.

Glimpses of Events






4 Design Scheme Awareness Programme






Advanced Entrepreneurship Skill Development Programme






MDPs Event






05 EAPs

Center for Indian Scientific Knowledge Systems (CISKS)

About the Department

(CISKS) at the Indian Institute of Technology Indore was founded in June 2021 to focus on understanding, preserving, teaching and adapting the science and technology heritage of India. The center will focus exclusively on the scientific and technology heritage of India and its relevance to modern world. The focus is on hard sciences such as mathematics, astronomy, metallurgy, biology, agriculture, engineering and medicine among others. This center will not focus on the language studies or humanities or social science aspects of Indian knowledge systems.

Academic Programs

The academic programs consist of the Certificate Course in Sanskrit Language (CCSL)and Diploma Course in Sanskrit Language (DCSL). The courses are open to everyone on the campus or outside the campus.

Our vibrant group of faculty members aspire to create an ambience for the smooth pursuit of scholarly activities in Sanskrit research as well as training on the science and technology heritage of India

Number of Faculty Members	21
Professor	04
Associate Professor	06
Assistant Professor Grade I	01
Assistant Professor Grade II	Nil

Programs	Student Intake	Degree Awarded
Certificate course in Sanskrit Language (CCSL)	22	10
Diploma course in Sanskrit Language DCSL (On-going)	05	06

Projects

Project	Sponsored	Consultancy
New Projects	3	Nil
Ongoing Projects	6	Nil
Completed	2	Nil

1. Elements of Indic Knowledge Systems & Heritage

A workshop on "Elements of Indic Knowledge Systems & Heritage" was organized from 4–6 July 2025 under the auspices of UGC–IKS. Conducted by Prof. Ganti S. Murthy, Dr. Mohan Raghavan, and Dr. Harsha Simha, the programme introduced participants to the relevance and applications of Indic Knowledge Systems. The workshop served as an enriching platform for learning and intellectual exchange.



2. Balavadhanam: Mastering the Mind

A two-day workshop by Dr. Sampadananda Mishra Ji was conducted on 23rd–24th August 2025 for school children. The programme focused on enhancing concentration, memory, and mental agility through mind-training exercises under the guidance of Prof. Ganti Suryanarayana Murthy Ji. The session was highly interactive and appreciated by the participants.



3. Ramayana and Mahabharata

A special talk and workshop by Ami Ganatra Ji was organized on 11th September 2025. She presented an authentic understanding of the Ramayana and the Mahabharata, highlighting their true narratives and deeper philosophical significance. The session was highly engaging and well appreciated by the participants.



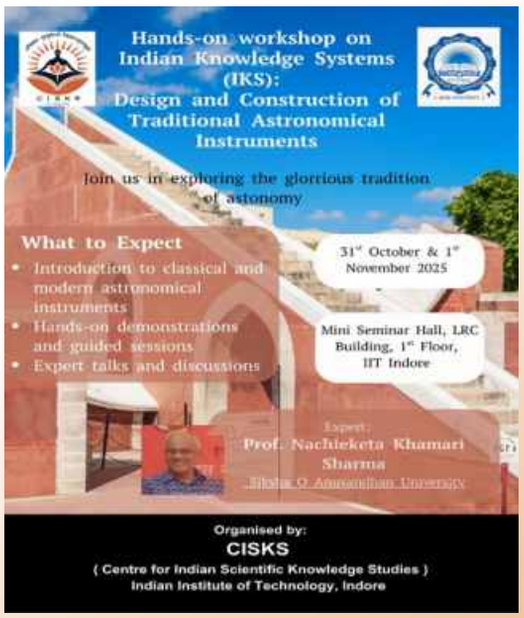
4. Mastering the Monkey Mind

A special session by His Grace Chaitanya Charan Das Ji Maharaj of ISKCON was held on 7th October 2025. Drawing inspiration from the Bhagavad Gita, he shared practical insights on focus, self-discipline, and managing the mind in today's fast-paced world. The session was highly appreciated by the participants.



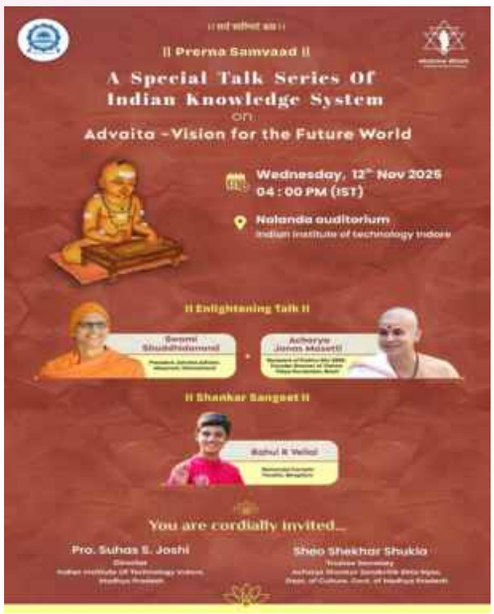
5. Hands-on Workshop on construction of traditional astronomical instruments

A 1.5-day hands-on workshop on Indian Knowledge Systems (IKS) was organized from 31st October to 1st November 2025 for schoolteachers of Indore District under the guidance of Prof. Nachiketa Sharma Ji. A total of 40 teachers participated enthusiastically and gained practical insights into traditional astronomical instruments and India's scientific heritage.



6. Prerna Samvaad

Prerna Samvaad, organized in collaboration with Ekatma Dham on 12th November 2025, was a unique programme that brought together music, culture, and spirituality. The event featured a captivating musical performance by Rahul Vellal, attended by rasikas from within and outside IIT Indore. The gathering was further blessed by the presence of Acharya Jonas Masetti, Swami Suddhidanand Ji, and Sharda Mata Ji, who shared their inspiring thoughts and blessings with the audience.



7. National Youth Day Celebration

To commemorate the birth anniversary of Swami Vivekananda, IIT Indore celebrated National Youth Day on 12th January 2026 with activities promoting strength, discipline, and innovation. The Yoga & Fitness Club conducted a yoga session at Kshitij Mandapam, led by trainer Jaya Nema. Simultaneously, CRDT and CISKS jointly organized an Idea Presentation Competition, where students showcased innovative ideas on themes ranging from "AI from a Dharmic Perspective" to "Vedic Science and National Security.



8. The Departmental Library

was formally established in January 2025.

9. CISKS was selected as one of the IKS Centers by the IKS Division, Ministry of Education

IKS center is the highest institutional recognition given by the IKS Division. The proposals were very competitive and only 9 centers were selected out of 184 applications. The proposal was led by Profs Eswar Prasad Korimilli and Ganti S Murthy.

10. The IKS center in CISKS will focus on Metallurgical traditions of India with a focus on Iron Metallurgy and sustainable agriculture inspired by the Indian traditional agricultural practices

The center's objectives align with national priorities, ensuring the integration of traditional wisdom with contemporary scientific advancements to address critical challenges in food security and metallurgy. Beyond research, the center emphasizes the educational integration of IKS with modern engineering disciplines.

Computer and Information Technology Center (CITC)





CITC Building

The Computer and Information Technology Center (CITC) continues to provide and maintain the core IT infrastructure and digital services for the Institute. During the year 2025–26, CITC further strengthened the Institute's network, cybersecurity, automation, web services, academic systems, and data centre infrastructure to support the growing academic, research, and administrative requirements of IIT Indore.

Network Connectivity and Cyber Infrastructure

CITC provides high-speed campus-wide wired and wireless connectivity through a robust 10 Gbps backbone network architecture spread across academic buildings, hostels, residential areas, laboratories, health center, and administrative sections. The campus backbone is connected through a 144-core optical fiber infrastructure integrated with high-availability network systems.

During the year, multiple activities were undertaken for strengthening network redundancy, OFC connectivity, rack infrastructure, Wi-Fi coverage, structured cabling, and centralized monitoring systems. IT services were also commissioned in newly developed buildings including Laboratory Complex, Animal House, Astronomy Lab, Multi-Level Car Parking, and other upcoming facilities.

Fortinet Next Generation Firewall (NGFW) Deployment

A major cybersecurity initiative during the year was the procurement, installation, and commissioning of an enterprise-grade Next Generation Firewall (NGFW) Fortinet FortiGate 900G.The deployment has enhanced the Institute's cybersecurity posture through improved traffic visibility, centralized security policy management, advanced threat protection, VPN services, and internet access control.

Data Centre Infrastructure

The CITC Data Centre continues to host critical institutional infrastructure including servers, virtualization platforms, storage systems, enterprise applications, and high-performance computing facilities The data center is equipped with 120 kVA UPS and 320 kVA DG facility. There are several InfiniBand Linux clusters hosted in CITC, a total of more than 3500 CPU cores, and 500 TB of storage. DGX NVIDIA cluster is also hosted in data center. Regular monitoring, backup verification, security patching, and maintenance activities were carried out throughout the year to ensure uninterrupted services.

Academic Automation, ERP Services and Web Services

Significant development and enhancement activities were carried out in AROL, ERP, HRMS, Recruitment, and related automation systems.

Major activities included:

- Online feedback, grade collection, and result declaration workflows
- Course registration and academic management modules
- Student profile management, PSPC and comprehensive examination modules
- Migration of legacy academic modules to New AROL
- HRMS and Healthcare module enhancements
- eSamarth implementation for non-teaching staff recruitment
- File tracking system enhancement and internal automation systems
- Development and maintenance of departmental and event websites
- Online registration portals with integrated payment gateways for Institute events
- Enhancement of Recruitment Portal and RTI web portal.
- Development of internal IT service portals and admin dashboards
- Secure hosting and management of web applications and virtual infrastructure

Essential IT Services and Technical Support

CITC continued uninterrupted operation and support for critical institutional IT services including:

- Institute website hosting and maintenance
- Internal and external DNS services
- Campus-wide Wi-Fi and internet access
- LDAP/Radius-based centralized authentication
- DHCP-based IP allocation services
- Official email and collaboration services
- OpenVPN remote access services
- IP telephony infrastructure
- Ticket-based online support systems

Technical support services were continuously provided across academic buildings, hostels, residential areas, laboratories, conference rooms, and administrative sections.

Our Team Members

1. Prof. Satya S. Bulusu, Dean, IT Infrastructure & Automation
2. Mr. Genius Sanjog, System Manager
3. Mr. Jitendra Gupta, Technical Superintendent
4. Mr. Dhiraj Vijayvargia, Junior Technical Superintendent
5. Mr. Subhash Soni, Junior Technical Superintendent
6. Ms. Princy Awadhiya, Application Software Developer
7. Ms. Preeti Raghuwanshi, Application Software Developer
8. Mr. Prahalad Singh Panwar, System Analyst
9. Mr. Shailesh Kaushal, Technical Superintendent
10. Mr. Subha Jana, Technical Superintendent
11. Mr. Vaibhav Rathore, Application Software Developer
12. Ms. Astha Tiwari, Application Software Developer
13. Mr. Sandeep Naroliya, Application Software Developer
14. Mr. Shailendra Tiwari, Application Software Developer
15. Ms. Kanchan Nikose, Software Quality Engineer

CITC continues to play a critical role in enabling secure, scalable, and reliable digital infrastructure and automation services for the Institute's academic, research, and administrative ecosystem.

Center for Rural Development (CRDT)

About the Department

The Institute established the Center for Rural Development and Technology (CRDT) on April 2020 as a nodal hub for researchers, volunteers, practitioners, educators, and others to collaborate and facilitate rural empowerment and progress solutions. CRDT shall strive to facilitate empowering and enabling the rural population to improve their living conditions by development and application of appropriate and people-friendly technologies adopting participatory, sustainable, democratic, transparent and gender-sensitive processes.

Academic Programs

Center for Rural Development and Technology (CRDT) has launched a Ph.D. program exclusively in Rural Development and Technology, which comprises research areas such as Agricultural and Environmental Economics, Sustainability Studies, Impacts of Climate Change, Food Security Water Energy Food Nexus. / Application of Artificial Intelligence Techniques in Agriculture problems. / Building Products for Rural Areas. / Development and evaluation of sustainable materials for soil stabilization in rural infrastructure. / Disaster risk reduction in rural areas. / Early disease detection in crops for sustainable ecosystem. / Evaluation of the socioeconomic impact of rural infrastructure development on local communities. / Food and bioprocessing equipment design and scaleup. / Integration of traditional knowledge and practices with modern technologies for sustainable rural development. / Natural Resource and Environmental Economics, Climate change impact on Agriculture, Tribal Studies, Policy Analysis, Rural Development. / Noise, Vibration, and Harshness in Agriculture Machinery and Automobiles. / Nutrient energy water nexus. / Optimization of construction techniques and materials for cost effective and sustainable rural housing. / Resilience of Agro ecological Systems. / Sensors for agriculture. / Sustainable Construction. / Sustainable rural healthcare. / Sustainable Techniques for Food Storage. / VLSI Circuit and System Design.

Number of Faculty Members:	13
Professor	11
Associate Professor	02

Sl. No	Number of Students Enrolled in PhD	Name of Supervisor
1	**Mr. Habtamu Melesse Dicha** (Under Ministry of Education, Ethiopia and Ministry of Innovation and Technology Joint Integrated Phd Programme from Arba Minch University, Ethiopia)	**Prof. Sandeep Chaudhary**
2	**Mr. Satish Dabe**	**Prof. Sandeep Chaudhary**
3	**Mr. Buddhodev Ghosh**	**Prof. Ganti S. Murthy**
4	**Mr. Ashish Rathor**	**Prof. Sandeep Chaudhary**
5	**Kishan Kumar Yadav**	**Prof. Aruna Tiwari, Prof. Pavan Kumar Kankar**
6	**Arjoo Tripathi**	**Dr. Hem Chandra Jha**
Elective Courses: 02		
Design Thinking For Rural Application (RDT 301/401/601)		
Immersion For Rural Technology Development (RDT 201)		

Notable R&D Activities

Sl. No	Name of event	Date	No. of Participants	Associate organization
1	Flora & Biodiversity Documentation Workshop	October 29-30, 2025	300	Simrol Govt H. S. School & PMS KV IIT Indore
2	Innovations Towards Rural Development Best Idea Presentation competition	November 07, 2025	12	-
3	Two days training program primarily focused on three areas: techniques related to organic farming, construction materials and post-harvest solutions through the PDI system	November 19-20, 2025	190	-
4	Skill development program for students to understand technologies development for rural people	December 02, 2025	10	Mata Gujri Girls' Public School, Indore
5	Idea Presentation Competition on celebrating National Youth Day and the legacy of Swami Vivekananda	January 12, 2026	32	IIM, Indore
6	Two days workshop on Prospects of Fragrance & Flavour Industry in Madhya Pradesh	February 12, 2026	100	Fragrance and Flavour Development Centre (FFDC), Kannauj
7	Two days training program focused on vermicomposting and construction materials	February 21-22, 2026	95	-

Projects

Projects	External Sponsored Project
Ongoing Projects	04
Completed	01

External Sponsored Project

Sl. No.	Projects Title	Funding Agency	Duration	Funding Amount	Collaborative organizations	Name of PI/ Co-PI	Name of Project Staff	Ongoing/ Completed
1	Technology Dissemination of Compressed Colored Composite for a wide range of products to support sustainable rural infrastructure	DST, GOI	2023-2025	INR 59,40,000	TIET Patiala, India	PI- Prof. Sandeep Chaudhary	-	Completed
2	Livelihood interventions for Scheduled Caste labourer through "Shramik Vikas" community partnered training programs in Simrol Block, Indore District, Madhya Pradesh State	Department of Science & Technology (DST)	2025-2028	INR 68,85,115	Simrol Panchayat	PI- Prof. Sandeep Chaudhary Co-PI – Prof. Debayan Sarkar	Dr. Shantanu Samanta	Ongoing
3	Developement of Portable Kit – An Alternative to Traditional Post Harvest Management Employing Photodynamic Inactivation	AgriHub: Innovation Hub for Agriculture (AI/ML & Deep Learning Center of Excellence) scheme, IIT Indore.	2025-2027	INR 12,50,000	-	PI – Prof. Debayan Sarkar	Miss. Priyanka Chavan	Ongoing
4	Development of Portable Kit - An Alternative to Traditional Post Harvest Management	TIH Foundation for IoT & IoE	2025-2027	INR 1,29,57,438	-	PI – Prof. Debayan Sarkar	Dr. Robindo Chatterjee	Ongoing

5	**Fostering Innovation to Environmental Sustainability and Energy Technologies for a Greener Future.**	**ANRF PAIR-Project SAKSHAM – (Green-FIEST)**	**2025-2030**	**INR 33,50,00,000**	**-**	**ESE Theme Leader – Prof. Debayan Sarkar**	**-**	**Ongoing**

Publications

Details	Books Published	Chapters In Books	Papers In Conference	Papers In Journals	Patent
Total	**-**	**-**	**1**	**8**	**2 Granted 2 Filed**

Papers in Journals

1. Dicha, H. M., Husain, M. N., Chaudhary, S., and Krishnaraj, R. Banana fiber-reinforced diatomaceous earth slurry treatment for enhancing structural recycled aggregate concrete under elevated temperatures, Discover Sustainability, 2026, 7, 122, Impact Factor: 3 DOI: https:// doi.org /10.1007/s43621-025-02489-8
2. Dicha, H. M., Chaudhary, S., Husain, M. N., and Krishnaraj, R. Source based shear behavior of reinforced recycled aggregate concrete structures: review, Discover Materials, 2026, 6(3) Impact Factor: 5.1, DOI: https:// doi.org /10.1007/s43939-025-00478-2
3. Paradkar, A., Sharma, A., Chaudhary, S. From Waste to Resource: Valorization of Dimensional Stone Waste in Geopolymer Mortars for the Circular Economy in Construction, Journal of Asian Concrete Federation, 2026, 12(1), 1–11., DOI: https://doi.org/10.18702/acf.2026.12.1.1
4. Lenka, B.S., Mishra, R.K., Sarkar, D. Visible-Light-Induced Flavin Catalysis: A Green Route to Naphtho[2,1-b]furans via an o-(Naphtho)quinone Intermediate, Organic Letters, 2025 , 27, 29, 7738–7743. Impact Factor: 5, DOI: https://doi.org/10.1021/acs.orglett.5c00744
5. Ganie, M.A., Roy, N.S., Raza, A., König, B*., Sarkar, D. Flavin-Photocatalyzed Benzylic Functionalization, Spirocyclization, and Spiroepoxidation of Phenols, ACS Catalysis, 2025, 15, 20, 17078–17088. Impact Factor: 13.1, DOI: https://doi.org/10.1021/acscatal.5c05312
6. Bishi, S., Pastore, G., Kreitmeier, P., Reiser, O*., Sarkar, D*. g-C3N4 Enabled Photo-Catalytic Synthesis of 3-Hydroxyisoindolin-1-ones, European Journal of Organic Chemistry, 2026, Impact Factor: 2.7.
7. Samanta, S., Dey, A., Roy, S., Sarkar, D. Visible-Light-Induced Dearomative Cascade Cyclization of Aryl-Ynones/N-arylpropiolamides to Phosphorothiolated Spiro[5.5] and Azaspiro[4.5]trienones, Org. Chem. Frontiers, 2026, Impact Factor: 4.7, DOI: https://doi.org/10.1039/D6QO00411C
8. Roy, N.S., Ganie, M.A., Bishi, S., Nayak, B. S., Sonawane, A., Sarkar, D. Flavin-Based Photodynamic Inactivation as a Sustainable Approach for Extending Post-Harvest Shelf Life of Fresh Produce in India, npj Science of Food, (Revision Submitted)

Papers in Conference

1. Thangavel, M., "Restoring Resilience through Tribal Traditions: A Case Study of the Halma Watershed Models in Jhabua, Central India 13th Biennial Conference of the US Society for Ecological Economics, Oberlin, accepted for presentation on June 18–21, 2026.

Patent

- A portable kit for visible light photodynamic inactivation of microbes and method thereof Granted: 20-03-2026, Patent No. 584119, Roy, N.S., & Sarkar, D.
- An iot-Enabled Visible Light Photoreactor With Integrated Thermal Management and Multi-Vial Reaction, Filed: 01-05-2026, Application no 202621055580, Roy, N.S., & Sarkar, D.
- Cow dung-based lightweight construction material and method thereof, Granted: 22-04-2026, Patent No. 587432, Gupta, S., and Chaudhary, S.
- Bacterial Mortar Composition and Process for Preparation Thereof by using Food Waste derived Nutrient Media, Filed: 26-07-2025, Application no 202521071253A, Thakare, A. A., Gupta, S., Rajpoot, S., Jha, H. C., and Chaudhary, S.

Outreach Activities

Name of Activity - Expert Talk			
Sl. No	**Date**	**Name of Speaker**	**Title**
1	**August 11, 2025**	**Representatives from Vigyan Bharti**	**Rural Development in Madhya Pradesh and nearby states**
2	**October 01, 2025**	**CA Sailesh Agarwal, FCA**	**Financial Literacy, Awareness and Rural Youth Empowerment**
3	**October 29, 2025**	**Mr. Muhammed Nizar K, Project Manager, Season Watch**	**Biodiversity Observation and Data Documentation Techniques**
4	**October 30, 2025**	**Mr. Ajay Gadikar, Ornithologist**	**Bird Behaviour and studying Birds on Campus**

Name of Activity – Competition			
Sl. No	**Date**	**Name of Event**	**No. of Participants**
1	**September 27, 2025**	**Rural Art Competition**	**11**

Name of Activity - Field visit as part of the academic course Design Thinking for Rural Application (RDT 301/401/601)		
Sl. No	**Date**	**Place**
1	**August 30-31, 2025**	**Educational visit Shivganga (Jhabua Darshan Yatra)**
2	**October 14-15, 2025**	**Educational visit for Fragrance material collection, isolation and product development at Fragrance & Flavour Development Centre (FFDC), Kannauj, Uttar Pradesh**
3	**May 09 2026**	**Educational visit Ankitgram Sevadham Ashram, Ujjain**

Organizational Structure of CRDT

Professor In-Charge

Prof. Debayan Sarkar



Research Interests:

- Visible Light Deactivation of Microbes
- Vegetable Storage employing Visible Light Photodynamic Inactivation of Microbes
- Isolation and application of Bioactive Natural Products

Agriculture, Forestry and Environment

Prof. Pritee Sharma



Research Interests:

- Agricultural Economics (Economics of Land, Water and Forests)
- Development Economics (Rural Poverty and Trade Concerns of Developing Countries

Prof. Ganti S. Murthy



Research Interests:

- Bioprocess development and scaleup for production of value added bioproducts and biofuels
- Biological and bioprocess modeling, control and multicriteria optimization
- Systems analysis using technoeconomic analysis, life cycle assessment and resource assessment
- Resilience and sustainability at the nexus of nutrient-energy-water-land

Dr. Mohanasundari Thangavel



Research Interests:

- Agricultural Economics
- Resource Economics: Energy, Water and Agroforestry
- Environmental Economics: Climate Change Adaption and Impact Studies
- Urban and Rural Consumption Pattern
- Farmer Producer Organizations

Rural Healthcare

Prof. Avinash Sonawane



Research Interests:

- Role of Mycobacterium tuberculosis glycoproteins and glycolipoproteins in modulation of host immune responses
- Epigenomics of stem cells during M. tuberculosis infection

- Host antimicrobial peptides in anti-mycobacterial immunity
- Drug delivery
- Development of L-asparaginase based therapy for the treatment of primary and relapse acute lymphatic leukemia

Dr. Hem Chandra Jha



Research Interests:

- COVID-19 biology
- Biological and bioprocess modeling, control and multicriteria optimization
- Host-pathogen interaction- Epstein-Barr virus and Helicobacter pylori associated co-infection in cancer progression
- Epigenetic regulation- Pathogens derived pathogenesis in cancer
- Pathogens burden during viral infection of Gastric Cancer, Head and Neck Cancer and Multiple Sclerosis
- Drug discovery in cancer and infectious agents derived diseases
- Genetic Engineering

Technology Development and Skill Development

Prof. Sandeep Chaudhary



Research Interests:

- Structural Engineering
- Composite Bridges
- Microstructure and Durability of Concrete
- Advanced Characterisation Techniques
- Waste management in building construction materials
- Sustainable Construction Practices
- Novel Bricks and Blocks

Prof. Rajesh Kumar



Research Interests:

- Nanomaterials & nanodevices
- Electronic and electrochromic devices
- Device physics, Raman Spectroscopy & Microscopy
- Natural Biomaterials

Prof. Shaibal Mukherjee



Research Interests:

- Low-cost HEMTs/HFETs for DC-to-DC converters
- Heterogeneously integrated RRAMs for image processing and neuromorphic computation
- Next-generation ultrathin and low-cost photovoltaic
- Flexible and low-cost bio-chemical sensors for agriculture, water, and air
- High-performance UV detectors

Prof. Santosh Kumar Vishvakarma



Research Interests:

- Energy-Efficient and Reliable SRAM Memory Design
- Hardware-Efficient Architecture for DNN Accelerators
- SRAM-based In-Memory Computing Architecture for Edge AI
- Reliable, Secure Design for IoT Application
- Design for Reliability

Prof. Pavan Kumar Kankar



Research Interests:

- Fault Diagnosis of Mechanical Components
- Condition Based Maintenance
- Machine Learning
- Signal Processing

Outreach and Gender Equality

Prof. Nirmala Menon



Research Interests:

- Digital Humanities
- Postcolonial Literature and Theory
- Globalization Studies
- World literatures in other languages in translation
- Institutionalization of Postcolonial Literature

Prof. Neelima Satyam D.



Research Interests:

- Geotechnical Earthquake Engineering
- Dynamic Soil Structure Interaction Analysis
- Liquefaction Hazard and Mitigation
- Epigenetic regulation- Pathogens derived pathogenesis in cancer
- Environmental Geotechnics
- Landslide Research
- Rock Mechanics and Underground Structures












CRDT

Jaya Prakash Narayan National Centre of Excellence in the Humanities (JPN)

About The Centre

The Jaya Prakash Narayan (JPN) National Centre of Excellence in the Humanities, established in October 2022 at IIT Indore by the Ministry of Education, Government of India, represents a landmark initiative in reimagining the role of humanities in the digital age. As a premier institution of national significance, the Centre is committed to pioneering cutting-edge research, advanced academic inquiry, and high-impact outreach in the twin domains of Digital Humanities and Environmental Humanities. Conceived as a national hub for interdisciplinary innovation, the Centre aspires to set exemplary standards at the intersection of language, literature, culture, environment and technology. It will enable scholars and researchers to transcend conventional disciplinary boundaries and harness state-of-the-art digital tools and methodologies to address some of the most pressing questions of our time. By fostering collaborative excellence and modeling new directions in humanities research, the JPN Centre aims to establish India as a global leader in the transformative dialogue between the humanities, environment and emerging technologies.

Governance and Research Team Structure

Leadership Team	
Convener JPN Centre	Prof. Nirmala Menon
Co-convener JPN Centre	Prof. Pritee Sharma
Centre Steering Committee Members	
Prof. Nirmala Menon	Convener & Member Steering Committee Professor, School of Humanities and Social Sciences, IIT Indore
Prof. Pritee Sharma	Co-Convener & Member Steering Committee Professor, School of Humanities and Social Sciences, IIT Indore
Prof. Biswarup Pathak	Member & Steering Committee Professor, Department of Chemistry, IIT Indore
Prof. Abhishek Srivastava	Member, Steering Committee, Professor, Computer Science & Engineering, IIT Indore
Human Resource Composition	
No. of Faculty Members	02
Administrative Staff	02
No. of Post Doctoral Fellows	04 (2 Digital Humanities and 2 Environmental Humanities)

Academic Programs

The Centre of Excellence in the Humanities fosters interdisciplinary research and academic growth at the intersection of technology, culture, and the environment. In November 2023, it hosted a Curriculum Development Workshop to shape the MA and PhD programs in Digital and Environmental Humanities. The PhD program launched in Autumn 2024–25, with the MA program set to begin in 2025–26. Prof. Nirmala Memon leads Digital Humanities, while Prof. Pritee Sharma spearheads Environmental Humanities, drawing on her expertise in resource governance, climate resilience, and sustainability. Their leadership ensures the Centre's programs remain rigorous, relevant, and impact driven.

Projects

Academic Programs		
Programs	**Student Intake**	**Year**
PhD (DH & EH)	06	Admitted from July 2024
MS by Research (EH)	01	Admitted from July 2024

To further its academic presence, the Centre has initiated the following activities as part of its outreach efforts in 2025-2026 academic year:

Digital Humanities	Environmental Humanities
DH Methods Bootcamp: Text, Data and Archives: a two-day workshop and project research colloquim - will be held on 27th & 28th January 2026 at IIT Indore	Organized One Day Workshop on Workshop on Advancing Environmental Humanities and Sustainability on 18th December,2025 under the initiative of Jaya Prakash Narayan (JPN) National Centre of Excellence in the Humanities, and Mehta Family School of Sustainability (MFSS), IIT Indore Organized Two Days "Symposium on Ecology, Governance and Technology: Intersections from lenses of Environmental Humanities & Sustainability" on 12th & 13th February 2026 under the initiative of Jaya Prakash Narayan (JPN) National Centre of Excellence in the Humanities, and Mehta Family School of Sustainability (MFSS), IIT Indore

DH Methods Bootcamp: Text, Data and Archives (27th & 28th January 2026)



Symposium on Ecology, Governance & Technology (12-13 Febryary 2026)



Notable R&D Activities:

The JPN National Centre of Excellence in the Humanities fosters interdisciplinary research at the intersection of technology and the humanities. It supports innovative projects in digital archiving, computational linguistics, data visualization, and geospatial mapping of cultural heritage. By promoting inclusive and accessible knowledge systems, the Centre preserves and reinterprets historical artifacts for the digital era. Each year, it invites research proposals and offers grants, mentorship, and collaborative opportunities to scholars. Through its commitment to innovation and capacity-building, the Centre advances the evolving fields of Digital and Environmental Humanities and shapes the future of humanistic inquiry.

JPN Centre Funded Projects:

Year	Project Proposal Received	Project Sanctioned
2023-24	47	10
2024-25	40	24
2025-26	5	4

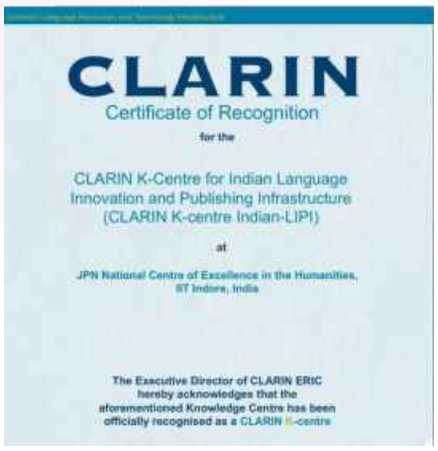
Projects Led by Centre Faculty:

Year	Project Received
2023-24	03
2024-25	04

Outreach Activities of the Centre:

The outreach activities of the centre aimed to raise awareness and encourage public engagement through various programs. One such initiative is the Writing Centre project funded by JPN, which led to various activities fostering community engagement, participation, and collaboration. The Centre's activities are regularly updated on its website(https://jpnnationalcentre.com/) and social media handles.

The Jaya Prakash Narayan (JPN) National Centre of Excellence in the Humanities, IIT Indore, achieved a major international milestone with its recognition as a CLARIN K-Centre for Indian-LIPI (Indian Language Innovation and Publishing Infrastructure). This recognition integrates the Centre into the global CLARIN ERIC research infrastructure and strengthens its engagement with international Digital Humanities networks. The initiative supports multilingual digital scholarship through corpus development, digitisation, OCR workflows, and innovative publishing infrastructures. The recognition reflects the Centre's sustained commitment to advancing research in Digital Humanities and enhancing its national and international visibility under the leadership of Prof. Nirmala Menon, Convener, JPN Centre.



CLARIN K-Centre for Indian - LIPI



Lecture in Fulbright Travel Grant-related programs at Saint Anselm College

Research Area and Highlights



Professor Nirmala Menon
Convener of JPN National Centre
Professor,
School of Humanities and Social Science, IIT, Indore
Email: convenerjpn@iiti.ac.in, nmenon@iiti.ac.in

Prof. Nirmala Menon is Professor of English at IIT Indore and Convener of the JPN Centre of Excellence in the Humanities. She leads the Digital Humanities & Publishing Group and has authored key works on postcolonial and digital humanities. An Oxford Affiliate and recipient of major grants, she advances digital cultural heritage and open access in India.

Research Interests :

- Text Mining and Natural Language Processing (NLP)
- Digital Editions and Digital Publishing
- Digital Archiving and Preservation
- Translation Studies
- Virtual and Augmented Reality
- Spatial Humanities and GIS
- Partition Studies
- Bibliometric Studies



Prof. Pritee Sharma
Co-convener of JPN National Centre
Professor,
School of Humanities and Social Science, IIT, Indore
Email: psharma@iiti.ac.in

Prof. Pritee Sharma, Professor of Economics at IIT Indore and Co-Convener of the JPN Centre, research on agricultural and development economics, environmental humanities, and climate resilience. Her work spans land, water, and forest governance, rural poverty, and traditional practices. She leads the Sustainability Studies Lab, mentors interdisciplinary research, and has authored widely on environmental and trade issues in developing countries.

Research Interests:

- Climate Resilience and Adaptation
- Sustainable Agriculture and Food Systems
- Traditional Water Management Practices
- Ecosystem Services Valuation
- Environmental and Development Economics
- Rural Livelihoods and Poverty
- Urban Sustainability and Vulnerability
- Forest and Fire Management
- Sustainability Indicators and Policy Impact
- Geoinformatics and Sustainable Development



IITI DRISHTI CPS Foundation



IITI DRISHTI CPS Foundation, established at IIT Indore under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS), Department of Science and Technology, Government of India, serves as a Technology Translation Research Park (TTRP) focused on advancing deep-tech innovation, translational research, and startup ecosystem development. The foundation enables the translation of research into real-world impact through technology development, commercialization, startup incubation, and industry collaboration across domains such as digital healthcare, smart manufacturing, AI/ML, and cyber-physical systems.

DRISHTI CPS has supported over 250 startups and research initiatives through incubation, mentorship, funding support, translational infrastructure, industry partnerships, and market linkages. The foundation actively collaborates with leading institutions and organizations including the AIIMS network, ICMR, SCTIMST, University of Cambridge, Royal Academy of Engineering, GIZ, MCTE Mhow, Government of Madhya Pradesh, industries, startups, and government agencies to strengthen innovation, technology translation, and entrepreneurship ecosystems. Working closely with key Government of India ministries including DST, DPIIT, MeitY and MSME, DRISHTI CPS continues to play an important role in fostering deployment-oriented innovation, digital healthcare, intelligent manufacturing, and industry–academia collaboration for societal and industrial impact.

Impact at a Glance:



Building Digital Twin–Enabled Healthcare Systems

Healthcare is increasingly moving toward predictive, data-driven, and personalized care. At IITI DRISHTI CPS Foundation, this transformation is being enabled through the development of integrated digital healthcare technologies in collaboration with leading institutions such as AIIMS. These technologies are currently undergoing development and clinical validation for scalable healthcare deployment.

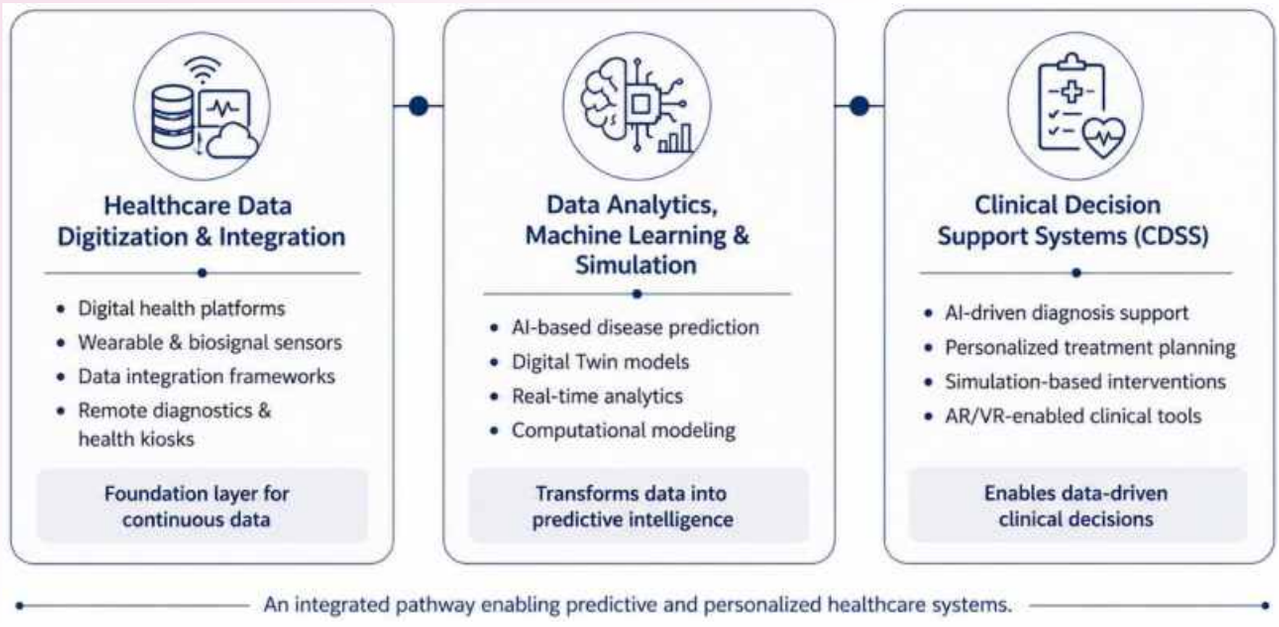


Fig. Core Technology Architecture

The framework focuses on three key technology layers: healthcare data integration, AI-driven analytics and digital twin systems, and Clinical Decision Support Systems (CDSS). Together, these technologies enable a transition from reactive healthcare toward predictive and personalized interventions. Beyond technology development, DRISHTI CPS supports translation through startup incubation, funding support, clinical validation, and industry partnerships to enable commercialization and large-scale adoption.

Technology Transfer

VRET Tool for Acrophobia		Breast Cancer Electronic Patient File (EPF) System		Ventilator Associated Pneumonia (VAP) CDSS		Job Shop Scheduling (AmiT)	
Collaborator	AIIMS Bhopal	Collaborator	SAIMS Indore	Collaborator	AIIMS Delhi	Collaborator	Industry Partnership
Objective	VR-based therapy for fear of heights	Objective	Data-driven clinical decision support	Objective	Early detection of ventilator associated pneumonia	Objective	Optimize MSME production scheduling
Key Features	Modular, immersive simulations up to 7th floor; repeatable sessions	Key Features	Predictive analytics; personalized care	Key Features	ML-based pipeline; real-time risk prediction	Key Features	Multi-scenario AI engine; work order level, batch system
Current Status	Technology transferred	Current Status	Under validation at Hospital	Current Status	Under validation at AIIMS	Current Status	Technology transferred
Impact / Value	₹ 2 Lakhs	Impact / Value	400 Patients Screened	Impact / Value	1500 Patients Screened	Impact / Value	₹ 20 Lakhs

Enabling translation through collaboration and infrastructure



Strategic Visit to AIIMS Bhopal

A team from DRISHTI and IIT Indore visited AIIMS Bhopal to review and strengthen ongoing collaborative research and technology development initiatives. The discussions with leadership and clinical experts focused on advancing AI-enabled healthcare systems, clinical decision support technologies, and patient-centric digital health solutions.

AI Deployment Centre at AIIMS Raipur

DRISHTI, in collaboration with AIIMS Raipur, has established an AI Deployment Centre to accelerate the translation of AI-driven technologies into clinical practice. The centre will serve as a platform for validating and implementing solutions in diagnostics and clinical decision support, enabling integration of research innovations with real-world healthcare systems and improving patient care outcomes. The initiative also aims to strengthen clinical validation pathways, and collaborative innovation in digital healthcare.







Inauguration of LAUNCHPAD

DRISHTI in collaboration with MPSeDC, DST, GoMP inaugurated the LAUNCHPAD Innovation & Incubation Centre in the presence of Hon'ble CM of Madhya Pradesh, Dr. Mohan Yadav, along with Dr. K. Sivan. Established as a deep-tech innovation and incubation centre, it supports technology translation and startup growth in MP.

SwasthyaXR: AR/VR Innovation Lab

The SwasthyaXR AR/VR Innovation Lab at IIT Indore supports digital healthcare innovation through immersive technologies, simulation-based training, and hands-on prototyping based on real-world clinical problem statements. Supported through CSR initiatives, the lab is equipped with advanced AR/VR platforms for healthcare innovation.







Digital Healthcare Skilling Lab

The Digital Healthcare Skilling Lab inaugurated by Shri Saket Chaturvedi. CEO, MiG Complex, Hindustan Aeronautics Limited (HAL), Nashik, supports hands-on training and technology-driven learning in digital healthcare. The facility enables exposure to AI, simulation systems, and emerging healthcare technologies, strengthening practical skills and interdisciplinary innovation.

EMI/EMC Testing Laboratory

The EMI/EMC Testing Laboratory has been established to support product validation and compliance testing for electronic and healthcare technologies. It is equipped with advanced instrumentation for emission and immunity testing; the facility enables testing as per international standards.

Expanding Reach through National/ International Platforms



DISHA 2.0: Advancing Digital Healthcare Innovation

DISHA 2.0, implemented by IITI DRISHTI CPS Foundation under NM-ICPS (DST, Government of India), is driving the next wave of deep-tech innovation in digital healthcare. The program supports startups and research projects through mentorship, validation, IP support, and commercialization pathways. The DISHA 2.0 Award Ceremony, held at IIT Indore, brought together innovators, clinicians, and researchers, showcasing solutions across clinical decision support, medical imaging, digital twins, and data-driven healthcare platforms. The program received 286 applications nationwide, with 21 startups, 29 projects, and 6 fellowships selected, supported through a total funding outlay of ~□15 Crore.

Intellectual Property Facilitation Centre (IPFC) at DRISHTI

IITI DRISHTI CPS Foundation has been entrusted by the Ministry of MSME, Government of India, under the MSME Innovative Scheme, to establish an Intellectual Property Facilitation Centre (IPFC) at IIT Indore. The centre provides end-to-end IP support to MSMEs, startups, and innovators, including patent search, drafting, filing, and post-filing services across patents, trademarks, designs, and geographical indications.

Through expert guidance in IP identification, protection, and management, the IPFC aims to enable the transition of ideas into market-ready solutions, strengthening IP awareness, commercialization, and innovation-driven growth across Madhya Pradesh and Central India. DRISHTI also organized multiple IPR awareness programs across various cities in Madhya Pradesh, including Barwani, Alirajpur, and Jhabua, targeting MSMEs and startups to promote intellectual property awareness and support innovation.











Stakeholders Engagement in Technology Upgradation (SETU-26)

Organized by DRISHTI, IIT Indore, SETU 2026 was a two-day national-level conclave bringing together 46 startups, 15 industry partners, 18 investors, 12 AIIMS and medical institute representatives, and 10 dignitaries. The event featured technology demonstrations, expert sessions, and high-impact panel discussions, focusing on technology translation, clinical validation, investment readiness, and industry adoption in digital healthcare and deep-tech domains. Through Demo Day interactions and industry–academia collaboration, SETU showcased the journey from research to scalable real-world solutions.

IndiaAI Engagements and Regional Impact

DRISHTI, IIT Indore participated in the IndiaAI Summit at New Delhi and its regional extension, RAIIC 2026 (Bhopal), showcasing AI-driven healthcare solutions such as CDSS and Smart ICU Monitoring. Representing Madhya Pradesh alongside MPSeDC, DRISHTI engaged with policymakers and stakeholders, demonstrating real-world applications of CPS and AI.





Strategic Collaboration with SCTIMST

DRISHTI is collaborating with the Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum—an Institute of National Importance under the DST—to establish a long-term framework for joint research, clinical validation, and translational innovation across digital healthcare, medical technologies, digital twins, simulation systems, and AI/ML-driven solutions. As part of this collaboration, key healthcare projects in the pipeline include an interstage monitoring system for critical coronary heart disease in infancy and an online pre-operative triage and virtual airway assessment platform.

Global Incubation Support: GIZ BID Programme

IITI DRISHTI CPS Foundation has been entrusted by GIZ (Deutsche Gesellschaft für Internationale Zusammenarbeit) to support cohorts of Business Ideas for Development (BID) startups in India through structured incubation and acceleration. The initiative focuses on enabling diaspora entrepreneurs by providing mentoring, business coaching, and ecosystem support to translate ideas into scalable ventures. This includes guidance on business model development, regulatory and compliance aspects, market access, and investor readiness, along with facilitating connections with stakeholders across India and Germany.





Strengthening Defence–Healthcare–Technology Collaboration

DRISHTI hosted Air Marshal Shankar Subramanian along with a senior defence healthcare delegation from MH Mhow and MCTE, Mhow at IIT Indore, enabling discussions with institutional leadership and faculty on advancing digital healthcare and translational research. The visit included interactions at the Charak Centre, showcasing ongoing initiatives and startup-led solutions aligned with defence healthcare needs.

Bharat Innovates 2026

DRISHTI CPS, IIT Indore is actively contributing to Bharat Innovates 2026 as the Healthcare & MedTech Domain Coordinator, supporting startup evaluation, mentoring, and investor engagement. The team participated in national basecamps at IIT Gandhinagar and IIT Bombay, along with the Deep-Tech Pre-Summit, engaging with startups, mentors, and ecosystem stakeholders. These efforts strengthen collaboration and accelerate the translation of deep-tech innovations into real-world impact.





Suzuki Innovation Centre Visit

Representatives from the Suzuki Innovation Centre (SIC) visited DRISHTI CPS at IIT Indore to explore collaborative opportunities in digital innovation, technology translation, and social impact. As part of Next Bharat Ventures, SIC serves as a platform connecting academia, industry, and startups across India and Japan. The interaction focused on identifying synergies for joint initiatives and fostering global partnerships to drive innovation-led development.

Center for Pedagogy and Curricular Excellence (CPCE)



The Center for Pedagogy and Curricular Excellence (CPCE) at Indian Institute of Technology Indore is an interdisciplinary academic center focused on advancing educational quality, teaching effectiveness, and student-centered learning methodologies. The center aims to build a strong ecosystem for futuristic pedagogy and curriculum development by integrating expertise across technical disciplines and introducing multi-faceted, learner-centric approaches. CPCE supports the national vision of educational transformation by promoting research and instructional practices aligned with strategic frameworks such as the National Education Policy (NEP) and Outcome-Based Education (OBE). The center plays a vital role in organizing structured orientation initiatives, including specialized Faculty Development Programs (FDPs) on Pedagogy and Teaching Excellence, alongside dedicated Teaching Assistant Training Programs.

The center has contributed to strengthening IIT Indore's growing academic ecosystem through collaborative educational initiatives, advanced instructional frameworks, and pedagogical innovation. CPCE encourages academic upskilling and supports the development of next-generation curricula relevant to evolving institutional and national requirements. The center is also involved in training educators and researchers in emerging instructional areas, including student-centered attainment-focused approaches, modern classroom management, and innovative educational tools. Its long-term vision includes developing secure, scalable, and impact-driven technologies for educational technology expansion, curriculum modernization, and external faculty development programs. CPCE is supported by faculty members from multiple departments of IIT Indore committed to institutional excellence, continuous pedagogical growth, and curriculum refinement. The operational milestones and structural expansion of the center are systematically managed by its dedicated core group and administrative team.

Associated Faculty Members



Prof. Pramod S Mehta (Advisor)
Visiting Distinguished Professor, Department of Mechanical Engineering & Humanities and Social Sciences
Email: psmehta@iiti.ac.in
Research Areas: Combustion, Alternative Fuels/Bio-fuels, Automotive Pollution, and Internal Combustion (IC) Engines, Curriculum and Pedagogy



Dr. Priyank J. Sharma (Convener)
Assistant Professor, Department of Civil Engineering
Email: priyanksharma@iiti.ac.in
Research Areas: Hydroclimatology and climate extremes, non-stationary frequency analysis, compound extreme event characterization, streamflow forecasting using hybrid data-driven and physics-based models, reservoir operation optimization, climate change impact assessment on basin-scale hydrology, and statistical analysis of hydro-meteorological variables.

Dr. Ayan Mondal (Co-convener)
Assistant Professor, Department of Computer Science and Engineering
Email: ayanm@iiti.ac.in
Research Areas: Internet of Things (IoT), Edge Intelligence, 6G, Quantum Networks



Dr. Pravarthana Dhanpal
Assistant Professor, Department of Chemistry
Email: dpravarthana@iiti.ac.in
Research Areas: Physical chemistry of electrochemical interfaces, advanced energy materials, scanning probe microscopy, aqueous/solid-state batteries, ion-modulated materials, and artificial synapse/memristive devices.



Dr. Sivaraj Mohana Sundaram
Assistant Professor, Mehta Family School of Biosciences and Biomedical Engineering
Email: sivarajms@iiti.ac.in
Research Areas: Brain metabolism, Brain developmental disorder, Autism spectrum disorder, Hormonal regulation in the nervous system



Dr. Dishari Chattaraj
Assistant Professor, School of Humanities and Social Sciences
Email: dishari@iiti.ac.in
Research Areas: Higher Education, Curriculum and Pedagogy, Applied Linguistics, Critical Food Studies.



All of us contributed to teaching–learning and academic training activities, including TA orientation/training, outcome-based teaching practices, and active-learning approaches for engineering and science education.

Highlighted Events:

- Teaching Assistant Orientation Program (TAOP) at IIT Indore on March 9, 2026.
- Teaching Assistant Orientation Program (TAOP) at IIT Indore on May 15, 2026.
- One-day faculty development workshop on "Pedagogy, Curricular Excellence & NIRF Ranking" at the S D Bansal College, Indore, under the AICTE Margdarshan Scheme on October 16, 2025.
- One-day faculty development workshop on "Pedagogy, Curricular Excellence & NIRF Ranking" at the S D Bansal College, Indore, under the AICTE Margdarshan Scheme on March 28, 2025.
- Proposed a new course on "Understanding Harmony" for the UG Students at IIT Indore.

Centre for Narmada River Basin Management Studies (CNRBM)

(cNarmada), IIT Indore
Initiated by Ministry of Jal Shakti, Government of India

About the Centre

The Centre for Narmada River Basin Management Studies (cNarmada) at IIT Indore was established in July 2024 under the Nirmal Dhara initiative of the Ministry of Jal Shakti, Government of India. The Centre is dedicated to developing an integrated river basin management plan for the restoration and conservation of the wholesomeness of the Narmada River by improving its ecological health, which has been significantly affected by competing human demands for river resources. The Centre's work focuses on five fundamental pillars: Continuous River Flow (Aviral Dhara), Unpolluted River Flow (Nirmal Dhara), Longitudinal and Lateral Connectivity, Adequate Space for all Essential River Functions, and Functioning of the River as an Ecological Entity. The Centre conducts comprehensive condition assessment and management planning (CAMP) for the Narmada River basin, jointly with IIT Gandhinagar as the consortium institute, with progress monitoring by cGanga at IIT Kanpur.

Number of Faculty Members	06
Professor	03
Associate Professor	00
Assistant Professor	03
Research Associates (Post-Doctoral)	03
Research Scholars (PHD)	06
Project Staff / Field Assistants	03

Notable R&D Activities

1. First Joint Review Committee (JRC) Meeting at IIT Indore

The first JRC meeting for the cNarmada was held at IIT Indore on May 22, 2024, with participation from project investigators, domain experts, and monitoring agencies. The meeting reviewed project progress, methodology, and deliverables across all thematic groups.

Distinguished Guests:

- Prof. Suhas S. Joshi - Director, IIT Indore
- Prof. Vinod Tare - Professor, IIT Kanpur and Pioneer of the cGanga Programme
- Prof. Pranab Kumar Mohapatra - Professor, IIT Gandhinagar

2. Inauguration of the Centre for Narmada River Basin Management Studies

The Centre was inaugurated at IIT Indore on July 14, 2024, marking the formal establishment of the cNarmada initiative. The inauguration event featured a one-day workshop on "Narmada River Basin Management: Issues and Challenges," bringing together M.Tech and Ph.D. students, research staff, interns, faculty members from IIT Indore and IIT Gandhinagar, and other stakeholders to discuss critical aspects of river basin management.

Distinguished Guests:

- Dr. Sameer V. Kamat - Secretary, Department of Defence R&D, Government of India, and Chairman, DRDO (Chief Guest)
- Dr. K. Sivan - Chairperson, Board of Governors, IIT Indore
- Prof. Suhas S. Joshi - Director, IIT Indore
- Prof. Vinod Tare - Professor, IIT Kanpur and cGanga Programme
- Mr. Mukesh Chauhan - Narmada Control Authority (NCA)
- Dr. Rahul Banerjee - Representative, MAJLIS
- Mr. Satyasovan Das - Representative, Foundation for Ecological Security (FES)
- Mr. Sandeep Khanwalkar - Representative, Eco Soul Enviro Pvt. Ltd.
- Mr. SitaRam Tagore - Environment Specialist
- Mr. Hari Singh Singad - Representative, Shivaganga Samagra Gram Vikas Parishad
- Mr. Sunil Vyas - Senior Environment Scientist (Retd.), Madhya Pradesh Pollution Control Board (MPPCB), Madhya Pradesh

3. Hydro-meteorological Data with Standards Workshop

A one-day workshop on "Hydro-meteorological Data with Standards" was conducted on December 11, 2024, with 51 participants. The workshop focused on the role of BIS standards in ensuring quality and consistency of hydro-meteorological data collection, processing, and application for river basin management.

Distinguished Guests

1. Prof. Ramesh Teegavarapu - Professor, Atlantic Florida University
2. Mr. Dushyant Prajapati - Head, Water Resources Department, Bureau of Indian Standards (BIS)
3. Dr. Nitin Joshi - Faculty Member, IIT Jammu
4. Standards in Measuring Water Quality Workshop

A one-day workshop on "Standards in Measuring Water Quality" was held on January 4, 2025, with 50 participants. The workshop addressed the role of BIS standards in ensuring safe drinking water quality, water quality monitoring protocols, and their application in the Narmada River Basin context.

Distinguished Guests

1. Prof. Ajay Kalamdhad - Professor, IIT Guwahati
2. Prof. Deepak Khare - Professor, IIT Roorkee
3. Prof. P. Shankar Ganesh - Professor, BITS Pilani, Hyderabad Campus
4. Ms. Nitasha Doger - Scientist-E and Director, Bureau of Indian Standards (BIS)
5. Narmada River Basin Management Studies (NRBMS) Workshop

A two-day workshop on Narmada River Basin Management Studies was hosted by IIT Indore on January 16-17, 2025, with 48 participants from various organizations across Madhya Pradesh. The workshop focused on discussion of ecological concerns, erosion issues, and integrated management approaches for the Narmada River Basin, bringing together experts from multiple disciplines including hydrology, geomorphology, ecology, and policy planning.

Distinguished Guests

1. Shri Ashish Dutta - Member (Power), Narmada Control Authority (NCA)
2. Prof. Suhas S. Joshi - Director, IIT Indore
3. Prof. Manish Kumar Goyal - Convener, cNarmada, IIT Indore
4. Prof. Pranab Kumar Mohapatra - Professor, IIT Gandhinagar
5. Mr. Manoj Joshi - Representative, Narmada Samagra
6. Mr. Neelesh Kataria - Environmental Conservationist and Representative, Narmada Samagra

6. Sustainable Water Management: Policy, Technology, and Climate Resilience Workshop

A comprehensive one-day workshop was organized on March 22, 2025, on the occasion of World Water Day, with 78 participants. The workshop focused on sustainable water management practices, policy frameworks, technological interventions, and climate resilience strategies for the Narmada River Basin.

Distinguished Guests

1. Prof. Suhas S. Joshi - Director, IIT Indore
2. Shri Pushpendra Singh - MPWRD
3. Dr. Gaurav Kumar - Water Resources Expert
4. Dr. Manoj Kumar Kurmi - Archaeologist
5. Prof. Kanhaiya Ahuja - Professor, IIT Indore

7. Policy Frameworks for Sustainable Development and Integrated Approaches Workshop

A one-day workshop was conducted on May 29, 2025, with 53 participants, examining policy frameworks for sustainable development and integrated approaches specific to Narmada River Basin Management. The workshop addressed the intersection of environmental policy, legal frameworks, and on-ground implementation challenges.

Distinguished Guests

1. Dr. Akhilesh Gupta - Former Senior Adviser, Department of Science and Technology (DST), Government of India
2. Prof. Ashutosh Sharma - President, Indian National Science Academy (INSA) and Former Secretary, Department of Science and Technology (DST), Government of India
3. Prof. V. V. Srinivas - Professor, Indian Institute of Science (IISc), Bangalore
4. Prof. S. N. Narulkar - Professor, Shri Govindram Seksaria Institute of Technology and Science (SGSITS), Indore

8. National Water Conference 2026

The National Water Conference 2026 themed on "Advancing Water Resources for a Sustainable and Resilient Future," with over 150 participants was organized by the Mehta Family School of Sustainability and the Department of Civil Engineering, IIT Indore, on 24 March 2026 at the Nalanda Auditorium, IIT Indore. The conference brought together researchers, policymakers, and practitioners to deliberate on emerging challenges, innovations, and sustainable solutions in water resources management.

1. Shri. John Kingsley - Managing Director, MP Industrial Development Corporation and Secretary Govt of MP, Department of Industrial Policy and Investment Promotion
2. Prof. A. K. Nema - Deputy Director, IIT Delhi

Research Area and Highlights

River Basin Management, Integrated Water Resources Management, Climate Extremes and Climate Change Assessment, Flood Hazard Modeling, Water Quality Monitoring and Assessment, Land Use / Land Cover Change Analysis, Remote Sensing and GIS Applications, Hydrological Modeling, Groundwater Assessment, Geomorphological Mapping, River-People Connect, Environmental Policy and Governance, Ecological Assessment, Pollution Source Mapping and Load Estimation, Agricultural and Industrial Profile Assessment, Socio-Economic Impact Analysis, and River Health Monitoring Protocol Development.

Publications: 37 Project Reports

Project Investigators (PIs):

Prof. Manish Kumar Goyal (PI)



Professor, Department of Civil Engineering, Mehta Family School of Sustainability (MFSoS), IIT Indore, Chair Professor-BIS Standardization
Email: mkgoyal@iiti.ac.in, prof_incharge_cnarmada@iiti.ac.in

Research Areas: Water resources management, climate change impact assessment, hydrological modeling, remote sensing and AI applications in hydrology, wetland conservation and restoration, air quality prediction, big data analytics for environmental systems, flood and drought risk assessment, and smart city water infrastructure planning.

Prof. Pritee Sharma (Co-PI)



Professor and Head, Mehta Family School of Sustainability (MFSoS), IIT Indore
Email: psharma@iiti.ac.in

Research Areas: Natural resource economics, agricultural policy and land-water resource allocation, food security and rural poverty analysis, climate change resilience and adaptive capacity assessment, environmental and development economics, WTO and trade concerns of developing countries, energy policy, and institutional economics for sustainable resource governance.

Prof. Kiran Bala (Co-PI)



Professor, Mehta Family School of Sustainability (MFSoS), IIT Indore
Email: kiranbala@iiti.ac.in

Research Areas: Algal biotechnology for wastewater treatment and bioremediation, biofuel and bioplastic production from microalgae, carbon dioxide sequestration using algal systems, biosynthesized algal nanoparticles for environmental remediation, decentralized water treatment technologies for grey-water, sewage, and industrial effluents, and integrated biorefinery approaches for sustainable resource recovery.

Dr. Priyank J. Sharma (Co-PI)
Assistant Professor, Department of Civil Engineering, IIT Indore
Email: priyanksharma@iiti.ac.in



Research Areas: Hydroclimatology and climate extremes, non-stationary frequency analysis, compound extreme event characterization, streamflow forecasting using hybrid data-driven and physics-based models, reservoir operation optimization, climate change impact assessment on basin-scale hydrology, and statistical analysis of hydro-meteorological variables.

Dr. Mayur Shirish Jain (Co-PI)
Assistant Professor, Department of Civil Engineering, IIT Indore
Email: mayur.jain@iiti.ac.in



Research Areas: Solid and hazardous waste management, rotary drum composting and nutrient recovery, biochar-enhanced composting and anaerobic digestion, water quality assessment and contaminants of emerging concern, circular economy frameworks aligned with UN SDGs, soil revitalization, and techno-economic sustainability assessment of waste treatment systems.

Dr. Ashootosh Mandpe (Co-PI)
Assistant Professor, Department of Civil Engineering, IIT Indore
Email: amandpe@iiti.ac.in



Research Areas: Solid and hazardous waste management, landfill engineering and leachate treatment, bioremediation of contaminated sites, environmental impact assessment, waste-to-energy technologies, circular economy and resource recovery, sustainable waste management practices for industrial and municipal solid waste, and groundwater contamination assessment.

Contact:
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Khandwa Road, Simrol, Indore - 453552, Madhya Pradesh

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LinkedIn: https://www.linkedin.com/company/cnarmada-iit-indore
Project Portal: https://cnarmada.org















Convocation Report Preparation Team:

1. Prof. Pritee Sharma (Convenor)	3. Mr. Tanmay Vaishnav (Member)	5. Mr. Abhishek (Member)
2. Dr. Dishari Chattaraj (Member)	4. Dr. Ripan Ranjan Biswas (Member)	6. Mr. Shishir Kumar (Member)

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चतुर्दश दीक्षांत समारोह प्रतिवेदन



14th Convocation Report

2025-26



Volume - II
Faculty Profiles





भारतीय प्रौद्योगिकी संस्थान इंदौर
Indian Institute of Technology Indore

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भारतीय प्रौद्योगिकी संस्थान इंदौर
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Faculty Profiles

Department of Astronomy, Astrophysics and Space Engineering



Prof. Saurabh Das
Associate Professor and Head of Department
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PhD, University of Calcutta/ Space Applications Centre, ISRO

Details of Research Area: My research focuses on the intersection of atmospheric sciences, remote sensing, and space weather, with a specific emphasis on tropical regions. For nearly two decades my research has been dedicated to the development and application of novel remote sensing techniques for understanding and modeling of the near-earth space environment and atmospheric processes. I leverage multi-sensor observations—including Doppler Weather Radars, NavIC/GPS, in-situ and satellite observations—alongside advanced Machine Learning and Deep Learning frameworks to model complex atmospheric and space weather phenomena. My work aims to improve the predictability of extreme weather events (such as tropical cyclones and intense rainfall), characterize precipitation microphysics, and mitigate the effects of atmospheric and ionospheric disturbances on satellite-based navigation and communication systems with the ultimate goal to enhance the accuracy of atmospheric monitoring and forecasting systems.

Details of Research Highlights: We are working on understanding and nowcasting extreme weather events using Numerical Weather Prediction (NWP) and Doppler Weather radar (DWR). Both tropical and polar atmospheres are of crucial interest to this group. Our major focus is on quantitative precipitation estimation and parameter retrieval from satellite and radar remote sensing observations. Our group members regularly participated in Indian Arctic Expeditions and are also focused on studying the polar precipitation characteristics. We also try to decode the coupling between the upper and lower atmosphere, which is crucial for communication, navigation, and remote sensing satellites, as well as for the NWP models. The focus revolved around the extreme events like thunderstorms that result in perturbations in the atmosphere, as well as the geomagnetic storms that perturb the atmospheric electricity and cloud formation. We are also actively involved in developing machine learning and AI algorithms for DWR calibration, space weather forecasting, thunderstorm and lightning predictions, cyclone and convective cell tracking, hyperspectral remote sensing, and drone-based image processing.



Prof. Abhirup Datta
Professor and Dean of Research & Development
abhirup.datta@iiti.ac.in
PhD, New Mexico Institute of Mining and Technology (NMIMT)/
National Radio Astronomy Observatory (NRAO), USA

Details of Research Highlights:

1) Observational Cosmology - Study of the Early Universe in the Dark Ages, Cosmic Dawn, and Epoch of Reionization – HI 21cm Cosmology – Simulation, Modeling, Observations, and Data Analysis;
2) Large Scale Structures: Radio and X-ray Observations of Clusters of Galaxies;

3) Square Kilometre Array - Data Processing and Key Science Working Group;
4) Techniques: Aperture synthesis, Calibration Effects, Imaging in Radio Interferometry, and Goniopolarimetry;
5) Space Weather and Ionosphere: Using GNSS, NaVIC, and low-frequency radio astronomy;
6) Multi-wavelength observations of the Radio Deep-fields, Multi-messenger Astronomy AstroStatistics;
7) Machine Learning and Big Data;

Prof. Bhargav Vaidya
Associate Professor
bvaidya@iiti.ac.in
PhD, Max Planck Institute for Astronomy, Heidelberg, Germany



Details of Research Area: The research emphasis during the aforementioned time period can be divided into two distinct categories: A) The group has been engaged in the development of numerical frameworks capable of bridging the gap between microphysical processes and large-scale dynamics in astrophysical and space plasma environments. In this regard, we have simulated and quantified the effect of particle acceleration at sub-parsec and parsec scales in AGN jets and within the inner heliosphere as a result of CME-generated shocks. B) The second objective was to adopt a General Relativistic Magneto-hydrodynamics code in order to comprehend the complex dynamics of accretion flow in the vicinity of a supermassive Black Hole.

Prof. Suman Majumdar
Associate Professor
suman.majumdar@iiti.ac.in
PhD, Indian Institute of Technology Kharagpur



Research Area: Cosmology with Statistical Inference, Cosmic Dawn and Epoch of Reionization, Cosmology with Multiwavelength Line Intensity Mapping, 21-cm Cosmology, Square Kilometer Array, Simulations of CD-EoR and Large Scale Structures, N-body Simulations, Statistical Inference, Low Frequency Radio Interferometry, Search for ExtraTerrestrial Intelligence (SETI).

Research Highlights:

1. We have developed comprehensive fast simulations for the Line Intensity Mapping (LIM) of the early galaxies and the intergalactic medium (IGM) from the Cosmic Dawn, to be observed via far infrared (e.g. COMAP, COMCERTO, FYST, CCAT-p) and radio (e.g., GMRT, MWA, LOFAR, and SKA) experiments.
2. We have demonstrated that it is possible to distinguish the physical processes and the nature of the sources during the Cosmic Dawn through the 21-cm signal bispectrum measured through SKA.
3. We are the first to demonstrate that one can improve the constraints on Cosmic Dawn parameters through the 21-cm bispectrum compared to its power spectrum.
4. We have developed fast emulators for the 21-cm power spectrum and bispectrum using Artificial Neural Networks and Bayesian Neural Networks. This has sped up the estimation of signal statistics, which is further used in a Bayesian inference pipeline for parameter estimation.

5. We have demonstrated that the cross-correlation between the CII/CO and 21-cm LIMs of Cosmic Dawn will allow us to better recover the reionization history, compared to the auto-correlation of these signals.
6. We have further shown that the morphology of the 21-cm field, estimated via the Largest Cluster Statistics of the 21-cm LIM from Cosmic Dawn can distinguish between inside-out and outside-in reionization scenarios.
7. The first DAASE article on the Search for ExtraTerrestrial Intelligence (SETI) has been published in 2024 in the Monthly Notices of the Royal Astronomical Society, with a significant contribution from our research group, attracting significant attention from the national and international media.
8. We have led 2 chapters and contributed to 4 more chapters of the upcoming 'Advancing Astrophysics with the SKA II' science white book for SKA.

Prof. Manoneeta Chakraborty



Associate Professor
manoneeta@iiti.ac.in
PhD, Tata Institute of Fundamental Research (TIFR)

Research Area: Compact Objects, Neutron stars, Black holes, Pulsars, Magnetars, X-ray binaries, ULXs, EM counterparts of Gravitational waves, Transients, Fast Radio Bursts, Multi-wavelength high time-resolution Astronomy, High-energy Astronomy, Radio Astronomy, Pulsar timing, Gravitational waves.

Research Highlights:

- Investigation of accretion physics and strong gravity signature through emission and variability studies of X-ray binaries using data from national and international missions.
- Study of thermonuclear flares, flame propagation, and associated burst-accretion interaction along with orbital evolution from eclipses.
- Study of long-term variability behaviour in X-ray binaries for probing disk structure.
- Investigation of pulsar emission mechanism through single pulse study and polarimetric characteristics.
- Development of pipeline for pulsar timing in high energies for constraining systematics in the pulsar timing parameters.
- Wideband studies to characterize pulse emission variability systematics (pulse jitter) in timing residuals.
- Outlier studies of DM (dispersion measure) variation in pulsars and the effect of solar activity.

Prof. Amit Shukla



Associate Professor
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PhD, Indian Institute of Astrophysics, Bangalore

Research Area: My primary research interest is to study gamma-ray Astronomy, Active galactic nuclei, Blazars, High Energy Astrophysics using Multi-wavelength & multi-messenger observations. In particular, my research interests include the study of astrophysical jets of Active Galactic Nuclei (AGN), GRBs.

Prof. Narendra Nath Patra
Assistant Professor Grade I
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PhD, National Centre for Radio Astrophysics, Tata Institute of Fundamental Research



Research Highlights:

1. We have investigated the star forming regions in nearby galaxies and examined its connection to the ISM.
2. We have developed parallel algorithms to identify galaxies in a large HI spectral cube.
3. We have conducted an HI GMRT archival survey to form a large sample to investigate key sciences related to galaxy formation and evolution.

Projects Active:

1. Investigating galaxy formation and Evolution process using observation of nearby galaxies.
2. Developing digital backend for IIT Indore Radio Interferometer

Prof. Unmesh Khati
Assistant Professor Grade I
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PhD, Indian Institute of Technology Bombay



Research Highlights: Spaceborne tomography at X- and P-band for vertical structure determination. Assessment of ecosystem science product algorithms for NISAR mission. Using polarimetric and interferometric products for applications in forestry, change mapping, global carbon dynamics, crop phenology and agriculture domains. Global remote sensing product generation using cloud computing platforms like ESA-NASA Multi-Mission Analysis and Algorithm Platform (MAAP). UAV photogrammetry, UAV sensor integration and applications in surveying, target detection and recognition, classification and monitoring.

Prof. Priyanka Singh
Assistant Professor Grade I
psingh@iiti.ac.in
PhD, Raman Research Institute,
Bangalore



Research Area: Circumgalactic medium, Sunyaev-Zel'dovich effect and X-ray emission, Galaxy evolution in extreme environments, Cosmological simulations. The primary areas of our research group include the circumgalactic medium and its role in galaxy evolution, constraining cluster cosmology and astrophysics with hydro-dynamical simulations, and galaxy quenching in dense cluster environments using multi-wavelength datasets.

Prof. Soumavo Ghosh
Assistant Professor Grade I
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PhD, Indian Institute of Science (IISc), Bangalore



Research Highlights: Galaxy dynamics and evolution, Dynamical modelling of Milky Way-like galaxies, Formation of Bar & boxy/peanut formation & survival in disk galaxies (JWST+ simulation), Milky Way dynamics (Gaia Data + numerical simulation), Dynamical impact of mergers in disk galaxies (IFU data + numerical simulation), Generation & survival of spiral arms in disk galaxies (JWST+ SDSS+ numerical simulation), Numerical simulations of isolated disk galaxies, Formation & evolution of m=1 lopsidedness

Prof. Prakash Gaikwad
Assistant Professor Grade I
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PhD, National Centre for Radio Astrophysics, TIFR, Pune



Research Highlights: Intergalactic medium, Epoch of hydrogen and helium Reionization, Cosmology with Large Scale Structures, Astrophysics of Galaxy Formation and Evolution, High redshift galaxies, Observations: Quasar + Galaxy absorption spectroscopy, Simulations: Cosmological hydro-dynamics, Radiative Transfer, Pipeline development for large spectroscopic surveys for William Herschel Telescope (WEAVE instrument), Thirty Meter Telescope (MODHIS instrument) observatories.

Prof. Deepika Bollimpalli
Assistant Professor Grade I
dbollimapalli@iiti.ac.in
PhD, Nicolaus Copernicus Astronomical Center, Warsaw, Poland



Research Area: Relativistic astrophysics; Accretion discs around compact objects; Cataclysmic variables; variability in X- ray binaries, quasi- periodic oscillations (QPOs), General relativistic magnetohydrodynamic (GRMHD) simulations.

Prof. Mukul Bhattacharya
Assistant Professor Grade I
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PhD, University of Texas, Austin, USA



Research Area: My research involves studying particle acceleration, dynamical evolution, and emission mechanism in energetic astrophysical transients. These include fast radio bursts (FRBs), compact binary (BHNS/BNS) mergers, core-collapse supernovae (CCSNe), tidal disruption events (TDEs) and active galactic nuclei (AGNs). By utilizing various astrophysical messengers e.g. electromagnetic waves, cosmic rays, neutrinos, and gravitational waves, we build detailed theoretical models and reliable numerical simulations to predict future observations from the next-generation multi-messenger facilities.

My ongoing research projects include:

- Investigating magnetar wind nebulae as sources of persistent radio emission in FRBs
- Leveraging GW triggers for targeted follow-up observations of electromagnetic counterparts of binary mergers
- Studying particle acceleration and high-energy neutrino production in magnetized coronal regions of AGNs
- Estimating the abundance of heavy elements via r-process in magnetized NS outflows
- Studying the effect of turbulence on the formation and emission of TeV halos
- Modeling the propagation of magnetized relativistic jets launched from magnetars

Department of Chemical Engineering



HEAD OF THE DEPARTMENT

Prof. Eswara Prasad Korimilli

Associate Professor
eswar@iiti.ac.in
PhD, IISc Bangalore

Research Interests:

- Mechanical Behavior of Materials,
- High-strain-rate Deformation of Materials,
- Micromechanical Testing



CORE FACULTY MEMBERS

Prof. Abhilasha Maheshwari

Assistant Professor
abhilasham@iiti.ac.in
PhD, IIT Bombay

Research Area and Highlights: Process Optimization, Smart Water Infrastructure, AI/ML for Chemical Engineering, Water-Energy Nexus, ZLD systems.

Research at the Sustainable Process Systems Engineering Lab (SPSE) focuses on Systems Scale Modeling, Optimization, and Control Approaches for Water and Energy Systems towards Sustainable Development. We develop Decision Support Systems that include various computational frameworks and models, including reactive-transport modeling, large-scale optimization formulations for network systems, augmented intelligence with data-driven modeling, AI/ML techniques, and first-principles calculations for Water Quality and Energy management.



Prof. Gaurav Chauhan

Assistant Professor
gaurav@iiti.ac.in
PhD, The University of Tennessee, Knoxville

Research Area and Highlights: Phase Separation of Biopolymers, Computational Enzyme Engineering for Biofuel Production.

The research work in the lab of Prof. Gaurav Chauhan focuses on understanding the role of phase separation in biochemical reactions in the cellular milieu. The lab uses molecular modeling tools rooted in statistical mechanics to study control of reactions via phase separation. Using molecular modeling, the lab also designs enzymes to increase the efficiency of biofuel production.

Prof. Jacob John
Assistant Professor
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PhD, IIT Madras



Research Area and Highlights: Soft Matter, Rheology, Bacterial Biofilms, Active Matter at Complex Environments.

Our group studies the mechanics of biological soft and active matter systems. We investigate the mechanobiological principles that govern signal transduction, collective behavior, and biofilm assembly in bacterial systems. In parallel, we design and study synthetic active colloids to understand emergent dynamics in engineered surroundings. We are also interested in understanding how microstructure influences the rheological properties of macromolecules and colloidal assemblies in biological systems. Our research is inherently interdisciplinary, at the interface of engineering, physics, and microbiology, and aims to address challenges in antimicrobial resistance, rheology of complex fluids, and design of responsive soft materials.

Prof. Kanala Venkata Sravana Chaithanya
Assistant Professor
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PhD, IIT Madras



Research Area and Highlights: Microhydrodynamics, Active Nematics, Tissue Mechanics, Vertex Models, and Lattice Boltzmann Simulations.

In the Soft and Living Materials Lab, we work at the interface of physics, biology, and engineering to study how mechanical processes influence the behavior of soft and living systems. These include passive matter like droplets and colloids, and active systems such as bacterial colonies, motile cells, and epithelial tissues. We develop and analyse discrete and continuum models that couple mechanical forces, material properties, and active processes to understand flow, pattern formation, and large-scale organisation in these systems.

Prof. Naveen Agrawal
Assistant Professor
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PhD, Pennsylvania State University



Research Area and Highlights: Heterogeneous Electro/Thermal Catalysis, Electrochemical Kinetic Theory for Catalysis and Energy Storage, Machine Learning Interatomic Potentials for Catalysis, Multi-scale Modeling of Catalytic Processes.

Our research focuses on addressing fundamental materials and chemistry challenges associated with electrochemical and thermochemical energy technologies using first-principles computational methods and closely integrated experimental efforts. We employ Density Functional Theory (DFT), multiscale

modeling, and collaborative experimental studies to investigate reactive and non-reactive processes occurring at complex catalytic interfaces under operating conditions. The long-term vision of the group is to develop an open-source computational ecosystem that integrates atomistic simulations, electrochemical kinetics, experiments, and reactor-scale modeling to establish predictive design principles for catalytic materials and sustainable energy conversion technologies.

Prof. Preetika Karnal
Assistant Professor
karnal@iiti.ac.in
PhD, Johns Hopkins University



Research Area and Highlights: Soft Materials, Interfacial Mechanics, Surface Science, Adhesion, Contact Mechanics, Instabilities.

Prof. Preetika Karnal's lab investigates the mechanics of soft materials, with a focus on interfacial phenomena, adhesion, and instabilities. Combining experimental and modeling approaches, the research explores contact mechanics and thin film behavior to understand and engineer material responses. Applications span medical devices, energy storage (batteries), and sustainable polymer upcycling, advancing both fundamental science and practical solutions in soft matter systems.

Prof. Rajan Singh
Assistant Professor
rsingh@iiti.ac.in
PhD, IIT Delhi



Research Area and Highlights: Heterogeneous catalyst, Reaction kinetics and reactor design, CO2 capture and conversion, Hydrogen production, thermochemical water splitting.

In the catalysis and sustainable energy lab, we work on catalyst and material development for CO2 capture and its conversion to fuel and chemicals. The work includes an in-depth characterization of the material and developing a structure-activity relationship and reaction kinetic model for the reaction. Further, we also work in hydrogen production from biomass pyrolysis.

Prof. Ranjeet Kumar
Assistant Professor
ranjeetk@iiti.ac.in
PhD, University of Wisconsin-Madison



Research Area and Highlights: Process Systems Engineering, Optimization, Advanced Control, Stochastic Model Predictive Control, AI/ML for Chemical Engineering and Energy Systems.

Prof. Ranjeet Kumar's group works on research that bridges multiple areas including optimization, stochastic optimization, model predictive control (MPC), stochastic MPC, data science, artificial intelligence/machine learning (AI/ML), and statistics. The goals of the research are to develop efficient, advanced optimization and control algorithms with physics-informed AI/ML models for chemical processes and modern energy networks in India. Application areas of the research include chemical processes and energy systems such as residential and commercial buildings, battery systems, electric vehicles, and electricity markets.

Prof. R. Kailasham
Assistant Professor
rkailasham@iiti.ac.in
PhD, IIT Bombay – Monash Research Academy



Research Area and Highlights: Polymer Physics, Rheology, Active Matter, Nonequilibrium Statistical Mechanics, Brownian Dynamics Simulations, Stochastic Thermodynamics, and Colloidal Hydrodynamics.

The Non-equilibrium Soft Materials (NEqSMat) group performs theoretical and computational research on dissipation quantification in soft condensed matter driven away from equilibrium. Quantifying the connection between energy dissipation at the microscale and the dynamic response of materials at the macroscale is crucial for optimizing processing conditions and enhancing the performance and properties of soft materials. A few representative projects and potential applications include the development of a design criterion for the synthesis of artificial organs and the design of self-propelled colloids for environmental remediation.

Prof. Rupanjali Prasad
Assistant Professor
rupanjali.prasad@iiti.ac.in
PhD, IIT Gandhinagar



Research Area and Highlights: Crystallization, Particle Engineering, Drug Polymorphism, Online Process Monitoring, Process Analytical Technology, Molecular Modeling.

At the Process Research in Advanced Solids And Dynamics (PRASAD) Lab, we work at the interface of crystallization engineering, spectroscopy, and process systems engineering. Our research focuses on understanding how molecular interactions and process conditions govern solid-liquid systems. We investigate crystallization phenomena such as polymorphism, particle formation, morphology evolution, and slurry dynamics using advanced Process Analytical Technology (PAT) tools and molecular modeling approaches. We are interested in understanding how crystals form, evolve, and behave under different process conditions, and how these processes can be monitored and controlled in real time. Applications of our research span the pharmaceutical, battery and energy materials, and broader chemical process industries.



Prof. Srashtasrita Das

Assistant Professor
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PhD, Karlsruhe Institute of Technology (KIT) / DESY

Research Area and Highlights: Heterogeneous Catalysis, Catalyst Characterization, Hard X-ray Imaging and Spectroscopy, Reactor Development, Sustainability.

Our lab investigates the physicochemical changes of heterogeneous catalytic systems. Combining advanced reactor development with multiscale and multimodal hard X-ray imaging, spectroscopy, and electron microscopy, the research explores spatial-, time-, and energy-resolved studies under realistic reaction environments. Applications span across power-to-X technologies, green fuel production, and industrial catalyst design and development, advancing both fundamental structure-activity relationships and practical engineering solutions for global sustainability.

Visiting Distinguished Faculty Members



Prof. Akkibehl K. Suresh

Prof. (Retd.) & Emeritus Fellow,
IIT Bombay
aksuresh@iiti.ac.in
Ph.D., Monash University, Melbourne

Research Areas: The research areas and highlights include Biochemical Engineering, Catalysis, Multiphase Reaction Engineering, Engineering Nanoparticles, and Heat and Mass Transfer.



Prof. Anurag Mehra

Prof. (Retd.), IIT Bombay
anuragmehra@iiti.ac.in
Ph.D., Bombay University

Research Areas: The research areas focus on Carbon Sequestration, technology and society, misinformation in media, digital education through MOOCs, and the political economy of EdTech companies, with an emphasis on the social and policy impact of emerging technologies.



Prof. Nanda Kumar

Prof. (Retd) Louisiana State University
nandkumar@iiti.ac.in
PhD, Princeton University

Research Areas: The research areas focus on Enabling Process Innovation through Computation (EPIC), Multiphase Flows, and Computational Fluid Dynamics (CFD), with emphasis on computer-aided modeling of chemical and electrochemical processes for environmental and energy applications.



Prof. S. Lakshminarayan

Professor, National University of Singapore
laksh@nus.edu.sg
PhD. University of Alberta

Research Areas: The research areas focus on Process and Medical Data Analysis, Modeling and Control of Large-Scale Systems, and the application of Artificial Intelligence in Engineering Education through data-driven and intelligent methodologies.



Prof. Sudarsan Neogi

Prof. (Retd.), IIT Kharagpur
sneogi@iiti.ac.in
Ph.D., Ohio University

Research Areas: The research activities focus on Advanced Material Processing using RF Plasma, including antimicrobial coatings, plasma sterilization, wastewater engineering, polymer composites, and surface engineering for biomedical and environmental applications.

Department of Chemistry



Prof. Biswarup Pathak
Professor
biswarup@iiti.ac.in
Ph.D., University of Hyderabad

Research Area and Highlights: Density Functional Theory, Machine Learning, Artificial Intelligence, Nanocluster, Nanomaterials.

The Computational Materials Research Group, led by Prof. Biswarup Pathak, focuses on understanding the properties of nanomaterials using computational techniques and machine learning-based tools, principally focusing on catalysis and energy generation. Prof. Pathak's group has investigated the structure-activity relationships of finite-size metal clusters/nanomaterials and demonstrated that atomicity, fluxionality, relativistic effects, metal-support interactions, and ligand effects play critical roles in the catalytic properties of clusters.



Prof. Tridib Kumar Sarma
Associate Professor
tridib@iiti.ac.in
Ph.D., Indian Institute of Technology Guwahati

Research Area and Highlights: Nanomaterials, molecular self-assembly, hydrogels, enzyme-mimetics, Aggregation induced emission, drug delivery, biomineralization.

Hydrogels represent a unique class of hierarchical self-assembled soft materials with broad applications in electronic devices, drug delivery, tissue engineering, catalysis, etc. We are developing nucleotide-based hydrogels through interaction with other organic molecules or coordination with metals for enzyme mimetics, drug delivery, antibacterial applications, etc.



Prof. Rajneesh Misra
Professor
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Ph.D., IITK

Research Area and Highlights: Design and synthesize conjugated organic molecules for organic electronics and photonics, such as solar cells, field-effect transistors, light-emitting diodes, and multiphoton absorption.

The Organic Electronics and Photonics Laboratory, led by Prof. Rajnesh Misra, designs and synthesizes conjugated organic molecules for organic electronics and photonics, such as solar cells, field-effect transistors, light-emitting diodes, and multi-photon absorption. They also synthesize multi-stimuli responsive materials, which find applications in sensors, actuators, optoelectronic devices, information storage, and medical applications.



Prof. Anjan Chakraborty

Professor
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Ph.D., IIT Kharagpur

Research Area and Highlights: Spectroscopy, self-assembly, dynamics, photo-physics.

The Chemical Dynamics Lab, led by Prof. Anjan Chakraborty, explores the lipid corona formation around the nanoparticles. The formation of corona around nanoparticles has become of great interest because the corona can be used for preparing engineered which are distributed in biological systems. The impact of external influences such as pH, ionic strength etc., on the lipid corona is also under investigation.



Prof. Apurba Kumar Das

Professor
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Ph.D., Indian Association for the Cultivation of Science (Jadavpur University), Kolkata, India

Research Area and Highlights: Bio-organic Chemistry, Supramolecular Chemistry.

The interests of the Supramolecular Organic Chemistry Research Group, led by Prof. Apurba K. Das, are based on developing new approaches to functional organic molecule synthesis and the influence of noncovalent interactions on structure and function from biology to chemistry to nanoscience. The group is focused on multidisciplinary research involving techniques in chemistry, biology, and nanoscience and has a long-standing interest in medicinal chemistry and electrocatalytic applications of synthesized selfassembled molecular materials.



Prof. Suman Mukhopadhyay

Professor
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Ph.D., Indian Association for the Cultivation of Science

Research Area and Highlights: Organometallic compounds in therapeutics and mechanism, molecular recognition, nanostructured metallogels, metalloenzyme and catalysis, and porous materials.

Prof. Suman Mukhopadhyay's research group synthesizes and studies organometallic ruthenium complexes, their anticancer properties, and their mechanism. They are also synthesizing and studying catalytic properties of metalloenzyme mimics, metal-containing soft materials, porous organic polymers.

Prof. Sampak Samanta
Professor
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Ph.D., Indian Association for the Cultivation of Science, Jadavpur, WB



Research Area and Highlights: Asymmetric synthesis, Heterocycles, Metal mediated synthetic transformation, green chemistry, Total synthesis of biologically active compounds, Medicinal Chemistry, Agrochemicals, Photocatalysts.

Prof. Sampak Samanta's research group synthesizes complex heterocyclic molecules with high biological and medicinal activities. They are interested in pursuing research works on the following topics: (A) Development of organocatalytic, enantioselective organic reactions; (B) Visible-light induced organic transformations using photocatalysts; (C) Metal-free based one-pot techniques for complex heterocycles; (D) Medicinal Chemistry.

Prof. Tushar Kanti Mukherjee
Professor and Head
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Ph.D., Indian Institute of Technology Bombay



Research Area and Highlights: Nanoparticle-Based Bio-imaging Assemblies, Fluorescence Imaging, Quantum Dots and Plasmonic Nanoparticles, Protein-Protein and Protein-NP Interaction, Fluorescence Spectroscopy and Sensing.

Prof. Tushar K Mukherjee's research group is focused on the optoelectronic and photophysical properties of semiconductors and metal nanoparticles. They combine ensemble average fluorescence techniques with single-particle fluorescence microscopy to investigate their photoluminescence properties. The group's goal is to address various chemical and biological problems using these nanoparticles as fluorescent probes.

Prof. Shaikh M. Mobin
Professor
xray@iiti.ac.in
Ph.D., University of Mumbai



Research Area and Highlights: Inorganic Materials Chemistry (For Solid-state Structural Reactivity, MOFs / COFs, Energy Storage, Energy Conversion, Sensing, Biomaterials, catalysis).

Prof Shaik M. Mobin's research group is performing innovative research in the closed loop of Inorganic Chemistry, Organometallics, Nanomaterials, and Biomaterials. Complexes synthesized in the group are employed as single-source molecular precursors for synthesizing novel metal oxide nanoparticles in diverse areas ranging from catalysis for organic transformations, photocatalysts and constructing solar cell devices.

Prof. Satya S. Bulusu
Professor
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Ph.D., University of Nebraska Lincoln



Research Area and Highlights: Development of orbital-free DFT methods using ML. Using GPU, and FPGA to parallelize the interatomic potential of nanoparticles.

The Theoretical and Computational Chemistry group, led by Prof. Satya S. Bulusu, is developing machine learning methods (Artificial neural networks) for chemical problems, modeling atomic environments, and developing sampling algorithms. They are also using hardware technologies to parallelize their programs which will help to extend the above methods to experimentally relevant sizes.



Prof. Sanjay Kumar Singh
Professor
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Ph.D., A.P.S. University, Rewa

Research Area and Highlights: Catalysis; Hydrogen Production and Storage; CO Capture and 2 Conversion; Biomass Valorization; Inorganic and Organometallic complexes; Heterogenous Materials.

The research area of Prof. Sanjay K. Singh's interest broadly lies in the field of catalysis. They are interested in the development of catalysts, optimization of catalytic reactions, understanding the reaction mechanism, and the application of catalysts for essential reactions, such as hydrogen production and storage, biofuel, CO2 capture and utilization, C-H bond activation, and small molecule activation.



Prof. Chelvam Venkatesh
Professor
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Ph.D., Indian Institute of Technology Kanpur

Research Area and Highlights: Total synthesis of biologically significant natural products; Design and synthesis of heterocycles and carbocycles of biological importance; Developing new methodologies for the construction of C-C and C-X (X =N, O, S, P) bonds; Design, synthesis and diagnostic applications of new targeting ligands for cancers and inflammatory diseases; Drug delivery systems, near-infrared fluorescence, nuclear Imaging, and bio-conjugate chemistry; Synthesis of Inhibitors for drug targets.



Prof. Amrendra Kumar Singh
Associate Professor
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Ph.D., IIT Bombay

Research Area and Highlights: Inorganic Synthesis and Catalysis.

Prof. Amrendra K. Singh's group's research focuses on designing new pincer and N-heterocyclic carbene ligands and their transition metal complexes capable of the following type of reactivities- small molecule activation and C-H activation and functionalization. They also investigate fundamental aspects and mechanisms of different processes like CO2 capture, H2 production, development of liquid organic hydrogen carriers, catalytic systems for hydrogenation/dehydrogenation reactions, and catalytic systems for C-C, C-N, and C-O bond forming.



Prof. Abhinav Raghuvanshi
Assistant Professor Grade I
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Ph.D., IIT Bombay

Research Area and Highlights: Inorganic and organometallic functional materials, Luminescent complexes of late transition metals, thermally activated delayed fluorescent (TADF) materials.

The research of Prof. Abhinav Raghuvanshi's group involves a combination of Coordination and organometallic chemistry with various analytical techniques to address the following research objectives:

1. Development of low-cost emitters for energy-efficient visual display based on OLED and LEEC device architectures.
2. Development of sensing materials.



Prof. Dipak Kumar Roy
Associate Professor
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Ph.D., Indian Institute of Technology Madras

Research Area and Highlights: Low-valent s-and p-block compounds and small molecule activation. Multiply bonded main group compounds. Organic-Inorganic hybrid polymers.

The foremost objective of Prof. Dipak K. Roy's research group lies in developing unique and fundamentally important areas of chemistry, particularly the chemistry of deficient oxidation states and low coordination number s- and p-block compounds.

Prof. Selvakumar Sermadurai
Associate Professor
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Ph.D., Indian Institute of Technology Kanpur



Research Area and Highlights: Photo-redox catalysis; Asymmetric synthesis; Synthesis of biologically active natural products; Green chemistry.

Prof. Selvakumar Sermadurai's research group focuses on visible light photoredox catalysis and developing new methodologies using hypervalent iodine reagents. They also work in asymmetric catalysis, synthesis of biologically active natural products, continuous-flow chemistry and green chemistry.



Prof. Umesh Achyutrao Kshirsagar
Associate Professor
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Ph.D., CSIR-National Chemical Laboratory Pune

Research Area and Highlights: Photo-redox Catalysis, C-H Bond Activation, Oxidative Coupling & Cross Dehydrogenative Coupling Reactions, Total Synthesis of Natural Products, Green Chemistry, and Heterocyclic Compounds.

The research of Prof. Umesh A. Kshirsagar's group focuses on developing metal-catalyzed and/or photoredox catalyzed, C-H functionalization, Oxidative Coupling and, Cross Dehydrogenative Coupling (CDC) reactions to create new C-C and C-Heteroatom bonds that meet most of the demands of an ideal synthesis.



Prof. Debayan Sarkar
Professor
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Ph.D., Indian Association for The Cultivation of Science (IACS),
Degree awarded from Jadavpur University

Research Area and Highlights: Visible Light Catalyzed Reactions Electrocatalytic Organic Transformations Total Synthesis of Natural Products and necessary biomolecules Atom economic synthetic transformations Asymmetric Dearomatisation Reactions.

In the last few decades dearomative transformations have grasped the immense attention of chemists. Prof. Debayan Sarkar's research group has been working on tribromide-mediated dearomative intra- or inter-molecular transformations for a long time. This process is robust, scalable, and straightforward. It has been a long-time challenge which has now been accomplished.

Prof. Pravarthana Dhanapal
Assistant Professor Grade I
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Ph.D., CRISMAT Laboratory, CNRS, Caen, France



All-Solid-State-Ionics Controlled Functional Devices; High-Throughput Synthesis; Flexible Functional Materials and Devices.

The research of Prof. Pravarthana Dhanpal's group focuses on two research areas. The first one is ionicsbased control of functional properties of transition metal oxide thin films. The second one is to utilize high throughput synthesis and characterization of metal oxide-based battery cathode thin films.

Department of Civil Engineering



Prof. Gourab Sil

Assistant Professor Grade I and Head of Department
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PhD, Indian Institute of Technology Bombay

Research Area:

- Traffic Engineering
- Highway Consistency
- Highway Safety and Design
- Performance-Based Geometric Design
- Driver Behavior Analysis and Modelling



Prof. Sandeep Chaudhary

Professor (HAG)
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PhD, Indian Institute of Technology Delhi

Research Area and Highlights: Core research area: Sustainable construction materials, Building product engineering and structural engineering.

New materials developed: Identified new non-pathogenic bacteria with self-healing ability; Identified applications for banana fiber; Demonstrated use of plasma treatment for improving aggregate properties. New products developed: Building products prepared using naturally colored composites; A custom mold for direct tensile test of concrete; Molten plastic paver blocks and tiles.



Prof. Neelima Satyam D.

Professor (Institute Chair Professor)
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PhD, Indian Institute of Technology Delhi

Research Area and Highlights: Prof. Neelima Satyam is a Professor in Civil Engineering at IIT Indore. Her research focuses on Geotechnical Earthquake Engineering, including dynamic soil structure interaction, seismic microzonation, liquefaction hazard and mitigation, landslide hazard assessment and monitoring, microseismic data processing, and rock mechanics for underground structures. Her recent work highlights sustainable, bio/geotechnical solutions—ranging from microbial induced calcite precipitation to real-time landslide early warning systems—backed by field and lab-based studies with societal impact.

Prof. Manish Kumar Goyal
Professor
Chair Professor- BIS Standardization
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PhD: Department of Civil Engineering, Indian Institute of Technology, Roorkee, India, 2011



Research Area and Highlights: Hydrology, Climate Change, Irrigation, Glaciology, Water & Air Pollution, Remote Sensing, Data Mining and Artificial Intelligence.

- Identified 329 glacial lakes in the Indian Himalayas with area more than 0.05 sq.km, with 73 marked as high or very high risk.
- Remote sensing-based assessments covered climate vulnerability of Ramsar wetlands, atmospheric rivers, air pollution, and urban climate extremes.
- Developed Machine learning models to analyze crop yield impacts in Sikkim and Madhya Pradesh.
- Ecosystem Resilience Maps and Multi-Hazard Risk assessments were also developed.

Prof. Mohd. Farooq Azam
Associate Professor & Inspire Faculty Fellow
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PhD, University of Grenoble, France



Research Area and Highlights: Glacier dynamic studies, glacier surface energy balance modeling, energy balance of snow cover hydrological modeling, hydro-meteorological monitoring, runoff and mass balance modelling, climate change impacts on himalayan water resources, cryosphere changes under climate change and cryospheric hazards, black carbon impact on glacier mass budgets, AWS programming and installation, ground penetrating radar (GPR).

Prof. Lalit Borana
Associate Professor
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PhD, The Hong Kong Polytechnic University



Research Area and Highlights: Geotechnical Engineering and Sustainable materials for Infrastructure development.

Exploring alternative materials that can bring sustainability to construction practices. Understanding the Geomechanics / micromechanics of building materials when used in various field infrastructures projects especially in problematic soils.

Prof. Abhishek Rajput



Associate Professor
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PhD, Indian Institute of Technology Roorkee

Research Area and Highlights: Structural behavior of concrete and metals under projectile impact and blast loading, Finite element modelling and simulations, large deformations of concrete at low, medium and high strain rates, Structural crash-worthiness. An experimental and computational study is going on advanced stage where a finite element model has been developed to validate the experimental results and further cater to the mechanics of the behavior of concrete slabs and reinforcement under projectile impact loading.

Products in Development: 3D Printing Cementitious Material, Cement Free Concrete and Bullet Proof Jacket.

Prof. Kaustav Bakshi



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PhD, Jadavpur University, Kolkata

Research Area and Highlights:

- Static and dynamic studies on laminated composite shell roofs
- First and progressive ply failure studies
- Finite element method; Geometric nonlinearity
- Hygrothermal analysis of laminated composites
- Shear deformations in laminated composites
- Nonlinear buckling analysis

Prof. Guru Prakash



Assistant Professor Grade I
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PhD, University of Waterloo, ON, Canada (2013-2017)

Research Area:

- Structural Health Monitoring (SHM)
- Damage Detection in Civil Structures
- Reliability Assessment and Remaining Useful Life
- Road Health Monitoring (https://doi.org/10.1016/j.eswa.2024.123940)
- Life-time Data Analysis using Bayesian Method and Prognostics
- Sustainable Construction Practices and Materials



Prof. Priyansh Singh

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PhD: Indian Institute of Technology Delhi

Research Area: Prof. Priyansh Singh's research focuses on transportation engineering, with a specialization in pavement engineering and pavement materials. His work emphasizes sustainable and durable pavement design, material characterization, and innovative construction techniques. He has contributed to developing advanced mix design methods, incorporating recycled materials, and improving performance-based specifications for Indian road infrastructure, aligning with both field practices and national standards.



Prof. Ashootosh Mandpe

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PhD: Environmental Science and Engineering
CSIR - National Environmental Engineering Research Institute, AcSIR, (CSIRNEERI), Nagpur

Research Area:

- Bio-valorization of solid wastes
- Additive-aided-thermophilic composting
- Advanced water and wastewater treatment technologies
- Municipal landfills remediation through biomining approaches
- Circular economic practices
- Lifecycle and Social Lifecycle assessment of environmental systems
- Geospatial technologies for integrated waste management



Prof. Priyank J. Sharma

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PhD, Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat

Research Area:

- Evolution of compound climate extremes
- Improving hydrologic predictions using AI/ML approaches
- Modelling compound floods and drought risks
- Water security under climate change and anthropogenic interventions



Prof. Mayur Shirish Jain

Assistant Professor Grade I
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PhD: Indian Institute of Technology Guwahati

Research Area: Recent research highlights include various innovative approaches in environmental engineering, specializing in Solid Waste Management, such as Rapid composting techniques to enhance organic waste conversion into valuable soil amendments; Kinetic modelling advances bio-waste degradation understanding and optimizing decomposition rates, Thermal & Biological Treatment of Agro-wastes, Circular economy principles driven sustainable practices in resource management. Moreover, C&D waste quantification for sustainable construction practices and techno-economics assessments to ensure environmentally sound solutions, fostering sustainability development, also comes under my research area.



Prof. Akshay Pratap Singh

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PhD, Indian Institute of Technology Roorkee

Research Area:

- Numerical Modeling in Geomechanics
- Analysis of Slopes, Retaining walls, Sheet Piles, Shallow Foundations,
- Pile Foundations
- Lower and Upper Bound Methods in Limit Analysis
- Geotechnical Earthquake Engineering
- Liquefaction



Prof. Ramu Baadiga

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PhD, Indian Institute of Technology Hyderabad

Research Area:

- Geosynthetic Engineering
- Pavement Geotechnics
- Ground Improvement
- Geotechnical Engineering
- AI-ML for Geotechnical Engineering
- Nature Inspired Geotechnics

Prof. Ravinder



Assistant Professor Grade I
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PhD, Indian Institute of Technology Delhi

Research Area: My research focus areas are machine learning-aided structural design, multiscale material modeling, structural health monitoring, physics-informed machine learning, graph neural networks, dynamic fracture and crack propagation on ballistic impact, molecular dynamics, and peridynamics.

Prof. Pushpa Choudhary



Assistant Professor Grade I
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PhD, Indian Institute of Technology Bombay

Research Interests:

- Human factors in road safety
- Vulnerable road users' behaviour and safety
- Intelligent transportation systems
- Naturalistic and VR studies
- Risk assessment and statistical modelling

Department of Computer Science and Engineering



Prof. Abhishek Srivastava
Professor and Dean, Faculty Affairs
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PhD: University of Alberta, Canada

Research Area and Highlights: The broad area of my research is service-oriented systems most commonly realized through web-services. More recently, my group has been interested in applying these ideas in the realm of Internet of Things. The ideas explored include coming up with technology agnostic solutions for seamlessly linking heterogeneous IoT deployments across domains. Further, we are also delving into utilising Machine Learning adapted for constrained environments to effectively make sense of the huge amounts of data that emanate from the vast network of IoT deployments.

Research Keywords: Ubiquitous Computing, Machine Learning, Internet of Things, Service-oriented Systems, Web-services.



Prof. Aruna Tiwari
Professor
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PhD: RGPV, Bhopal

Research Area and Highlights: My research work is in the area of Computational Intelligence / AI / ML / Soft-computing. My research groups are broadly involved in two kinds of sub-paradigms: Design of Scalable High-Performance Computing (HPC) based algorithms for Big Data handling & Design of Advanced Deep Learning and Generative AI Algorithms.

Since decade, the work has been going on in collaboration with ICAR-National Institute of Soybean Research (NSRI), Indore & CIAE Bhopal. She established a Centre of Excellence for AI/ML & Deep Learning for sustainable agriculture (AgriHub) funded by MeitY Delhi, S&T MP and industries in collaboration with ICAR-NSRI, Indore, ICAR-CIAE Bhopal & CDAC Pune. AgriHub is a transdisciplinary, multi-institutional collaborative facility designed to revolutionize Indian agriculture by fostering innovation, development, and deployment of cutting-edge technologies through DeepAgriTech projects which are targeting the development of cutting-edge tools such as drone image analysis, AI-powered decision support systems, and Big Data Analytics to enhance farming efficiency and productivity. Establishing a collaborative ecosystem involving industry, academia, and government stakeholders to drive innovation in crop enhancement technologies. Encouraging the creation of startups, intellectual property, academic publications, and transformative innovations in agricultural genomics. One startup in AgriGenomics is registered. Her research also involves development of novel deep learning algorithms based on innovative GAN architectures, Diffusion Models, and Transformer networks for anomaly detection in videos in real time with minimum latency, and are proposed to be utilized for monitoring industrial environments in real time in collaboration with CSIR-CEERI Pilani. This research is adopted by one of the industries for the National Highways Authority of India(NHAI) based toll plaza problem and joint work is ongoing. One startup is also registered for this problem.

Additionally, Generative AI and Diffusion Model based frameworks are being explored for plant phenotyping and agricultural data augmentation in AgriHub ongoing DeepAgriTech projects.

Research Keywords: Computational Intelligence, Machine Learning, Generative AI, GAN, Diffusion Models, Big Data, Genomics, Precision Agriculture, Anomaly Detection



Prof. Anirban Sengupta

Professor
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PhD: Toronto Metropolitan University

Research Area and Highlights:

1. Time-Bomb HLS Trojan for Performance Degradation Payload.
2. High-Level Synthesis based Forensic Watermarking of Hardware IPs using IP Vendor's DNA Signature.
3. Security Vulnerability (Backdoor Trojan) during ML Accelerator Design Phases.
4. Secure Implantable Cardiac Pacemaker for Medical Consumer Electronics.
5. M-HLS: Malevolent High-Level Synthesis for Watermarked Hardware Ips.

Research Keywords: Hardware Security, High Level Synthesis, CAD for VLSI, IP Protection, Optimization



Prof. Surya Prakash

Professor
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PhD: IIT Kanpur

Research Area and Highlights: Prof. Surya Prakash is a distinguished researcher in the fields of Biometrics, Machine Learning, Deep Learning, Pattern Recognition, Computer Vision, and Image Processing. His work spans diverse applications, including medical image analysis, focusing on skin lesion detection, glaucoma, and diabetic retinopathy classification, as well as animal biometrics. Additionally, he is deeply involved in heritage preservation, utilizing modern AI-driven technologies to document and present traditional Indian cultural assets. His contributions to Big Data and 3D Point Cloud Processing further enhance advancements in various domains, reflecting his commitment to innovation and interdisciplinary research.

Research Keywords: Biometrics, Medical Image Analysis, Deep Learning, Computer Vision, Heritage Preservation, 3D Point Cloud Processing.



Prof. Somnath Dey

Professor
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PhD: IIT Kharagpur

Research Area and Highlights: A deep learning framework is proposed that utilizes RGB, MSRCR, and depth inputs to detect face presentation attacks, ensuring illumination invariance and pixel-level depth precision. Features from all streams are combined and passed through dense layers for real or imposter classification. Additionally, fingerprint spoof detection is addressed for both intra- and inter-sensor protocols, along with a model to handle cross-material spoofing. Another study integrates a fuzzy model with YOLOv8 for traffic sign detection in adverse weather.

Research Keywords: Biometrics, Computer Vision, Machine Learning, Deep Learning, Traffic Sign Detection, Precision Agriculture, Health Care.

Prof. Kapil Ahuja

Professor
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PhD: Virginia Tech, USA



Research Area and Highlights: I head the Mathematics of Data Science and Simulation (MODSS) research lab at IIT Indore. The focus of this past year was on two fronts. One was on cancer diagnosis, and the other was on biology problems. In cancer diagnosis, we have proposed state-of-the-art machine learning algorithms, which beat the current best available in breast, thyroid, and cervical cancers. This has been published in two reputed journals and is currently in a translatory stage, where it will be deployed in hospitals soon. In the biology domain, we have developed novel machine learning algorithms, which correlate the genomic and phenotypic data more effectively. This beats the performance of the current metrics available in the literature, with experiments conducted on multiple species, including soybean, rice, and sorghum. This work is currently under review and has great ramifications for developing better plant species, which would be more resistant to the frequent droughts and flooding caused by climate change.

Research Keywords: Applied Machine Learning, Bioinformatics, Health Informatics, Economics of Networks, Computational Optimization, Numerical Linear Algebra.

Prof. Gourinath Banda

Professor
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PhD: Roskilde University, Denmark



Research Area and Highlights:

- He researches in fundamentals and applications of Autonomous systems, Formal Verification, Cyber Physical Systems, Blockchain, Embedded Realtime Kernels, Digital Transformation.
- Most of his research finds relevance in modern times and is always ahead of the industry, because he solves problems of societal importance.
- He is a TuV certified I4.0 auditor
- He heads the Autonomous Cyber Physical Systems Group at the Department of Computer Science and Engineering.



Prof. Neminath Hubballi

Professor
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PhD: IIT Guwahati

Research Area and Highlights: Our work is focused on identifying exploitable vulnerabilities in Networks and Applications, Designing Detection Methods.

Research Keywords: Network Security, Named Data Networking, Fault Detection in Networks.

Prof. Bodhisatwa Mazumdar
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PhD: IIT Kharagpur



Research Area and Highlights: The large-scale usage of Internet-of-Things (IoT) devices along with the emergence of advanced wireless technologies have prompted researchers and industrialists to adopt designs and devices for a sustainable environment. Our research has focused on multiple variants of side-channel attacks, which are caused due to information leakage from software or hardware implementations of lightweight cryptosystems. Fault analysis attacks are one of the strongest forms of side-channel analysis attacks. This class of attacks has been used to recover the secret key embedded in the electronic devices by perturbing the normal operation of the target system. In most fault attacks, the injected fault is temporary, and once injected, the corresponding set of faulty ciphertexts are captured to recover the key from protected implementations of ciphers. As a future research goal, we aim to implement fault attack resilient cryptoprocessor based on lightweight cryptographic primitives, such as, GIFT family of lightweight ciphers. The implementation shall be based on RISC-V instruction set architecture (ISA). As a part of crypto-accelerator design, we plan to add a custom instruction for bit permutation operation in the ISA that will be specific to the GIFT-128 cryptographic primitive. We chose the RISC-V ISA as it is open source and has broad applicability. Many commercial SOC vendors plan to adopt RISC-V architecture in their products. We plan to implement various protection mechanisms against fault attacks that can be mounted at probable locations within the crypto-processor.

Research Keywords: Hardware Security, Side-channel Analysis, Cryptography, Digital VLSI Design.

Prof. Puneet Gupta
Associate Professor
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PhD: IIT Kanpur



Research Area and Highlights: He has worked on biometric authentication, facial expression analysis using deep learning, non-contact measurement of human vital parameters, cross-modal learning, hyperspectral imaging, and enhancing deep learning architectures with adversarial defenses, benefiting security, affective computing, and healthcare. His research has been published in top venues like IEEE-TGRS, IEEE-TIM, IEEE-TAC, IEEE-TIE, Computers in Biology and Medicine, ICCV, WACV, and EMBC.

Prof. Nagendra Kumar
Assistant Professor
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PhD: IIT Hyderabad



Research Area and Highlights: Dr. Nagendra Kumar works in the areas of Natural Language Processing, Social Network Analysis, Computer Vision, Deep Learning, Artificial Intelligence, and Data Mining.

Research Keywords: Hashtag Recommendation, Text Classification, Social Media Analytics, Sentiment Analysis.

Prof. Ranveer Singh
Associate Professor & Head
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PhD: IIT Jodhpur



Research Area and Highlights: I work in theoretical computer science, combinatorics, graph theory, and matrix theory, with a major focus on the determinant vs permanent problem. My research studies why the determinant can be computed efficiently while the permanent is computationally very hard. I investigate special classes of matrices and graphs where the permanent can be expressed or approximated using determinants. My research also connects permanents with counting perfect matchings in bipartite graphs and algebraic complexity theory. Overall, his work contributes toward developing efficient algorithms for structured matrices and understanding the complexity gap between determinants and permanents.

Prof. Chandresh Kumar Maurya
Associate Professor
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PhD: IIT Roorkee



Research Area and Highlights: AI, ML, NLP and Speech Translation.

AI lab focuses on developing solutions for speech and EEG to text translation. We have curated more than 1 TB of data consisting of 15+ Indic languages and have the best in the world model for speech-to-text/speech translation for Indian languages. Besides speech/EEG translation, we also have text-to-text translation for a few Indic languages. Besides, AI lab has ventured into the space of medical domain where we generate and translate medical images into Indian languages. The demo of which is available at https://huggingface.co/AIatIITI

Research Keywords: AI, ML, NLP, Speech

Prof. Ayan Mondal
Assistant Professor
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PhD: IIT Kharagpur



Research Area and Highlights:
The Network Engineering and Sustainable Technologies (NEST) Lab, led by Dr. Ayan Mondal, primarily focuses on research in intelligent systems enabling network technologies, services, and applications, including Internet of Things, Edge-Cloud Continuum, 5G and Beyond, Software-Defined Networking, Quantum Networks, Edge/Fog Networks, Ad-hoc Networks, Wireless Sensor Networks, and Game-Theoretic and Machine-Learning Applications.

Key Achievements:

- Winner of the 2025 IEEE Outstanding Branch Counselor and Branch Chapter Advisor Award (The Member and Geographic Activities and Technical Activities Boards sponsor the award to a maximum of 20 Outstanding Counsellors and Advisors around the world each year.).
- Recipient of the prestigious IEI Young Engineers Award 2025-26 (Institution of Engineers, India) in the Computer Engineering discipline.
- Steering Committee Member, Academic Research and Careers for Students (ARCS) 2026, Co-located with ACM India Annual Event, IIT Hyderabad, February 11-13, 2026.
- Workshop Chair, the Third Workshop on "A4E: AI/ML for Edge/Fog Networks" Workshop co-located with IEEE Global Communications Conference (GLOBECOM) 2025, Taipei, Taiwan, December 8-12, 2025.
- Workshop Chair, the Third Workshop on "SIGNIS: Softwarized Next Generation Networks for IoT Services" Workshop co-located with IEEE Global Communications Conference (GLOBECOM) 2025, Taipei, Taiwan, December 8-12, 2025.
- Track Chair, Selected Areas in Communications (SAC) - E-Health, IEEE ICC 2025, Montreal, Canada.

Research Keywords: Internet of Things (IoT), Edge Intelligence, 6G

Prof. Aniruddha Singh Kushwaha



Assistant Professor
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PhD: IIT Bombay

Research Area and Highlights: Our research focuses on efficiently exploiting data plane programmability within Software-Defined Networking (SDN) to address modern networking challenges. By leveraging SDN's decoupled architecture, we aim to enhance packet scheduling and seamlessly integrate machine learning (ML) applications into the data plane. This approach enables dynamic per-packet decision-making, optimizing network performance and adaptability in real-time to improve QoS.

Research Keywords: Programmable Networks, Software Defined Networks.

Prof. Sidharth Sharma (On lien)



Assistant Professor
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PhD: IIT Bombay

Research Area and Highlights: Network Softwarization, Network Management, Performance Modelling, Machine Learning for Networks, Network Verification.

Prof. Soumi Chattopadhyay
Assistant Professor
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PhD: Indian Statistical Institute Kolkata



Research Area and Highlights: Prof. Chattopadhyay specializes in services computing, with strong expertise in QoS-aware service recommendation, service composition, and verification in cloud-edge environments. Her work spans multimodal news understanding, deepfake defense, reinforcement learning for edge services, and context-aware AI. She integrates advanced techniques like hypergraph-transformers, GNNs, and multi-modal deep learning, emphasizing scalable, robust, and explainable systems.

Research Keywords: Services Computing, Service Verification, Recommendation Systems, Machine Learning, Reinforcement Learning, Data Analytics, Logic, Automated Reasoning, Artificial Intelligence, and related fields.

Prof. Subhra Mazumdar
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PhD: Indian Statistical Institute Kolkata



Research Area and Highlights: My broad area of interest is scalability and privacy in blockchain, data privacy, and combinatorial optimization.

Research Keywords: Blockchain, Cryptocurrencies, Security and Privacy.

Prof. Venkata Sai Sasank Mouli Gali
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PhD: University of California San Diego



Research Area and Highlights: Theoretical Computer Science, Proof complexity, Algebraic proof systems.

Prof. Lawqueen Kanesh
Assistant Professor
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PhD: Institute of Mathematical Sciences, Chennai



Research Area and Highlights: Her research interests lie in parameterized algorithms, kernelization, approximation algorithms, and faster exact-exponential algorithms, together with their applications to graph theory and combinatorial optimization. Her recent work spans parameterized approximation schemes for Max-SAT and Max-Coverage, the FPT-equivalence of graph modification parameters to hereditary classes, sensitivity oracles for covering and packing minors, the complexity of disconnected matchings, and graph layout and arrangement problems.

Research Keywords: Parameterized Complexity; Fixed-Parameter Tractability; Kernelization; Approximation Algorithms; Exact-Exponential Algorithms; Graph Algorithms; Combinatorial Optimization.

Prof. Debasish Pattanayak
Assistant Professor
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PhD: IIT Guwahati



Research Area and Highlights: My research interests lie in the design and analysis of algorithms for mobile agents and mobile robots operating in both discrete (graphs) and continuous spaces. I focus on fundamental problems such as exploration, search, rendezvous, evacuation, and filling under constraints of limited memory, communication, or environmental knowledge. I am particularly interested in distributed coordination, fault-tolerant behavior, and the impact of structure and complexity on algorithmic performance. My work spans deterministic and randomized strategies, with applications in swarm robotics, multi-agent coordination, and autonomous systems. I also work on developing simulators for these systems.

Research Keywords: Distributed Algorithms, Fault-tolerance, Swarm Robots, Randomized Algorithms, Graph Algorithms.

Department of Electrical Engineering

Dr. Swaminathan R

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PhD, IIT Kharagpur



Research Area & Highlights: Current research areas include modeling and analysis of 6G wireless technologies, including Intelligent Reflecting Surfaces (IRS), Non-Terrestrial Networks (NTNs), vehicular communications, optical wireless communications (FSO and VLC), terahertz (THz) communication, hybrid OWC/RF systems, machine learning (ML) for communication systems, and communication intelligence (COMINT) for military communications.

Our research group has published 47 international journal articles, 61 conference papers, 3 book chapters, and 4 patents. During AY 2025–26, the group published 7 journal articles and 4 IEEE conference papers, and received 1 granted patent. Currently, 4 sponsored research projects are ongoing, and 3 projects have been successfully completed as Principal Investigator (PI).

The research group is also collaborating with leading research groups at Nanyang Technological University, University of Essex, University of Aizu, and Aristotle University of Thessaloniki.

Dr. Vivek Kanhangad

Professor
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PhD, The Hong Kong Polytechnic University



Research Area & Highlights: Image and signal analysis, machine learning with a focus on biometrics and medical diagnostics. Pattern Recognition and Image Analysis (PRIA) research group at IIT Indore is primarily engaged in addressing various research problems related to security and surveillance applications. Recently, we developed a deep learning model for weakly-supervised crowd counting. Our end-to-end crowd counting pipeline − Crowd Former utilizes a pyramid-structured vision transformer to extract multi-scale features. An effective feature aggregation module combines features from different stages of the transformer, and a regression head estimates the crowd counts.

Dr. Abhinav Kranti

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Research Area & Highlights: Capacitorless DRAM, Steep switching devices, vertically stacked transistors, Material-device-circuit co-design, Cryogenics, Quantum Phenomenon.

Low Power Nanoelectronics Research Group (LPNRG) has developed a methodology for minimizing disturbance-induced refresh time degradation in a capacitorless DRAM array with nanowire transistors. The group has also contributed towards understanding the influence of process variations and quantum confinement in ultralow power circuits with junction less nanowire transistors.



Dr. Amod C. Umarikar

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PhD, Indian Institute of Science, Bangalore

Research Area & Highlights: Applications of Power Electronics in Renewable Energy Systems, Power Quality Monitoring, Study of Grid Connected PV Inverters controlled as Grid Forming Converters. Study of Standalone Photovoltaic Systems



Dr. Appina Balasubramanyam

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PhD, Indian Institute of Technology Hyderabad

Research Area & Highlights: Perceptual cognitive analysis, Multimedia quality assessment, psychovisual modeling, Image and video processing, and Display technology. Mathematical modeling is based on statistical analysis and machine learning methods.



Dr. B. Prathap Reddy

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Research Area & Highlights: The research interests are in Magnet-less Machine Design, Multiphase Machines, Pole Phase Modulated Machines, Electric Vehicles, Electrical Drives, Power Electronics, EV Charging Solutions, Multilevel Inverters, Converter Design and Analysis.

Dr. Prathap Reddy and his research group focus on the design of innovative machines with advancements in power electronics for sustainable transportation. The research group mainly works on hardware developments to execute cutting-edge research priorities of electric vehicles and sustainable systems. He is a recipient of the INAE Young Engineer for the year 2022 and he has both academic as well as industry experience.



Dr. Lokesh Kumar Dewangan

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PhD, IIT Bombay

Research Area & Highlights: Converter interaction analysis, Dynamics and control of hybrid AC/DC systems, Overlay of the HVDC grid, MMC interconnection to unbalanced and weak systems, Robust controller design for MMC.

Dr. Lokesh Kumar Dewangan specializes in the control and dynamics of HVDC systems/grids. His major research focuses on modeling, stability analysis, and controller design within future multi-vendor power electronics-based power systems. He actively collaborates with ECN Nante, France, and KU Leuven, Belgium. His team works on model development and stability scanning techniques for black-box-based hybrid power systems.



Dr. Mukesh Kumar

Professor
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PhD, Tokyo Institute of Technology

Research Area & Highlights: Dr. Mukesh Kumar is leading the Optoelectronic Nanodevice Research Laboratory (ONRL). His research interests include Optoelectronic Devices, VLSI Technology, Microwave Photonics, Nanoelectronics, Integrated Photonics, and Device Fabrication. He is a Fellow of the Japan Society for the Promotion of Science (JSPS). He is also serving as an adjunct-faculty at Purdue School of Engineering & Technology, IUPUI, USA and serving as an Associate Editor in the IEEE Photonics Journal. ONRL has ongoing-research-collaborations with leading-scientists in India, USA, France, South Korea, and Germany.



Dr. Prabhat Kumar Upadhyay

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PhD, Indian Institute of Technology Delhi

Research Area & Highlights: Main research interests include Wireless and Mobile Communication, Cognitive Radio and Spectrum Sharing Techniques, Hybrid Satellite-Terrestrial Relay Systems, Physical Layer Security, Wireless Body Area Networks, Internet-of-Things (IoT) Networks, Molecular Communications and Nanonetworking.

He was a Visiting Professor at the Department of Electronics, Information and Bioengineering (DEIB), Politecnico di Milano, Italy during April-July 2023. He has been awarded the Nokia Foundation Visiting Professor Fellowship at the University of Oulu, Finland in 2022. He is leading a Wireless Communication (WiCom) Research Group, which is actively involved in cutting-edge research and development to cater to the emerging needs of the next generation wireless systems. He has been supervising many research projects and dissertations toward PhD (11 completed & 3 ongoing), MTech/MS(R) (19 completed & 1 ongoing), and BTech (37 completed & 2 ongoing) degrees. The research work has contributed more than 130 publications in peer-reviewed journals and conferences. He is currently serving as an Editor for IEEE Transactions on Vehicular Technology.



Dr. Ram Bilas Pachori

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Research Area & Highlights: His research interests include Signal and Image Processing, Biomedical Signal Processing, Non-stationary Signal Processing, Speech Signal Processing, Brain-Computer Interface, and Machine Learning. He has authored the textbook titled "Time-Frequency Analysis Techniques and their Applications" (CRC Press, 2023). He has 404 publications, including journal papers (260), conference papers (102), books (12), and book chapters (30), with approximately 22,000 citations (H-index=81). He has also 10 patents, including 07 granted (01 Australian patent and 06 Indian patents) and 03 filed (Indian patents). He is Fellow of IEEE, INAE, IET, AAIA, IETE, and IEI. He has been appointed as IEEE EMBS Distinguished Lecturer (2025-2026). He has supervised 27 PhD theses and is currently supervising 09 PhD theses.



Dr. Rinkee Chopra

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PhD, Indian Institute of Technology Bombay

Research Area & Highlights: Filtering Antenna and Arrays, High gain and broadband 5G antennas and arrays, Multiband, broadband, Endfire and circularly polarized antennas, ground penetrating radars, microwave jammers, RF transceiver components- filters, couplers, oscillator etc.

Dr. Chopra's research work focused on high gain directional antennas, broadband antennas, filtering antennas for different applications. Conformal linear and planar microstrip arrays are designed with high gain and extremely low side lobe level for surveillance applications. A uniplanar MSA is designed with compact size and ease in integration with PCB. For sub-6GHz broadband services, several compact and broadband antennas are designed with broadside and end fire coverage. A broadband and high gain filtering antenna is designed to replace the filter and antenna in RF transceivers. A broadband quasi-isotropic antenna is to meet the requirement of IoT, 5G and other communication services.



Dr. Santosh Kumar Vishvakarma

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Research Area & Highlights: Energy-Efficient and Reliable SRAM Memory Design, Hardware-Efficient Architecture for DNN Accelerators, SRAM-based In-Memory Computing Architecture for Edge AI, Reliable, Secure Design for IoT Application, Design for Reliability.

Nanoscale Devices, VLSI Circuit and System Design (NSDCS) Research Group, led by Dr. Santosh Kumar Vishvakarma, is actively involved in cutting-edge research and development to in-memory computing for edge AI applications, efficient and reliable memory chip design, an efficient and configurable hardware accelerator for DNN accelerators. It has developed and analyzed various efficient and reconfigurable architectures for hardware accelerator algorithms. Various activation functions are developed for DNN applications. He has been supervising many research projects and dissertations toward PhD (17 completed, 1 thesis under review & 5 ongoing), MTech (21 completed & 2 ongoing), and BTech (39 completed & 4 ongoing) degrees. The research work has contributed to a significant number of publications in IEEE journals and conferences.



Dr. Saptarshi Ghosh

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PhD, Indian Institute of Technology Kanpur

Research Area & Highlights: (1) Electromagnetics, (2) Frequency selective surfaces, (3) Metamaterials, (4) Microwave absorbers, (5) Microwave antennas.

Dr. Saptarshi Ghosh is leading the research group in the **Applied Electromagnetics Laboratory** at the Department of Electrical Engineering, IIT Indore, India. His research group is working on diverse research domains including (i) microwave and millimeter-wave 5G antennas, (ii) reconfigurable intelligent surfaces, (iii) frequency selective surfaces, (iv) 3-D printing technology, and (iv) other state-of-the-art microwave devices. The group has strong collaboration with different institutes across the world, through various international funding supports, student exchange programs, and industry-academia collaboration. Several accolades have been received by the group members, from various Government and international organizations

Dr. Shaibal Mukherjee



Professor (F-JSPS, FInstP, F-IETE)
TIH-IoT CHANAKYA Faculty Fellow, IIT Bombay
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PhD, University of Oklahoma (USA)

Research Area & Highlights: He has published 130+ research articles in peer-reviewed journals, 110+ international conference proceedings, 11 book/book chapters and 12 patents (Granted: 9 and Filed/Published: 3). He is the recipient of various prestigious awards such as "2024 Microelectronic Engineering Journal Middle Career Investigator Award and Lectureship", "2023 Japan Society for the Promotion of Science (JSPS) Invitational Fellowship Award", "2021 JSPS Invitational Fellowship Award", "2020 DUO-India Professor Fellowship Award", "2019 DAAD Fellowship Award", "2018 Materials Research Society of India (MRSI) Medal", "2016 Young Faculty Research Fellowship (YFRF) under Visvesvaraya PhD Scheme for Electronics and IT". He is an Adjunct Faculty at RMIT University, Melbourne, Australia. He is the founding Chair of IEEE Madhya Pradesh (MP) Section Electron Devices Society (EDS) chapter. He is also the Director, Co-Founder and Mentor, QuanTechL2M Innovations Pvt. Ltd.

His research interests include (a) Low-cost HEMTs for DC-to-DC converters for EVs; (b) Novel 2D RRAMs for image processing, AI/ML and brain-computer interface; (c) IoT-enabled and portable agricultural, environmental and water sensors; (d) UV photodetectors.

Dr. Sharad Kumar Singh



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Research Area & Highlights: Dr. Sharad Kumar Singh is a researcher specializing in various fields including Game Theory, Robotics, Control Theory, Optimization Techniques & Operations Research, and Multi-agent Systems. He has both academic expertise and industrial experience, particularly in the areas of Robotics and Optimization. He is leading the research in the area of "Control and Optimization" in the Department of Electrical Engineering, IIT Indore.

Dr. Srivathsan Vasudevan
Professor
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PhD, Nanyang Technological University



Research Area & Highlights: Srivathsan is working on building photoacoustic imaging for biomedical applications like cancer diagnosis. His lab works to get the research from bench to bedside.

The Biophotonics lab headed by Srivathsan has built a cost-effective compact instrument for thyroid cancer diagnosis. Some clinical trials in collaboration with Christian Medical College Vellore (CMC) have been carried out.

Dr. Subhadeep Paladhi
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Ph. D., Indian Institute of Technology Kharagpur



Research Area & Highlights: (1) Power system protection, (2) Operational resilience in power systems, (3) Machine learning applications in power system monitoring, (4) Coordinated control and protection of microgrids using digital twins.

Dr. Subhadeep Paladhi is leading the research in the area of 'Power System Protection' in the Department of Electrical Engineering at IIT Indore. With technology advancing, new protection schemes are being incorporated into the systems. Renewable sources being integrated into the grid massively available protection schemes are under scrutiny. The objective of his research group is to revisit different aspects related to power system protection in the presence of renewable energy sources and assist the power sectors in finding out the proper protection approaches required for the smooth transition toward decarbonization.

Dr. Sumit Gautam
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PhD, University of Luxembourg



Research Area & Highlights: Simultaneous Wireless Information and Power Transfer, Caching, Uncrewed Aerial Systems, Optimization Methods, Hybrid Active-and-Passive Cooperative Communications, and Precoding for Multi-group Multicast Systems. Prof. Sumit is leading the Wi-STAR group, which is focused on Future Wireless Communications, Wireless Energy Harvesting, and Quantumbased Communications. He is currently the Chief Investigator (appointed) for the Institute level project: SwaYaan (Drone Electronics). In addition, he is the leading several projects sponsored by MeitY and DoT. Recent research articles have been published in eminent journals of IEEE, Elsevier, and MDPI; and several prestigious conferences of the IEEE. He has also been supervising dissertations toward Ph.D. (14 ongoing), M. Tech. (01 ongoing, 03 completed), and B. Tech. (25 completed & 03 ongoing) degrees.

Dr. Trapti Jain
Professor
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Research Area & Highlights: Her research interests include synchrophasor applications in power systems, stability and control of microgrid, artificial intelligence applications to power systems, data analytics, and cyber security in smart grids.

Our research group is working towards the development of power system monitoring tools utilizing time synchronized data obtained from Phasor Measurement Units (PMUs). PMU data has also been used to study the impact of cyber-attack on the performance of state estimation techniques and suggesting the improvement for reducing the impact of the attack.

Dr. Vijay A. S.
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PhD, IIT Bombay



Research Area & Highlights: His research interests include Microgrids and Distributed generation. Design and Control of AC, DC, and Hybrid Microgrids. Power electronic Emulation, Real-time simulations. Power Quality, Power electronic converter control.

The research is focused on addressing the aspects of proportional load power sharing between distributed generators in islanded AC microgrids and new control strategies for the same have been worked upon. Another issue is the suppression of circulating currents and the aspects of power quality issues like unbalanced and non-linear loads.

Dr. Vimal Bhatia
Professor
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PhD, The University of Edinburgh (QS-20), UK



Research Area & Highlights: Prof. Vimal Bhatia (SM'12, FIETE, FIE(I), FOSI) working as Professor (HAG) has about 11 years of industrial experience both in India and the UK. During Ph.D. he also received the IEE fellowship for collaborative research at Carleton University, Canada, and YFRF from MeitY, Govt of India. He has more than 500 peer reviewed publications, has filed 17 patents (with 14 granted), and supervised 29 PhD awarded thesis. He is currently Associate Editor for IETE Technical Review, Frontiers in Communications and Networks, Frontiers in Signal Processing, IEEE Transactions on Green Communications and Networking and IEEE Wireless Communications Letters, and currently running international projects with Finland, Taiwan, UK, and Japan. He has been mentioned amongst the World's Top 2% Scientists by the Stanford University list since 2021.

Dr. Vipul Singh
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PhD, Kyushu Institute of Technology, Japan



Research Area & Highlights: Organic electronics, optoelectronics, oxide semiconductors, device fabrication and characterization. We have successfully demonstrated OTFTs having high photosensitivity and responsivity. The selective control of the morphology of the organic thin films was utilized for improved photo response of these OFETs. Additionally utilizing the relatively low bandgap conducting polymers we successfully Demonstrated NIR-sensitive OTFTs are typically suited for biomedical applications.

Dr. Ayush Tripathi
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PhD, Indian Institute of Technology Delhi



Research Area & Highlights: Leads the COmputational Signal INformatics and Exploration (COSINE) Lab, focusing on biomedical signal processing and AI applications in healthcare. His research spans brain-computer and human-machine interfaces, EEG analysis, automated sleep analysis, and pathological speech processing. He earned his Ph.D. from IIT Delhi, was a Postdoctoral Fellow at Harvard Medical School, and previously worked at TCS Research & Innovation after completing his B.Tech. from VNIT Nagpur. More details: https://ayushayt.github.io/COSINE/

Dr. Himali Singh
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PhD, Indian Institute of Technology Delhi



Research Area & Highlights: Her research interests include radar signal processing, estimation theory, stochastic filtering, compressive sensing, and statistical signal processing, with a focus on intelligent counter-adversarial systems, target detection and tracking. Her current work has significant applications in intelligent sensing, autonomous defense systems, electronic warfare, and autonomous vehicles.

School of Humanities and Social Sciences

Prof. Ruchi Sharma
Professor and Head
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PhD, IIT Kanpur



Research Area and Highlights: Economics of Innovation, International Economics and Industrial Economics.

Prof. Ruchi Sharma is a Professor of Economics who serves as the prestigious DPIIT IPR Chair Professor at IIT Indore. She leads the Innovation Studies Group, where her research lies at the intersection of industrial economics, international economics, and the economics of innovation, with a specialized focus on R&D, patent policy, and intellectual property rights. She has secured substantial external research funding from major national agencies, including the DST, ICSSR, Ministry of Finance, and Ministry of Education. Widely published in journals of repute, she actively contributes to international and national science, technology, and innovation policy committees.

Prof. Nirmala Menon
Professor
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PhD, The George Washington University, USA



Research Area and Highlights: Digital Humanities, Postcolonial Studies

Nirmala Menon is the Institute Chair Professor and leads the Digital Humanities Research Group at IIT Indore. She is also an Affiliate Research Professor, University of Oxford and a Fulbright Fellow for 2025-26. She directs Digital Humanities research projects with grants from national and international funding agencies. She is also the Convener of the JPN National Centre of Excellence in the Humanities in the Institute. She speaks, writes, and publishes on Multilingual Digital Humanities and Postcolonial Studies. She has published books, given keynotes and talks on her areas of research.

She is General Editor, Digital Humanities Quarterly (DHQ) since Jan 2022, Series editor for Digital Publications for Routledge series and is an Advisory Board member for many DH related organisations. She is the Director of CLARIN K-Centre , a Digital Humanities Knowledge Centre for EU's CLARIN, the only one outside of Europe. She is also Editor- in-Chief, Digital Humanities Intersections (DHI) and Series Editor for Digital Scholarship in the Humanities, Routledge Publishers. She is a member of the BRICS Working Committee for Research and Education Exchange in Science and Technology Committee and serves on similar national and international research committees.

Prof. C. Upendra
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PhD, IIT Bombay



Research Area and Highlights: Moral Philosophy. Political Philosophy, History of Ideas

Prof. Upendra's research reflects a deeper and honest concern for radical social transformations seen through the ages. He particularly focuses on the adverse effects of utopian imagination in the twentieth century that witnessed extraordinary violence both in systemic form and in the form of normalized violence of everyday life. The principal question that runs through all the three research areas mentioned above is, "Are morality and politics devoid of ideology?".

Prof. Sanjram Premjit Khanganba
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PhD, IIT Bombay



Research Area and Highlights: Human-System Interaction & Applied Cognition

Prof. Sanjram Premjit Khanganba is a human factors research practitioner. He leads a highly motivated interdisciplinary team of volunteers, undergraduate (UG), and postgraduate (PG) students from diverse academic backgrounds under the aegis of the Focused Research Group in Human Factors. His scientific endeavors focus on applying human factors principles to system development, design, and evaluation, driven by a commitment to enhancing human–system interaction. As an IEEE FNEM Program Advisor, he brings extensive expertise grounded in human-centric approaches. He is deeply dedicated to addressing real-world problems through scientific investigations conducted in operative environments. He is the current Editor of Visual Ergonomics Digest, the official newsletter of the Visual Ergonomics Technical Committee of the International Ergonomics Association, Geneva, Switzerland.

Prof. Ashok Kumar Mocherla

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PhD, IIT Bombay



Research Area and Highlights: Sociology of Religion, Caste, Social Stratification, Faith Healing, Public Health and Minority Studies.

Prof. Ashok Kumar Mocherla is the author of 'Dalit Christians in South India: Caste, Ideology, and Lived Religion' (Routledge: 2020); editor of 'Democratization of Indian Christianity: Hegemony, Accessibility and Resistance' (Routledge: 2024). He has held visiting positions at Harvard University, USA (2022-23); Drexel University College of Medicine, Philadelphia USA (2013); TU Dresden, Germany (2013); Bielefeld University, Germany (2010). His research has been funded by scientific bodies such as ICSSR (Indian Council of Social Science Research); INSA (Indian National Science Academy); AHRC (Arts and Humanities Research Council), UK.

Prof. Akshaya Kumar
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PhD, University of Glasgow



Research Area and Highlights: Comparative Media Studies, Cultural Studies, Indian Cinema Studies.

Prof. Akshaya Kumar leads the Film, Media and Cultural Studies research group which primarily focuses on the intersections of spiritual, cultural and algorithmic power. His early work in Media and Cultural studies culminated with his first monograph, Provincializing Bollywood: Bhojpuri Cinema in the Comparative Media Crucible (Oxford University Press, 2021). Focusing primarily on digitalization, financialization and institutionalization in the material footprints of everyday political economy, his ongoing research traverses Platform capitalism, Comparative media studies and Logistical media. He has published many articles in peer-reviewed journals including Economy & Society, Social Text, Postmodern Culture, Journal of Cultural Economy, Soundings: An Interdisciplinary Journal, Media Industries and Media, Culture & Society. Recently, he has co-edited a Special Section on Asian Platform Capital for Economy & Society and is also one of the editors for the Palgrave Book Series Platform Societies.

Prof. Shomik Dasgupta
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PhD, King's College London, University of London



Research Area and Highlights: Intellectual History, History of Modern Indian Political thought.

Prof. Shomik Dasgupta specialises in the History of Modern Indian Political Thought, particularly, the works of Rammohun Roy, B.R. Ambedkar and Vallabhbhai Patel. He is the author of the book, Ethics, Distance and Accountability: The political thought and intellectual context of Rammohun Roy, c.1772-1833 (Oxford University Press Delhi: 2021). He is also a Fellow of the Royal Historical Society, UK (FRHistS) and a recipient of the Best Teacher Award.

Prof. Ananya Ghoshal
Associate Professor
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PhD, The English and Foreign Languages University, Hyderabad



Research Area and Highlights: Literature and the Other Arts, The Anthropocene, Modernism and Music, Disability Studies, Auteur theory and the French New Wave.

Prof. Ananya Ghoshal works in the field of Literature, Performance, and the Other Arts. Her research on musicality in American literature was undertaken at UC Berkeley as part of a Fulbright-Nehru Fellowship. Co-author of An Anthropocene Primer, she has published with the University of Toronto Press, Cambridge University Press, Intellect Books (UK), and Routledge. Ananya has received IIT Indore's Best Teacher Award for large classes. She has completed a project with the US embassy, New Delhi on the public schools for children with disabilities in Indore.

Prof. Kalandi Charan Pradhan
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PhD, IIT Bombay



Research Area and Highlights: Development Economics, Sustainable Development, Economics of Labour Migration and Socioeconomic Impacts of Climate Change.

Prof. Kalandi C. Pradhan leads the Migration and Development Research Group, which focuses on interdisciplinary research that broadly includes interaction of issues of climate change/ weather variability and development. Specifically, this group works on labour migration; groundwater exploitation and agricultural practices; financial inclusion and its dynamic impacts; economics of ageing; role of remittances in reducing inequality and poverty; female labour force participation, etc. He has published more than 20 research papers in reputed journals. Additionally, he has one book and one book chapter in his academic credential. Prof. Kalandi C. Pradhan has completed two research projects as Co-PI, funded by Indian Council of Social Science Research (ICSSR) with the collaboration of IIT Roorkee, IIT Kharagpur and Banaras Hindu University.



Prof. Mohanasundari Thangavel
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PhD in Agricultural Economics, Tamil Nadu Agricultural University (TNAU), Coimbatore.

Research Area and Highlights: Agricultural, Natural Resource, and Environmental Economics with a focus on climate change impacts, vulnerability assessment, tribal studies, and policy analysis

Prof. Mohanasundari currently serves as the Research Lead of the Agricultural and Resource Policy Lab, where she mentors one M.Tech student and five Ph.D. scholars working on diverse themes in Agricultural and Resource Economics. During the academic year 2025–26, Prof. Mohanasundari published 13 journal articles. She is also the lead editor of an upcoming book titled Climate Actions in the Global Perspective: Innovative Solutions for Sustainable Futures, to be published as part of the Sustainability Solutions series by Springer Nature. She recently completed a project on tribal livelihood vulnerability in Madhya Pradesh. In addition, she completed a study on the valuation of Indore Zoo under the broader theme of urban ecosystem valuation and successfully presented the findings to the zoo authorities. She also recently received a grant from the JPN Center of Excellence in Humanities for a project on crop residue management in Madhya Pradesh. She has presented her research at international conference in Kathmandu and a nations conference at Indian Institute of Technology Mandi.

Prof. Thapasya J
Assistant Professor
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PhD, IIT Madras



Research Area and Highlights: Linguistics, Cognitive Sociolinguistics, Historical Forensic & Legal Linguistics, Language Variation and Identity.

Prof. Thapasya J leads the Language Variation and Cognition research lab, which broadly focuses on documenting and explaining how language variation, society, and cognition interact and co-occur. Her work integrates sociolinguistics, cognitive linguistics, and language pedagogy, contributing to a deeper understanding of linguistic diversity and its cognitive implications. She has published research papers in reputed international journals and contributed invited book chapters in the fields of English linguistics, language variation, and applied linguistics. Prof. Thapasya is an active member of several esteemed academic and professional bodies, including the International Society for the Linguistics of English, Applied Linguistics and Language Teaching, the Dravidian Linguistics Association, the Linguistics Society of India, and the Royal Historical Society. Her recent research projects include: "Assessing the Implementation of Mother Tongue-Based Multilingual Education (MTB-MLE) among Kerala's PVTGs: Developing Language Teaching Modules based on NEP 2020", funded by the Indian Council of Social Science Research (ICSSR); and "Linguistic Complexity and Cognitive Load in Natural Language Processing: A Physio-Behavioural Measurement Approach", supported by the JP Narayan Centre of Excellence in Humanities.

She also completed the Young Faculty Research Seed Grant (YFRSG) project "Language Variation and Cognition: A Study on Indian Englishes" at IIT Indore. In addition to her research, Prof. Thapasya serves as the Programme Coordinator for the newly launched MA English (Linguistics & Literature) at IIT Indore.

Prof. Aratrika Das
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PhD, University of Delhi



Research Area and Highlights: Medical Humanities, Nineteenth Century British Literature.

Dr Aratrika Das leads the Medical Humanities group that tries to make sense of different discourses from the biological to the social, economic, political, and aesthetic, that influence health and shape our perceptions of physical and psychological wellbeing. Her doctoral thesis was awarded several international grants including Charles Wallace Fellowship, British Society for the History of Science, India-Edinburgh Research grant, and International Travel Grant from the University of Delhi. At present her research has received funding from Indian Council for Historical Research 2024-26, Center for Rural Development and Technology IIT Indore 2025-26, Young Faculty Research Seed Grant Scheme 2022-24 IIT Indore, India Foundation for the Arts Research 2023-25, and JPN Center IIT Indore 2023-25.

Prof. Kedarmal Verma
Assistant Professor
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PhD, IIT Guwahati



Research Area and Highlights: Cognitive Psychology, Experimental Psychology, Sleep and Cognition.

Prof. Kedarmal Verma is the PI of the "Sleep Cognition and Psychology Experimental Laboratory (SCOPE Lab)" focuses on understanding cognitive processes such as memory, attention, and decision-making. Our researchers investigate these processes using experimental approaches that explore how the brain represents, processes, and retrieves information from external stimuli. By integrating sleep studies with cognitive research, we aim to uncover the intricate relationship between sleep and various memory functions, including false memory formation and destination memory. Our experiments are designed following both social and natural science methodologies and strictly adhere to Institute Ethical Protocols (IHEC, IIT Indore). The SCOPE Lab is committed to providing a cutting-edge research environment, offering advanced training in cognition and associated disciplines. Researchers in our lab gain hands-on experience in designing psychological and cognitive experiments using software like E-Prime, PsychoPy, and OpenSesame. Additionally, they receive training in operating research equipment, including EEG, ERP, ECG, and ActiWatch, enabling precise physiological and neurocognitive data collection. Furthermore, the lab emphasizes the use of statistical analysis tools, such as IBM SPSS, R, and MATLAB, to ensure rigorous and efficient research outcomes. By fostering an interdisciplinary research culture, SCOPE Lab aims to advance scientific understanding of cognition and sleep while equipping researchers with the necessary tools to explore the complexities of human memory and cognitive functioning. He is presently supervising four doctoral students whose research focuses on reconstructive nature of memory, destination memory, prospective memory, and sleep cognition contributing to ongoing work in cognitive and experimental psychology. Prof. Kedarmal has published his research in international journals including nature. He is a member of prestigious research societies (APA, NAoP, ISSR).

Prof. Sansuma Brahma
Assistant Professor
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PhD, Indian Institute of Technology Madras



Research Area and Highlights: : Language Documentation, South Asian Languages

Prof. Sansuma Brahma is an Assistant Professor at the Indian Institute of Technology Indore, specializing in Language Documentation with a particular focus on South Asian languages. His current research projects encompass the documentation and analysis of the Bodo-Garo languages of the Tibeto-Burman family in Northeast India. He is currently supervising students working on the language documentation projects that include the Brajbhāshā language of the Indo-Aryan family, the Korku language of the Austro-Asiatic family spoken in Central India and Bodo language of the Tibeto-Burman family spoken in the Goalpara district of Assam.

Prof. Dishari Chattaraj
Assistant Professor
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PhD, Jawaharlal Nehru University, New Delhi



Research Area and Highlights: Applied Linguistics; Critical Food Studies; Pedagogy & Curriculum

Prof. Dishari Chattaraj leads the Education and Critical Food Studies Lab. She has been hosted as a Fulbright Fellow at Indiana University Bloomington, USA. She has published in leading international journals and has one monograph and two edited volumes to her credit. Her work in the fields of Education and Food Studies has been funded by international and national organizations. Prof Chattaraj is on the editorial board of a prominent Nature journal, and peer reviews articles across Springer, Taylor & Francis, and Sage journals.



Prof. Abhishek Yadav
Assistant Professor
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PhD, IIT Bombay

Research Area and Highlights: Philosophy of Mind; Philosophy of Biology; Philosophy of AI

Prof. Abhishek Yadav works in the area of Philosophy of Mind and Biology. His research focusses on understanding the problem of consciousness and subjectivity within a naturalist framework. He offers courses such as Thinking Tools and Thought Experiments that operate at the intersection of these research areas and covers the contemporary research trends in the field. He has published many research papers in reputed Scopus-indexed journals and has authored some book chapters that have contributed significantly to his research domain.

Department of Mathematics

Prof. Niraj Kumar Shukla
Professor
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D. Phil., University of Allahabad



Research Area and Highlights: The research group "Wavelet, Frame and Harmonic Analysis", led by Prof. Shukla, focuses on developing the theory of dual frames. The generalized translation invariant (GTI) systems unify the discrete frame theory of generalized shift-invariant systems with its continuous version, such as wavelets, shearlets, Gabor transforms, and others. The group provides sufficient conditions to construct pairwise orthogonal Parseval GTI frames in satisfying the local integrability condition (LIC) and having the Calderón sum one, where G is a second countable locally compact abelian group. The pairwise orthogonality plays a crucial role in multiple access communications, hiding data, synthesizing superframes and frames, etc. Further, they provide a result for constructing N numbers of GTI Parseval frames, which are pairwise orthogonal. Consequently, we obtain an explicit construction of pairwise orthogonal Parseval frames in and , using B-splines as a generating function. In the end, the results are particularly discussed for wavelet systems.

The group study the supremum cosine angle between two multiplication invariant (MI) spaces and its connection with the closedness of the sum of those spaces. The results obtained for MI spaces are preserved almost everywhere by the corresponding fiber spaces. Also, they provide equivalent conditions for the injectivity of the sampling operator associated with the multiplication generated Bessel system for the union of the sum of finitely generated MI spaces. Employing the Zak transform, they obtain the results for translation invariant spaces on locally compact groups by the action of its closed abelian subgroup as an application.

Prof. Sk. Safique Ahmad
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PhD, Indian Institute of Technology Guwahati



Research Area and Highlights: Perturbation theory plays a crucial role in sensitivity analysis, which is extensively used to assess the robustness of numerical techniques. To quantify the relative sensitivity of any problem, it becomes essential to investigate structured condition numbers via perturbation theory. This address and analyze structured condition numbers for the Moore-Penrose (M-P) inverse and the minimum norm least squares (LS) solution involving rank-structured matrices, which include the Cauchy-Vandermonde (CV) matrices and quasi-separable matrices (QS). A general framework can be developed to compute the upper bounds for mixed and component-wise condition numbers of rank deficient parameterized matrices. This framework will lead to faster computation of upper bounds of structured condition numbers for CV and {quasi-separable matrices. Furthermore, comparisons of obtained upper bounds will be investigated theoretically and experimentally. In addition, the structured effective condition numbers for the M-P inverse and the minimum norm LS solution of QS matrices are presented.

Numerical tests reveal the reliability of the proposed upper bounds as well as demonstrating that the effective condition numbers are computationally less expensive and can be substantially smaller compared to the unstructured condition numbers. For the M-P inverse and the minimum norm LS solution, we investigated structured mixed and component wise condition numbers corresponding to a class of matrices, with each entry as a differentiable function of some real parameters. This framework has been used to derive upper bounds of structured condition numbers to CV and {1, 1}-QS matrices. QS representation and the GVR through tangent are considered or {1, 1}-QS matrices to investigate its condition numbers. Apart from that we work on the sensitivity analysis of reduced biquaternions. Reduced biquaternions are a four-dimensional commutative number algebra, introduced by Serge in 1892. The main obstacles when deriving algorithms for matrices of reduced biquaternions are the existence of non- invertible non-zero elements, and the need to consistently define some basic linear algebra concepts in this setting. Based on some existing algorithms, we present new efficient algorithms for the QR factorization and eigenvalue and singular value decompositions of both types of matrices. We also present applications to computation of various types of matrix generalized inverses and image analysis. The algorithms are efficiently implemented using the multiple-dispatch feature of the programming language Julia. The work on RBQ work is with the collaboration with Prof. Slapnicar University of Split, Croatia.

Specialization: Numerical Linear Algebra.

Research Interests: Numerical Linear algebra, stably analysis for Des/SDEs, Quaternionic Linear Algebra, Inverse Eigenvalue Problems, Operator Theory and applications.



Prof. Swadesh Kumar Sahoo
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PhD, Indian Institute of Technology Madras

Research Area and Highlights: Our broad research area is Complex Analysis which includes Univalent functions, Harmonic mappings, Hyperbolic-type metrics, and Special functions. We work on problems in the theory of univalent functions, special functions, quasiconformal mappings, and hyperbolic-type geometries. In particular, we aim

- to extend the theory of hyperbolic-type geometries associated with quasiconformal mappings and domains having geometric characterizations.
- to analyze geometrical and topological aspects of hyperbolic-type metric balls.
- to investigate properties of conformal mappings associated with metrics bilipschitz equivalent to the hyperbolic metric.
- to establish existence properties of densities through stereographic type-projections and geometric behaviours.
- to find necessary and sufficient conditions for certain analytic functions in terms of coefficient estimates, pre-Schwarzian and Schwarzian derivatives.
- to obtain certain necessary and sufficient conditions for harmonic univalent mappings using shear construction.
- to study analytic and geometric properties of partial sums, arc length, area, and radius problems for univalent functions.
- to know spectral, boundedness, and compactness of complex integral operators.
- to visualize mapping properties of (basic) hypergeometric functions and other related special functions using techniques from geometric function theory.

Prof. V. Antony Vijesh
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PhD, Indian Institute of Technology Madras



Research Area and Highlights: My research interest is developing iterative methods to approximate the solution of nonlinear equations and studying the convergence behavior and the error estimate in the iterative methods. In this direction, recently, we successfully developed an efficient third-order iterative method to find the zeros of some class of special functions. In addition, we also develop finite difference method to solve nonlinear partial differential equations. Recently, our group also started to work on convergence analysis of a few stochastic iterative methods.

Prof. Mohammad Aquil Khan
Professor
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PhD, Indian Institute of Technology Kanpur



Research Area and Highlights: Modal Logic, Rough Set Theory Abstraction, analysis, reasoning and computing are the main aspects of any study of a broadly understood information or information processing system theory. My research group works on realisations of these aspects concerning the study of the incompleteness of information. Our approach is based on the models inspired by a rough set approach to data analysis. We study modal logic with semantics based on rough set theory (RST). Our study focuses on the essential aspects of logic, viz. axiomatisation, decidability, complexity, and expressibility. On the other front, we also work on various generalisations of RST to expand the domain of applications of the theory. Algebraic aspects of RST are another speciality of our research group.

Prof. Ashisha Kumar
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PhD, Indian Institute of Technology Kanpur



Research Area and Highlights: Harmonic Analysis / k-plane transform (generalization of Radon transform and X-ray transform, used in medical imaging) Research group worked on unifying the proof of end point estimates and certain weighted Lp estimates of the totally geodesic k-plane transform on constant curvature spaces for radial functions.

Prof. Vijay Kumar Sohani
Associate Professor
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Research Area and Highlights : The study of low regularity Cauchy data for nonlinear dispersive PDEs has been successfully achieved using modulation spaces in recent years. We study the inhomogeneous nonlinear Schr\"odinger equation (INLS)
\[iu_t + \Delta u\pm |x|^{-b}|u|^{\alpha}u=0\ \ (b, \alpha> 0) \] on the whole space $\mathbb R^n$ having initial data in modulation spaces. In the subcritical regime $(0<\alpha< \frac{4-2b}{n}),$ we establish local well-posedness in $L^{2}+M^{\alpha+2,\frac{\ alpha+2}{\alpha+1}}(\supset L^2 + H^s \ \text{for} \ s>\frac{n\alpha}{2(\alpha+2)}).$ By adapting Bourgain's high-low decomposition method, we establish global well-posedness in $M^{p,\frac{p}{p-1}}$ with $2<p$ and p sufficiently close to 2. This is the first global well-posedness result for INLS in modulation spaces, which contains certain Sobolev H^s $(0<s<1)$ and L^p_s- Sobolev spaces.

Prof. M. Tanveer
Professor
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Research Area and Highlights: Prof. M. Tanveer has played a significant role in enhancing the research facilities at IIT Indore. He has established two state-of-the-art labs: the OPTIMAL research and EEG signal recording labs. These labs support advanced research in developing cutting-edge artificial intelligence (AI) and machine learning (ML) models, particularly Randomization-based deep and shallow learning algorithms and Hyperplane-based classifiers to revolutionize healthcare solutions.

Our focus extends beyond scientific discovery to tangible outcomes that positively impact society, doctors, and researchers. We enhance diagnosis techniques, particularly in neurological disorders such as Alzheimer's disease (AD), Parkinson's disease (PD), Brain age prediction, and EEG signal classification. Our work has been featured in esteemed publications, including Nature Mental Health, further solidifying our impact. Prof. Tanveer has published over 150 referred journals and 25 conference papers of international repute. His publications have over 6400 citations with an h-index 40 (Google Scholar, June 2024). He has been listed in the top 2% of scientists worldwide in a study conducted by Stanford University, USA, for three consecutive years. He is the recipient of the INSA Distinguished Lecture Award for 2024, INNS Aharon Katzir Young Investigator Award for 2023, IIT Indore Best Research Paper Award for 2023, Asia Pacific Neural Network Society Young Researcher Award for 2022, 29th ICONIP Best Research Paper Award for 2022. Moreover, he was elected as an Associate Fellow of the Indian National Science Academy (INSA) in 2023 and to the Board of Governors of the Asia-Pacific Neural Network Society (APNNS) for the 2023-2024 term. 3 Furthermore, our commitment to knowledge dissemination, global collaborations with medical institutions, providing accessible open-source access to developed software and technology (https://github.com/mtanveer1), and public awareness efforts ensure broad access to our smart healthcare solutions, fostering innovation and equitable healthcare access.

Prof. Sanjeev Singh
Associate Professor and Head of Department
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PhD, Indian Institute of Technology Madras



Research Area and Highlights: Broad research areas are Special Functions, Differential Equations, and Geometric Function Theory. I am studying special functions and geometric function theory, focusing on investigating the generalized Marcum function of the second kind. This research has been motivated by the widespread use of the generalized Marcum Q-function in the electrical engineering literature. We examine the function's properties, including monotonicity, convexity, recurrence relation, closed-form expression, and tight bounds. Recently, I have started working on problems to find some efficient numerical techniques to evaluate special functions. We propose an efficient method to numerically invert the cumulative central beta distribution using a third-order iterative method.

Prof. Bapan Ghosh
Associate Professor
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PhD, IIEST, Shibpur, West Bengal



Research Area and Highlights: Applied Dynamical Systems, Delay Differential Equations, and Population Ecology. We proposed metapopulation multi-species models with dispersal delay and found that dispersal can induce multiple asymmetric stable steady states. Even predator populations may be extinct in isolated patch models, but dispersal may have potential to recover populations. We have also found a stability switching scenario due to the delay parameter. In another class of problems, we concluded that fractional order may explore multiple stability scenarios in delay fractional systems. Overall, fractional order may have potential to stabilize fixed points. The last topic describes monkey pox dynamics and optimal control theory in fractional differential equations.

Prof. Santanu Manna
Associate Professor
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PhD, IIT (ISM) Dhanbad



Research Area and Highlights: The Applied Mathematics and Geomechanics (AMG) research group, led by Prof. Santanu Manna, focuses on developing advanced mathematical models for elastic wave propagation. The group is actively engaged in research on Applied Partial Differential Equations and Mathematical Modeling in Geomechanics, with key areas including asymptotic analysis, physical system modeling, integral transforms and special functions, solid mechanics, thin-walled structures, and earthquake statistical analysis using AI/ML approaches. AMG's work integrates analytical and numerical techniques to address large-scale scientific and engineering challenges. A significant part of their effort is devoted to earthquake data analysis, aiming to build more accurate and efficient models for earthquake forecasting. This dual focus advances mathematical theory while also serving vital societal needs such as public safety, disaster preparedness, and infrastructure resilience.

A core research theme is elastic wave propagation in layered media, governed by the vectorial partial differential equations of elastodynamics. Solving these requires satisfying boundary and interface continuity using methods like separation of variables, eigenfunction expansions, and Fourier/Laplace transforms. For more complex and heterogeneous media, finite element, spectral element, and boundary element methods are used. The group also investigates dispersion relations, wave mode analysis (Rayleigh, Love, and edge waves), and inverse problems, leveraging optimization, regularization, and machine learning to reconstruct subsurface material properties.

Through its interdisciplinary approach, AMG contributes significantly to both mathematical innovation and applied geophysical science, with applications in earthquake hazard assessment, engineering design, and geophysical exploration. The group enjoys strong national and international recognition, collaborating with institutions such as City University of London, University of Glasgow, Keele University, UNIMORE (Italy), NTU Athens, RWTH Aachen, Université de Strasbourg, and Indian partners like IIT (ISM) Dhanbad, Jadavpur University, University of Calcutta and NIT Durgapur, etc. AMG group has produced over 50 peer-reviewed journal publications and is managing five major externally funded research projects.



Prof. Vinay Kumar Gupta

Associate Professor
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PhD, RWTH Aachen University, Germany

Research Areas and Highlights: Mathematical modelling and numerical simulations of rarefied gas flows, Kinetic theory, Granular flows, Wave-structure interaction problems. The research group, led by Prof. Vinay Kumar Gupta, focuses on developing mathematical models for non-equilibrium rarefied ideal gases and granular gases through kinetic theory and on developing mesh-free numerical techniques for simulating rarefied gas flows. His group also focuses on investigating problems of interaction of waves with structures.



Prof. Bibekananda Maji

Associate Professor
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PhD, Harish-Chandra Research Institute, Allahabad

Research Areas and Highlights: My research works broadly lie in Number Theory. However, my primary interests are in the intersection of Analytic Number Theory, Partition Theory, Modular Forms, and Special Values of L-functions. I also enjoy working in various research fields developed by Srinivasa Ramanujan.

Prof. Charitha Cherugondi
Assistant Professor Grade I
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PhD, Indian Institute of Technology Kanpur



Research Area and Highlights: Continuous optimization and Variational analysis. My research focuses on the development, analysis and application of optimization strategies (through construction of gap functions) for convex continuous optimization problems and generalized problems such as variational inequalities, equilibrium problems. Also includes devising algorithms for the generalized mathematical programming problems based on solving equivalent minimization problems. Current work is on regularization strategies for general classes of optimization problems involving set valued maps and the construction of error bounds that facilitate the algorithmic studies. Also working on solution strategies for stochastic variational inequaliti.

Prof. Mohd. Arshad
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PhD, Indian Institute of Technology Kanpur



Research Area and Highlights: The Statistics and Data Science (SDS) research group, led by Prof. Mohd. Arshad, advances theoretical and applied research across data science, estimation theory, copula modeling, and ranking and selection. Key contributions include developing new copulas, analyzing their dependence properties, and proposing novel bivariate and multivariate distributions. The team also actively designs innovative loss functions for machine learning and specialized clinical trial methodologies, notably drop-the-losers designs.



Prof. Sourav Mitra
Assistant Professor Grade I
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PhD (2018), Institute of Mathematics, University Paul Sabatier, Toulouse, France.

Research Areas and Highlights: Partial differential equations, Cauchy theory and controllability issues, optimal control problems, Navier-Stokes equations (both compressible and incompressible), fluid-structure interaction problems.

The research area of Prof. Sourav focuses mainly on the mathematical theory of partial differential equations arising in physics and engineering, more specifically on fluid flow problems and fluid-structure interaction models. He deals with fluids which are compressible or incompressible in nature. He is interested both in the control properties and existence-uniqueness issues of the PDE system concerned.

Prof. Debopriya Mukherjee
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PhD, IISER Thiruvananthapuram



Research Area and Highlights: Stochastic Analysis, Stochastic (Partial) Differential Equations, Mathematical Fluid Dynamics, Mathematical Aspects of Pattern Formation in Biological Systems, Study of Ferro-magnetism, Shape calculus approach for solving exterior boundary value problems.

The research area of Prof. Debopriya is at the interface of stochastic partial differential equations, time-dependent systems, and mathematical biological systems arising from Turing Patterns with some numerical implementations. The principal strength of her research is its broad focus and the crossover between probability theory, stochastic analysis, analysis of PDEs, and mathematical biological models.

Prof. Priyamvada
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PhD, Indian Institute of Technology Delhi



Research Area and Highlights: Graph theory and graph algorithms. My research interest lies in the structural and algorithmic study of variations of graph optimization problems. I have investigated the computational complexity of the decision problems associated with some variations of graph coloring, namely, neighbor-sum-2-distinguishing edge- weighting, injective coloring, exact square coloring and injective edge coloring. Since the considered problems are NP-complete on general graphs, it is natural to study these problems for graph classes with restricted structures. I have designed polynomial time algorithms for certain restricted graph classes and have also strengthened the NP- completeness results of these problems on bipartite graphs and chordal graphs by showing that these problems are NP-complete on their proper subclass. Moreover, I have also studied these coloring for graphs resulting from some standard well-studied graph operations and products and obtained tight bounds. I am also interested in the study of Dynamic graph algorithms, where edges and vertices of a graph may be added or deleted over time.

Prof. Sumit Chandra Mishra
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PhD, Emory University, USA



Research Areas and Highlights: Broadly, I am interested in algebra, algebraic geometry, and number theory. Specifically, I am interested in algebraic groups and their local-global principles, quadratic forms, field patching, commutators and products of conjugacy classes in finite groups and algebraic groups, Ruled Residue theorem type results for function fields of curves, derivations on polynomial rings, and word maps for groups and algebras.

Prof. Dibyendu Mondal
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PhD, Indian Institute of Technology Mumbai



Research Area and Highlights: My research interests lie in Commutative Algebra and its interaction with Algebraic Geometry. More specifically, I am interested in problems related to factorization properties of commutative rings, minimal number of generators of dual modules, properties of derivation modules over commutative rings and extension of analytic varieties. I am also interested in various questions related to Affine Algebraic Geometry. These questions broadly connect to cancellation problems, Jacobian conjecture and Zariski-Lipman conjecture.

Dr. Anjali Mittal
Assistant Professor Grade II
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PhD, Indian Institute of Technology Kanpur



Research Area and Highlights: My research interests lie in statistical signal processing, particularly in chirp signal models, non-linear regression, and time series analysis. My work focuses on developing statistically efficient and computationally feasible estimation procedures for non-stationary signal models, especially for large data settings. So far, I have worked on efficient estimation, robust estimation, and model order estimation for elementary chirp model. I am also interested in studying computationally simple algorithms with desirable asymptotic properties. My future research directions include Bayesian approaches and higher-dimensional non-stationary signal models.

Department of Mechanical Engineering

Prof. Suhas S. Joshi

Professor and Director, IIT Indore
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PhD, Indian Institute of Technology Bombay



Research Area and Highlights: Modeling machining of 'difficult-to-machine' materials (MMCs, Inconel, Titanium) Modeling and development of micro-machining processes. Laser micro-machining, LIGA and Nano-polishing.

Prof. Suhas S. Joshi, Professor and Director of IIT Indore, has a PhD from IIT Bombay and previous positions at Tata Motors, Georgia Tech, and the University of Illinois. He served as Head of Mechanical Engineering and Dean of Alumni and Corporate Relations at IIT Bombay. His research focuses on machining difficult materials, micro-machining processes, and laser micro-machining. Prof. Joshi holds multiple patents in electric discharge machining.

Prof. Anand Parey

Professor (HAG)
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PhD, Indian Institute of Technology Delhi



Research Area and Highlights: Condition monitoring Noise and vibration isolation Signal Processing of Mechanical Systems.

Prof. Anand Parey is an academic and researcher specializing in Design Engineering. His research focuses on condition monitoring, with particular expertise in noise and vibration isolation as well as signal processing of mechanical systems. With a strong foundation in Design Engineering, Prof. Parey has made significant contributions to the field. He has supervised several Ph.D. students, with a focus on various aspects of gear fault diagnosis, vibration analysis, and noise control.

Prof. Ritunesh Kumar

Professor
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PhD,Indian Institute of Technology Delhi



Research Area and Highlights: Open Absorption cooling system, heat transfer at microscale, renewable energy and Building HVAC systems.

With a specialization in Thermal Engineering, Prof. Ritunesh Kumar has made significant contributions to the field. He has successfully guided several Ph.D. students in their research, focusing on topics such as heat transfer in microchannels, thermal hydraulic performance enhancement methods for microchannel heat sinks, and the development of high-performance falling film plastic towers for liquid desiccant applications.



Prof. Santosh Kumar Sahu

Professor
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PhD, Indian Institute of Technology Kharagpur

Research Area and Highlights: Thermal Engineering Thermal hydraulics Multiphase flows.

Prof. Sahu's research group is actively engaged in the development of cutting edge research to cater the cooling needs of next generation high performance thermal systems. His research group works on various areas including quenching of hot stationary and moving surfaces, heat transfer enhancement with nanofluids, pool boiling heat transfer, impinging jets, synthetic jets, heat exchanging equipment, phase change materials and thermal management of electronics and electric vehicle battery modules.



Prof. Satyajit Chatterjee

Professor
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PhD, Indian Institute of Technology Kharagpur

Research Area and Highlight: Surface Technology Coatings Tribology Solid Lubrication.

Prof. Satyajit Chatterjee, Professor, received Ph.D. in Mechanical Engineering from IIT Kharagpur and joined IIT Indore in 2010. His research endeavors include Coatings' Tribology, Solid Lubrication and Surface Technologies. He has published his research works in reputed journals like Ceramics International, Journal of Tribology, Materials Characterization, Surface and Coatings Technology etc. The workspace of his Coatings Tribology Group, The Metallography and Tribology Laboratory is a well-established and one of the most used laboratories of the institute.



Prof. Neelesh Kumar Jain

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PhD, Indian Institute of Technology Kanpur

Research Area and Highlight: Micro-Plasma Arc-based and Solid State Additive Manufacturing of high-melting point alloys, advanced gear manufacturing, and sustainable machining processes, including modeling, simulation, and optimization.

Prof. Neelesh Kumar Jain, with a PhD and MTech from IIT Kanpur, joined IIT Indore in 2010. Previously at IIT Roorkee, he received the BOYSCAST Fellowship and has over 200 publications. His research spans micro-plasma arc and solid-state additive manufacturing, biocompatible metallic materials, advanced gear engineering, hybrid machining, and autogenous joining techniques. He established the Center of Excellence in Gear Engineering and 6 state-of-the-art labs in his domain at IIT Indore.



Dr. Kazi Sabiruddin

Professor
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PhD, Indian Institute of Technology Kharagpur

Research Area and Highlights: Surface Engineering; Wear & corrosion resistive coatings, TBCs, Bio-active coatings, Explosive coatings

The research group led by Prof. Kazi Sabiruddin focuses on deposition of various coating materials by advanced technologies on metallic substrates and characterization of the same for tribo-mechanical, thermal barrier and biological applications. He has successfully deposited phase-stabilized Alumina-based coatings on steels for improved tribological properties. Recently, the group has successfully synthesized pure Hydroxyapatite powder from Indian clam seashell and deposited the same on Ti-alloys for bio-implant applications. He has also developed a novel explosive coating set up in the laboratory.



Prof. Palani Iyamperumal Anand

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PhD,Indian Institute of Technology Madras

Research Areas and Highlights: Mechatronics system Design Laser Assisted Micro Manufacturing, 3d Printing, Smart Materials and structures, Opto-Mechatronics systems.

The Mechatronics and Instrumentation Research Group Led by Prof.I.A.Palani focuses on the development of Smart systems and Devices. He is closely working with ISRO and DRDO for developing SMA based CRyogenic syensors and TENG based micro -energy harvesters. A micro 3d Printing developed in-house at IIT Indore and TENG integrated shoe sole has been selected as one of the best 75 Technologies among all IIT's.



Dr. Bhupesh Kumar Lad

Professor
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PhD, Indian Institute of Technology Delhi

Research Area and Highlight: Modeling and simulation for Cyber Physical Systems, Digital twin development for smart manufacturing, Reliability engineering.

The Industrial and Systems Engineering (ISE) research group led by Prof. Bhupesh Kumar Lad focuses on the development of various Cyber Physical Systems (CPS)-related technologies. In particular, his team is engaged in the development of digital twin solutions for manufacturing and healthcare applications. Prof. Lad is actively engaged in assisting India's Micro, Small, and Medium-sized Enterprises (MSMEs) with digitalization and bringing them into the mainstream of the fourth industrial revolution.

Prof. Dhinakaran Shanmugam
Professor
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PhD, Indian Institute of Technology Kharagpur



Research Area and Highlights: Experimental and Computational Fluid Dynamics, Flow through porous media, Mass transfer in tissues, Energy storage systems.

Prof. Dhinakaran's research group focuses on various areas of Fluid Dynamics and Heat Transfer. Their research spans bluff body flows, heat and mass transfer in porous media, nanofluids, and drug diffusion in skin tissues. With a diverse range of investigations, including analyzing flow and heat transfer from different geometries, enhancing solar collector performance, and studying nanofluid behavior, Prof. Dhinakaran's group makes significant contributions to advancing knowledge in these fields. Their work showcases a deep understanding of fluid dynamics and heat transfer processes.

Dr. Devendra Deshmukh
Professor
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PhD,Indian Institute of Science, Bangalore



Research Areas and Highlights: Internal combustion engines Biofuels Spray and combustion diagnostics

Multiphase flow diagnostic, Spray measurement, Combustion Species Measurement, Low Temperature Combustion Engine Development, Biodiesel and Biofuel combustion. Spray and Combustion Research group led by Prof. Devendra Deshmukh works on spray and combustion diagnostics for engines and gas turbines. The research group also focuses on different biofuels for advanced engines.

Dr. Shailesh I. Kundalwal
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PhD, Indian Institute of Technology Kharagpur



Research Area and Highlights: Energy and Hydrogen Storage, Composite Materials and Structures, Flexoelectricity and Piezoelectricity, Nanomechanics & Micromechanics, and Smart Material and Structures.

The Applied and Theoretical Mechanics (ATOM) Lab founded by Prof. SI Kundalwal undertakes research primarily in the above areas. The lab's mission is to lead the advancement and application of multifunctional nano- and micro-structures addressing the challenges associated with their multifaceted aspects via numerous experimental, nanomechanical and micromechanical techniques.

Dr. Pavan Kumar Kankar
Professor
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PhD, Indian Institute of Technology Roorkee



Research Area and Highlights: Fault Diagnosis of Mechanical Components Condition Based Maintenance Machine Learning Signal Processing.

The research group focuses on using model-based and data-driven methods to forecast the functioning behavior of mechanical systems like bearings, hydraulic systems etc. In another work, force, and vibration analysis in biomechanical preparation of root canals using a reciprocating endodontic file system is carried out.

Dr. Indrasen Singh
Associate Professor
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PhD, Indian Institute of Science Bangalore



Research Area and Highlights: Computational solid mechanics Metallic glass, Nanoglass Frature mechanics Mechanical behaviour of materials Finite element methods.

Prof. Indrasen Singh's research focus lies in Computational Mechanics, and he has supervised numerous scholars and students in their projects related to deformation behavior, fracture, indentation, and simulations of various materials and structures. His group focuses on finite element and experimental studies of deformation behavior in nanoglass and metallic glass structures, as well as investigating the role of ferroelectric domain configurations on the indentation behavior of piezoceramics.

Dr. Satyanarayan Patel
Associate professor
spatel@iiti.ac.in
PhD, Indian Institute of Technology Mandi



Research Area and Highlights: Energy conversion, storage and harvesting materials, Solid State Refrigeration, Piezoelectric, Pyroelectric and Ferroelectric materials.

Prof. Satyanarayan Patel's work focuses on bulk lead-free ceramics (piezoelectric and ferroelectric) for energy storage, conversion and caloric effects for solid-state refrigeration. The current research is focused on pyroelectric energy harvesting and pyrocatalysis in lead-free ceramics. Prof. Patel also works on the simulation study on energy harvesting and solid-state refrigeration.

Dr. Harekrishna Yadav
Associate Professor
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PhD, Indian Institute of Technology Bombay



Research Area and Highlights: Fluid-Structure Interaction, Shear Flow, Flow and Turbulence Measurement using Optical Techniques, Heat Transfer Enhancement, Supersonic Flow, Renewable and Sustainable Energy.

My current research focuses on understanding the physics of steady, synthetic, and pulsating jets. We experimentally explored the effect of frequency and amplitude on the flow and showed the existence of an optimal frequency that provides the highest mixing and entrainment. Further, we are working with the application of the jet in solar drying and thermal management of electronics.



Dr. Krishna Mohan Kumar
Assistant Professor
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PhD,Indian Institute of Science, Bangalore

Research Area and Highlights: Acoustics of Ducts and Mufflers; Noise Control of Home appliances; Industrial Noise and Vibration Control; and Designing for Quietness.

The Theoretical and Applied Acoustics research group led by Prof. K. M. Kumar focuses on providing novel solutions for automotive and industrial noise and vibration control. Currently, his research group is working on the development of novel mufflers for range extended hybrid electric vehicles and noise control solutions for kitchen mixer/grinder.



Dr. Dan Sathiaraj
Associate Professor
dansathiaraj@iiti.ac.in
PhD, Indian Institute of Technology Hyderabad

Research Areas and Highlights: Medium to High entropy alloys Severe plastic deformation (SPD), Additive Manufacturing, Micro, Nano- machining of MEAs and HEAs Surface modification Engineering (SMAT, Laser Shot-peening, etc) Mechanical and functional property study.

The Advanced forming laboratory research group, led by Dr Dan Sathiaraj, focuses on developing New Hybrid Additive Manufacturing for new material developments. Specially his group is working on a development of high temperature structural materials, light weight alloys, shape memory alloy based on multi-component.

Dr. Ashish Rajak
Assitant Professor
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PhD, Indian Institute of Technology Guwahati



Research Area and Highlight: High strain rate material processing, electromagnetic: forming, welding, crimping, cladding, hemming, powder compaction, explosive welding, vaporizing foil actuator.

Dr Ashish Rajak, focuses on developing new non contact processes for metal forming and welding. His research group is currently working on joining carbon fiber to metal using a high strain rate process using electromagnetic equipment. Some known processes like metal clinching, hemming and crimping are part of metal forming by joining. Further he is also working on developing cheap and effective medical stretchers, wheelchairs and many more medical solutions.

Dr. Sandeep Singh
Associate Professor
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PhD, Indian Institute of Technology Delhi



Research Area and Highlight: Solid Mechanics and Design, Computational Mechanics, Composite Materials and Structures, Multiscale Modelling, Atomistic Simulation, Nonlinear Dynamics, Theory of Plates and Shells

Dr. Yuvraj Madhukar
Associate Professor
yuvrajmadhukar@iiti.ac.in
PhD,Indian Institute of Technology Kharagpur



Research Area and Highlights: Wire arc / laser additive manufacturing, Laser Material Processing process monitoring and control.

Dr. Yuvraj Madhukar is specialized in Laser Material Processing, Water Assisted Laser Material Processing, Wire Arc Additive Manufacturing, Wire Laser Additive Manufacturing, and Automation and Control. Some notable projects include the design and development of adaptive path followers for wire-based additive manufacturing, design and analysis of additive manufacturing of metals, development and control of wire arc additive manufacturing of complex parts, and in-house design and fabrication of CNC milling machines.

Dr. Girish Chandra Verma
Assistant Professor
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PhD, Indian Institute of Technology Delhi



Research Area and Highlights: Machining processes, Abrasive based finishing process, Ultrasonic-assisted machining process and Additive manufacturing

Experimental investigation into tribological properties of DMLS produced Ti6Al4V- In this work tribology properties of DMLS produced Ti6Al4V was evaluated in different biofluids. Additionally the effect orientation was also observed. Influence of laser nitriding of mechanical and wear properties of high speed steel- in this work laser nitriding was performed on high speed material in open atmosphere and its effect on mechanical and wear properties was measured. Additionally the effect laser nitriding parameters was also evaluated.

Dr. Ankur Miglani
Associate Professor
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PhD,Indian Institute of Science, Bangalore



Research Area and Highlights: Combustion of next-generation fuels: Gel fuels and nanoparticle laden fuels Thermal management of power-dense electronics: Flow boiling in microchannels Microfluidics: Flow freezing in microchannels Soft-matter: Instabilities in drying colloidal droplets

The Microfluidics and Droplet Dynamics lab, led by Dr. Ankur Miglani focuses on vaporization and combustion of both Newtonian and Non-Newtonian functional droplets

Dr. Janakiraman
Assistant Professor
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PhD, Indian Institute of Technology Kharagpur



Research Area and Highlights: Energy Storage, energy Storage Materials, Lithium & Sodium-ion Batteries, Polymer Electrolytes, Composites & Thin Film Batteries.

The energy storage materials group is led by Dr S Janakiraman, focuses on fabrication and testing of cathode, anode and separators materials for lithium, sodium, and magnesium ion rechargeable batteries. He also works in a variety of polymer electrolytes and electrodes for supercapacitors. The overall goal of his group is to explore fundamental problems concerning the conduction and interfacial phenomena of rechargeable batteries.

Dr. Vijai Laxmi
Assistant Professor
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PhD, Indian Institute of Technology Bombay



Research Areas and Highlights: Microfluidics Fluid mechanics Development of lab-on-a-chip / organ-on-a-chip models for healthcare purposes

Fluid Mechanics, development of microfluidics devices for biological/chemical research, development of Organ-on-Chip Models for healthcare applications, and liquid energy harvesting. Prof. Vijai Laxmi has been recently selected as the prestigious INSA Visiting Scientist-2023 by Indian National Science Academy and her research work has been appreciated by the Naik and Rastogi Award for Excellence in PhD research-2022 by Indian Institute of Technology Bombay.

Dr. Aman Khurana
Assistant Professor
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PhD, Indian Institute of Technology Roorkee



Research Area and Highlights: Mechanics of soft active materials, Nonlinear dynamics, Finite element methods for coupled field problems, Stability analysis of electrically driven mechanical structures.

Dr. Mayank Chouksey
Assistant Professor
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PhD, Indian Institute of Technology Kanpur



Research Area and Highlights: Computational Mechanics Plasticity, Micromechanics, Non-linear Finite Element technique, Mechanics of Fracture, Damage Modelling.

Prof. Pradeep Kundu
Assistant Professor
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PhD, Indian Institute of Technology Delhi



Research Area and Highlights: Creating data-driven decision-support systems using digital twins and industrial artificial intelligence for application in the Healthcare, Manufacturing, and Defence sectors.

Mehta Family School of Biosciences and Biomedical Engineering

Dr. Parimal Kar
Associate Professor and HoS
parimal@iiti.ac.in
PhD, Michigan Tech. University, USA



Research Area and Highlights: Computational Biophysics, Structural Dynamics of Biological Macromolecules, Computer-Aided Drug Design.

The Computational Biophysics Group, led by Dr. Parimal Kar, focuses on the development and application of physics-based computational approaches including machine learning methods for biomolecular simulations to understand the structure and thermodynamics of biomolecules and elucidate the molecular basis of ligand recognition by target proteins. One of our long-term goals is to study the structure and molecular recognition of glycans by proteins, nucleic acids, and membranes elucidating the host-pathogen interactions. A deep understanding of the molecular recognition of carbohydrates is expected to be critical in developing practical therapeutics.

Dr. Amit Kumar
Professor
amitk@iiti.ac.in
PhD, IIT Roorkee



Research Area and Highlights: Molecular Structural Biology, Target Identification and Drug Discovery for different diseases.

The Molecular and Structural Biology Research Group, led by Prof. Amit Kumar, focuses on secondary structure of nucleic acids as a potential cellular and molecular target for various diseases including cancer, infectious diseases and neurological disorders. The group's research also extends to study disease mechanism and identify potent drug molecules for neurological disorders, cancer and infectious agents including protozoans, bacteria, and viruses.

Dr. Sharad Gupta
Professor
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PhD, IIT Kanpur



Research Area and Highlights: Non-invasive/minimally invasive disease diagnosis, NIR Imaging, Biomaterials, Bionanotechnology for theranostics, and regenerative medicine.

The BioPhysics and Bioengineering Research Group, led by Dr. Sharad Gupta, focuses on developing non-invasive tools for disease diagnosis and biological sample characterization. Specifically, his research group is working on a Bio-nanotechnology based approach for bio-fluid analysis, NIR imaging, biophotonics, and silk and other biomaterials based regenerative medicine. He has developed a bionanotechnology based tool for the combined chemo and photo thermal therapy of cancer.

Dr. Prashant Kodgire
Professor
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PhD, IIT Bombay



Research Area and Highlights: Molecular Immunology; Antibody Diversity Mechanism; Host-Pathogen Interactions.

Prashant Kodgire's ongoing research is broadly in the area of Molecular Immunology and Molecular Biology, especially focusing on immunoglobulin gene regulation and understanding the molecular basis of somatic hypermutation (SHM) of immunoglobulin (Ig) genes. His group's current efforts are on identifying the molecular mechanisms of action and targeting of activation-induced cytidine deaminase (AID) on the Ig genes. These studies are important for determining how the varied repertoire of antibody genes is created with the potential to react against any foreign antigenic substance, including tumor cell antigens.

Dr. Mirza S. Baig
Professor
msb.iit@iiti.ac.in
Ph.D. from CSIR-Central Drug Research Institute Lucknow



Research Area and Highlights: The MSB Lab, led by Dr. Mirza S. Baig, is focused on cell signaling networks in macrophages during various pathophysiological conditions that lead to chronic inflammatory diseases. His research group studies the regulatory mechanisms that control inflammatory response initiation, quality, and intensity.

Dr. Hem Chandra Jha
Associate Professor
hemcjha@iiti.ac.in



Research Area and Highlights: Virus-bacteria co-infection in cancers, neurological disorders, post-COVID complications on various organelles, therapeutics for infection induced diseases.

The Infection Bioengineering Research Group, led by Dr. Hem Chandra Jha, focuses on infection and co-infection of viruses (DNA- Epstein Barr Virus, RNA- SARS-CoV-2 VoCs) and bacteria (Gut and oral) in gut/lung/oral and brain compartment. Co-infection induced cancers and neurological complication in various organelles axis evaluating through various modern biology / biophysical/ biochemical / computational and AI based approaches.

Dr. Abhijeet Joshi
Associate Professor
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Ph.D.- IIT Bombay



Research Area and Highlights: Pharmacy and Biomedical Engineering.

The "TheraSens Lab" led by Dr. Abhijeet Joshi research at lies at the intersection of Theranostic and Bio-sensing approaches. They harbour an inter-disciplinary research environment with a special focus on devising Biosensors for healthcare and environmental monitoring and point-of-care devices for analytes. They are also attempting to synthesize several novel nano-carriers for targeted drug delivery approaches to effectively target diseases like Cancer.

Prof. Avinash Sonawane
Professor
asonawane@iiti.ac.in
Ph.D.- University of Marburg, Germany



Research Area and Highlights: Molecular Microbiology and Cellular Immunology, Acute Lymphatic Leukaemia Therapy.

The "Disease Biology and Cellular Immunology Research Group" led by Prof. Avinash Sonawane research is broadly focused on understanding the molecular mechanisms of Mycobacterium tuberculosis pathogenesis in bone marrow stem cells and lung macrophages, host immune evasion mechanisms, development of active small drug compounds and antimicrobial peptides, and targeted drug delivery systems to improve tuberculosis therapy. In addition to this they are also developing novel asparaginase enzyme-based therapy for the treatment of primary and relapsed acute lymphatic leukemia (ALL).

Prof. Ganti S Murthy
Professor
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Ph.D.- University of Illinois, USA



Research Area and Highlights: Sustainable Bioprocessing and Systems Analysis.

The "Sustainable Technologies Laboratory" led by Prof. G S Murthy's group broadly focuses on developing sustainable solutions for a resource-constrained world. Sustainable solutions are technically feasible, economically viable, resource sustainable, environmentally conscious, and socially acceptable. Dr. Murthy's research is specifically focused on sustainable bioprocessing and engineered systems analysis. His group employs a combination of experimental and theoretical approaches to conduct multi-scale and systems level analyses. They study the nutrient-energy-water nexus with a particular focus on building the resilience of agro-ecological systems to pulse and pressure disturbances.



Dr. Sivaraj Mohana Sundaram
Assistant Professor
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PhD, International Graduate School of Neuroscience, Ruhr University, Germany

Research Area and Highlights: Brain metabolism, rare neurodevelopmental disorders & gene therapy.

The Neurobiology research group, led by Dr. Sivaraj Mohana Sundaram, investigates metabolic signaling pathways in the hypothalamus that regulate energy balance, aiming to understand their impact on obesity and metabolic disorders. Using cellular, molecular, and electrophysiological techniques, his research group explores the connection between the hypothalamus and peripheral organs to develop effective treatments. Additionally, his group collaborates with clinicians throughout the nation to study the pathophysiology of rare neurodevelopmental disorders.



Dr. Hitendra Kumar
Assistant Professor
hitendra@iiti.ac.in
PhD, University of British Columbia, Canada

Research Area and Highlights: Biofabrication, Biomaterials development, Microfluidics, Organ-on-a-chip, Diagnostic platforms, Wearable sensing.

The Biofabrication Laboratory, led by Dr. Hitendra Kumar focuses on developing bioactive materials, bioprinting and miniature bioreactor systems. His group is currently working on developing biomaterials for improved bioprinting, improved cell growth, wearable sensing and functionality in extreme environments. These biomaterials are also targeted for modulating the cell behavior in 3D microenvironment by external stimulation. The bioprinted structures paired with perfusion bioreactor systems are being explored for simulating different physiological conditions like high shear flows and altered gravity.



Dr. Lokesh Basavarajappa
Assistant Professor
lokeshb@iiti.ac.in
PhD, IIT Madras

Research Area and Highlights: Biomedical ultrasound imaging, Quantitative ultrasound, Liver disease, Ultrasound mediated drug delivery.

His research group (Ultrasound Research and Therapy Laboratory) focuses on developing single-channel ultrasound devices and clinical translatable technologies readily integrated into the existing ultrasound systems. His group is also working on clinical translation aspects of ultrasound-mediated drug delivery.

Dr. Sourav Chandra
Assistant Professor
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PhD, IIT Madras



Research Area and Highlights: Neuro Robotics, Neuro-rehabilitation technology, Brain-machine interface, Haptics. BioMedical Instrumentation, Signal processing, Mathematical modeling of physiological systems, Wearable Devices.

The Neurorobotics Research Group, led by Dr. Sourav Chandra, focuses on understanding and neural control of movements in healthy human subjects and their deficits in neurological diseases and disorders. He utilizes high-density, non-invasive recordings to probe and identify the properties of the neural and neuromuscular system, developing non-invasive tools for disease diagnosis and neurorehabilitation. Specifically, his research group is working on wearable devices, i.e., hybrid EMG and IMU-based systems, to improve the accuracy of the therapeutic outcome assessments for hand rehabilitation.

Mehta Family School of Sustainability

Prof. Pritee Sharma
Professor
Head of Department
psharma@iiti.ac.in
PhD, Indian Institute of Technology Bombay



Research Area and Highlights: Sustainability Studies, Natural Resource Allocation, Food Security and Agricultural Policy.

Professor Pritee Sharma directs the Sustainability Studies Research Group at the institute which works on various socio-economic aspects of targeting sustainable development concerns in India. She is Co-Convener of the JP Narayan National Centre of Excellence in the Humanities, funded by the Ministry of Education, Govt. of India. She is Co-PI in the Centre for Narmada River Basin Management funded by the Ministry of Jal Shakti, Govt. of India. She is also a team member in the DST Centre for Policy Research, funded by the DST, Govt. of India. She has been leading member and team member in various studies funded by the ICIMOD-Sandee, Rockefeller Foundation, UNICEF, MPRRA, Ministry of Env and Forests, Ministry of Agriculture, Govt. of India.



Dr. Kiran Bala
Professor
Mehta Family School of Sustainability, IIT Indore
kiranb@iiti.ac.in

Research Area and Highlights: Environmental Biotechnology, Water and wastewater treatment, Algal technology, Bioenergy, Bioplastics, Remediation of Emerging contaminants.
Algal Ecotechnology and Sustainability group led by Dr. Kiran Bala focuses on various environmental issues to develop tools for management of our water and energy resources with the support of algae and bacteria. Group is working to develop and refine different bioprocesses to target biodiesel, bioplastics etc.

Notable R&D Activities:

- Novel peptides and bioactive compounds have been explored as DPP-IV inhibitors from magneto-primed soybean seeds and algae species for diabetes treatment
- Cost effective production and optimization of Biopolymers from algae-bacteria consortium
- Carbon stock assessment of Ramsar wetlands (Sirpur and Yashwant Sagar) in Indore

Projects:

PROJECT	SPONSORED	CONSULTANCY
ONGOING PROJECTS	03 (1 SPARC, 1 MPSWA, 1 DST)	03

Prof. Manish Kumar Goyal
Professor
Chair Professor- BIS Standardization
mkgoyal@iiti.ac.in
PhD: Department of Civil Engineering, Indian Institute of Technology, Roorkee, India, 2011



Research Area and Highlights: Hydrology, Climate Change, Irrigation, Glaciology, Water & Air Pollution, Remote Sensing, Data Mining and Artificial Intelligence.

- Identified 329 glacial lakes in the Indian Himalayas with area more than 0.05 sq.km, with 73 marked as high or very high risk.
- Remote sensing-based assessments covered climate vulnerability of Ramsar wetlands, atmospheric rivers, air pollution, and urban climate extremes.
- Developed Machine learning models to analyze crop yield impacts in Sikkim and Madhya Pradesh.
- Ecosystem Resilience Maps and Multi-Hazard Risk assessments were also developed.

Prof. Saurabh Das
Associate Professor and Head of Department
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PhD, University of Calcutta/ Space Applications Centre, ISRO



Details of Research Area: My research focuses on the intersection of atmospheric sciences, remote sensing, and space weather, with a specific emphasis on tropical regions. For nearly two decades my research has been dedicated to the development and application of novel remote sensing techniques for understanding and modeling of the near-earth space environment and atmospheric processes. I leverage multi-sensor observations—including Doppler Weather Radars, NavIC/GPS, in-situ and satellite observations—alongside advanced Machine Learning and Deep Learning frameworks to model complex atmospheric and space weather phenomena. My work aims to improve the predictability of extreme weather events (such as tropical cyclones and intense rainfall), characterize precipitation microphysics, and mitigate the effects of atmospheric and ionospheric disturbances on satellite-based navigation and communication systems with the ultimate goal to enhance the accuracy of atmospheric monitoring and forecasting systems.

Details of Research Highlights: We are working on understanding and nowcasting extreme weather events using Numerical Weather Prediction (NWP) and Doppler Weather radar (DWR). Both tropical and polar atmospheres are of crucial interest to this group. Our major focus is on quantitative precipitation estimation and parameter retrieval from satellite and radar remote sensing observations. Our group members regularly participated in Indian Arctic Expeditions and are also focused on studying the polar precipitation characteristics. We also try to decode the coupling between the upper and lower atmosphere, which is crucial for communication, navigation, and remote sensing satellites, as well as for the NWP models. The focus revolved around the extreme events like thunderstorms that result in perturbations in the atmosphere, as well as the geomagnetic storms that perturb the atmospheric electricity and cloud formation. We are also actively involved in developing machine learning and AI algorithms for DWR calibration, space weather forecasting, thunderstorm and lightning predictions, cyclone and convective cell tracking, hyperspectral remote sensing, and drone-based image.

Dr. Pankaj Dey
Assistant Professor Grade I
Mehta Family School of Sustainability
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PhD, Indian Institute of Science, Bangalore



Details of Research Area: Dr. Pankaj Dey has expertise in Stochastic Hydrology, Catchment and Large Sample Hydrology, and applying principles of complex systems to hydrologic inference. He is one of the core members of CAMELS-INDIA dataset – which comprised of hydrometeorological time series and catchment attributes of more than 200 catchments in Peninsular India. He is interested in all the areas of catchment hydrology which impacts decision making, improvement in hydrological modeling and teaching advanced hydrological concepts.

Prof. Abhishek Aggarwal
Assistant Professor Grade I
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PhD, Indian Institute of Science, Bengaluru, India



Research Area: My research involves studying transport phenomena, interfacial dynamics, and electrochemical mechanisms in advanced energy storage (battery) systems. My current interests include high-entropy liquid electrolytes, Silicon anodes, and solid-electrolyte interphases (SEI) for next-generation battery technologies. I employ high-performance molecular dynamics simulations and electronic structure calculations (e.g., LAMMPS, GROMACS, and DFT) along with Machine Learning (ML) techniques to build detailed molecular models and reliable computational frameworks to design sustainable energy materials.

Research Projects:

1. Data-guided design of high-entropy electrolytes for high-performance batteries using ML/AI and MD.
2. Engineering membranes for efficient water desalination by understanding the water transport mechanism.
3. Tuning ionic transport at the electrode-electrolyte interface for commercial batteries.

Department of Metallurgical Engineering and Materials Science

Prof. Ajay Kumar Kushwaha
HoD& Associate Professor
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PhD, IIT Bombay



Research Area and Highlights: 1.Nanomaterials & Thin Film, Metal oxides, Metals, Chalcogenides and Graphene &Mxenes Defects, Surface modification, & Opto-electronic Properties; 2. Electrocatalysis-Green Hydrogen Production-Electrochemical Sensors, Electrochemical Corrosion; 3. Electron Devices

Prof. Abhijit Ghosh
Assistant Professor
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PhD, Indian Institute of Technology Kharagpur



Research Area and Highlights: (a) Crystallographic texture and grain boundary. (b) Physical Metallurgy of Steel. (c) Fracture mechanics and Micro-mechanism, (d) Crystal plasticity
(e) Martensitic transformation

Prof. Chandan Halder
Assistant Professor
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PhD, Indian Institute of Technology Kharagpur



Research Area and Highlights: Computational Materials Science, Microstructure Modeling and Simulation, Alloy design

Prof. Dhirendra Kumar Rai
Associate Professor
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PhD, Indian Institute of Technology Bombay



Research Area and Highlights: Since its inception in the year 2018, the SEEM lab has actively been engaged in developing new materials in the following field of applications: i) Energy storage (Batteries and supercapacitors), ii) Hydrogen and oxygen evolution reactions, iii) CO2 capture and utilization, iv) Desalination membrane.

Prof. Dudekula Althaf Basha
Assistant Professor
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PhD, Indian Institute of Science, Bangalore.



Research Area and Highlights:
1) Deformation behaviour of magnesium alloys. 2) Phase transformation behaviour of alloy nanoparticles. 3) Crack propagation behaviour study through in-situ microscopy techniques.



Prof. Eswara Prasad Korimilli
Associate Professor
eswar@iiti.ac.in
PhD, IISc Bangalore

Research Area and Highlights: The work domain of the MoM group is in the area of mechanical behavior of materials primarily to understand the role of various microstructural length scales and experimental time scales on the deformation behavior of materials. Our group uses several mechanical and micro-structural characterization tools to unravel the influence of micro-structure, primarily, on the mechanical properties. We resort to both experimental and computational techniques to develop a holistic understanding of the role of various micro-structural features on the deformation and failure of various materials.



Prof. Hemant Borkar
Assistant Professor
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PhD, McGill University, Canada

Research Area and Highlights: The research work focuses on advances in lightweight alloys and metal matrix composites and their deformation behavior. Understanding the relationships in process-structure-property of materials and study of advanced manufacturing techniques are the areas of interest.



Prof. Jayaprakash Murugesan
Associate Professor
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PhD, Nagaoka University of Technology, Japan

Research Area and Highlights: Our research area includes joining of dissimilar materials through fusion welding technique and solid-state welding technique. Study on mechanical behavior of welding joints. Fabrication of metal matrix composites through friction based solid state additive manufacturing route. Fatigue and fretting fatigue behavior of high strength materials.

Prof. Mrigendra Dubey
Associate Professor
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PhD, Indian Institute of Technology Guwahati



Research Area and Highlights: Soft Materials particularly Metallogels with an objective to achieve conductance, catalysis, super absorbent, morphology, rheological and optical (luminescent) properties for various kinds of applications. Also, our research interest includes synthesis for luminescent carbon dots for anti-counterfeiting application.

Prof. Nisheeth Kumar Prasad
Assistant Professor
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PhD, IIT Kanpur



Research Area and Highlights: Processing-structure-corrosion property correlation of metals and alloys, Anode design for cathodic protection: sacrificial and ICCP, Concrete corrosion and prevention, Corrosion resistant alloy development for harsh environment.

Prof. Parasharam M. Shirage
Professor
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PhD, Shivaji University Kolhapur



Research Area and Highlights: The research work of Prof. Parasharam Shirage focuses on Materials for Sustainable Energy and Environment addressing: (i) Technology Development: Batteries, Supercapacitors, Solar cells, Sensors; (ii) Materials Development: Thin films and herero-nanostructures for batteries, Supercapacitors, Solar cells, Sensors and Single Crystal Growth of Superconductors for exotic phenomena/ vortex dynamics ; and (iii) Processes: Process to grow large single crystals of Superconductors, Controlled growth of Nanostructures for Multifunctional applications.

Dr. Ram Sajeevan Maurya
Assistant Professor
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PhD, Indian Institute of Technology (IIT) Kharagpur



Research Area and Highlights: Our research group extensively works on Oxide Dispersion Strengthened (ODS) alloys, Oxide Dispersion Strengthened High Entropy Alloys (ODS-HEAs), Bulk metallic glasses and High entropy alloys. Currently, our research group performs extensive investigation and exploration of structure-property relationships in a variety of metallic alloys which includes BMGs and its composite, HEAs and ODS alloys

Prof. Rupesh Shivaji Devan
Professor
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PhD, Shivaji University Kolhapur



Research Area and Highlights: Advanced and sustainable energy storage and conversation technologies with tailorable electrochemically active materials are the present research dominancy towards an urgent global need for electric vehicles and portable electronics. Therefore, our group mainly focuses on materials for energy storage and conversation applications. Particularly, on developing nano-hetero- architectures for applications in hybrid supercapacitors, water remediation, green hydrogen generation and solar cells.

Prof. Santosh Sattappa Hosmani
Professor
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PhD, Max-Planck Institute for Metals Research, Stuttgart, and
University of Stuttgart, Germany



Research Area and Highlights: The SEHt Group, headed by Prof. Hosmani, is dedicated to understanding the severe surface deformation and surface alloying of various ferrous and nonferrous alloys. Our group attempts to study the effect of surface engineering on the microstructures and properties (mechanical, tribological, and corrosion) of the alloys. For such a study, our group frequently uses characterization tools like SEM, EBSD, XRD, GDOES, EPMA, Raman spectroscopy, microhardness, nanoindentation, pin-on-disk tribometer (dry, lubricated, and high temperature), etc. Our group also focuses on coatings to enhance the tribological properties of alloys.

Prof. Sumanta Samal
Associate Professor
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PhD, Indian Institute of Technology Kanpur



Research Area and Highlights: Research interests include solidification, physical metallurgy, phase transformations and phase equilibria in materials, hot deformation behaviour in multicomponent/high entropy alloys, Phase selection kinetics in deeply undercooled metallic melts, phase field simulation for microstructural evolution.

Prof. Sunil Kumar
Associate Professor
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PhD, Indian Institute of Science



Research Area and Highlights: The Solid-State Ionics Lab is involved in experimental research and primarily focuses on the design and development of functional materials for energy storage and piezoelectric applications. Briefly, we aim to develop solid electrolytes as a means to have safer, cheaper, and better-performing electrochemical energy storage systems. The overarching goal of our group is to systematically investigate and address the fundamental questions related to Li-ion conduction and interfacial phenomenon and associated impact on the charge/discharge capacities, columbic efficiency, electrochemical stability, and cyclability of rechargeable lithium batteries. Various dopants and processing parameters on the microstructure (especially domains), crystal structure, and physical properties of lead-free piezoceramics. Further, our group synthesizes novel pseudo-binary solid solutions and explores in-depth the compositions near the morphotropic phase boundary to understand the extrinsic contribution to the electromechanical properties of identified systems.

Prof. Venkata Vamsi Koruprolu(Vamsi)
Assistant Professor
kvvamsi@iiti.ac.in
PhD, Indian Institute of Science, Bangalore



Research Area and Highlights: Atomistic simulations based on density functional theory, Computational thermodynamics, Integrated Computational Materials Engineering (ICME), Alloy design, Structure-property correlations, High-throughput methods, Planar fault energies, Deformation pathways, High temperature deformation, Superalloys, Multi-principal element alloys (MPEAs), Intermetallics.

Prof. Vinod Kumar
Associate Professor
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PhD, IIT Kanpur



Research Area and Highlights: Our research group uses experiments and analytical theory to explore the materials-processing-structure-property relationships in structural metallic materials and energy materials and their development for required engineering application, with particular emphasis on the role of structural disorder and its effect on environmental degradation and mechanical properties. Our research also involves non-equilibrium processing for development of energy materials and high entropy alloys of industrial relevance using variety of tools as well as in developing new metal-matrix composites.

Prof. Ranjith Kumar Poobalan
Assistant Professor
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PhD, Indian Institute of Science



Research Area and Highlights: Thin films and Multilayer coatings, Energy harvesting materials, Protective Coatings, Nanomaterials, Optical Materials.

Prof. Khushubo Devi
Assistant Professor
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PhD, Indian Institute of Technology Kanpur



Research Area and Highlights: Sustainable metallurgy and materials, Green Steel, Hydrogen plasma-based/ Directreduction of iron ores, In-situ Heating TEM, Environmental In-Situ TEM, Phase Transformation, Nanomaterials.

Prof. Vivek Verma
Assistant Professor
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PhD, Indian Institute of Technology Kanpur



Research Area and Highlights: Diffusion in Metals and Multicomponent solids (Theoretical and Experimental), Phase Equilibria, High Entropy Alloys (HEAs), Light Weight Alloys.

Department of Physics

Dr. Preeti Anand Bhobe
Professor and Head of the Department
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PhD, Goa University



Research Area and Highlights: Quantum Materials & Magnetism, Magneto-transport in Heuslers and 2D materials, X-ray Absorption Spectroscopy

Prof. Bhobe's research group focuses on exploring the magnetic and structural properties of various Intermetallic compounds, with the aim of identifying their potential application in spintronic technologies and demonstrating half-metallic ground states. In addition, her group works on engineering the electronic structure of materials to broaden their applicability areas such as magneto-transport in 2D van der Waals materials, thermoelectricity in chalcogenides, optoelectronic behaviour in halide perovskites, oxygen storage capacity of catalytic oxides, and resistive memory in Heusler compounds.

During 2025–26, Prof. Bhobe published nine research papers in leading journals, including Physical Review B and Journal of Applied Physics, delivered several invited talks at international forums, and served as a thesis examiner for international PhD dissertation. She also regularly reviews research project proposals for external funding agencies such as CSIR and DST, as well as synchrotron user proposals for DESY, Germany and Photon Factory, Japan. In addition, Prof. Bhobe serves as a Co-Principal Investigator (Co-PI) in the SAKSHAM project under the Anusandhan National Research Foundation (ANRF) PAIR scheme, an institute-level hub-and-spoke initiative involving a consortium of seven partner (spoke) institutes.

Dr. Subhendu Rakshit
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PhD, University of Calcutta



Research Area and Highlights: Physics beyond the standard model of particle physics, implications in astrophysical and cosmological observations, Higgs and neutrino physics.

Currently his group is interested in the physics studies related to the neutrino observatories, such as the IceCube and KM3NeT, measuring high-energy neutrinos coming from extra-galactic sources and explorations of physics beyond the standard model of particle physics through the observation of gravitational waves. He is also interested in constraining such new physics from the observations of compact stars.

Dr. Krushna R Mavani
Professor
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PhD, Saurashtra University



Research Area and Highlights:: Experimental Condensed Matter Physics

Prof. Krushna R Mavani was appointed as a postdoctoral researcher and was awarded by 'Wakastayoshiki' research project fund as Principal Investigator by Japan Society for Promotion of Science (JSPS) at Kyoto University, Japan. Before this, she worked as a Research Fellow at Osaka University, Japan and the Tata Institute of Fundamental Research (TIFR), Mumbai. She worked as Junior Research Fellow in a collaborative project of Saurashtra University and the Inter-University Centre for Acceleration (Former) Nuclear Science Centre), New Delhi, on High Temperature Superconductor Thin Films. Her research interests include PLD grown thin films, multilayered structures and nanostructures of functional oxides for investigating fundamental and applicable properties. Prof. Mavani is editorial board member of international journal 'PRAMANA: the journal of physics' published by Indian Academy of Sciences, Bangalore. She has been a member of expert committee evaluating 'Start-up projects', National Postdoctoral Fellowship (NPDF), and 'Women Scientists Scheme-A (WOSA)'

Prof. Mavani's research group has recently assembled a terahertz spectroscopy set up at IIT Indore and produced results on thin films of double perovskite. Prof. Mavani has recently grown porous yet crystalline vertically aligned nanostructures using Pulsed Laser Deposition. The metallic ensembles within an insulating matrix of the nanostructures have been detected by terahertz spectroscopy.

Dr. Sarika Jalan
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PhD, Physical Research Laboratory Ahmedabad



Research Area and Highlights: Non-linear Dynamics and Complex Networks

Sarika Jalan is a Professor at Indian Institute of Technology Indore in the Department of Physics. Before joining IIT Indore, Sarika was senior research scientist at NUS, Singapore. She did her PhD from Physical Research Laboratory Ahmedabad, followed by Postdoctorate at Max-Planck-Institute for Mathematics in Sciences, Leipzig, and Max-Planck-Institute for Physics of Complex Systems Dresden, Germany. Prof Jalan served as Editor-in-Chief of Journal of Computational Science (JOCS Elsevier) (2021-2025), and currently is section Editor for Chaos, Solitons and Fractals. She is also Editor of EPJB (Springer) and Associate Editor of Chaos: An interdisciplinary journal of nonlinear science (AIP).

She is elected executive member of Complex Systems Society, awarded with prestigious serb Power Fellow (2022-2025), and recently been nominated for founding cohort of INSA women associate (2026 -). In 2025 Prof. Jalan received an outstanding service award from NetSci society USA for her outreach activities. Also, Prof. Jalan has been awarded the WISER project with Prof. Mehrnaj Anvari from Fraunhofer Institute for Algorithms and Scientific Computing, Germany and VAJRA project titled "Self-organized and emergent phenomena in adaptive networks" with Prof. Stefano Boccaleti from CNR Institute for Complex Systems, Italy.

She is organizer of NetSciX 2025, a winter flagship conference of NetSci Society USA along with Prof. Hiroki Shyama from Brimhangan University USA, at IIT Indore in 2025. She has also co-organized a mini-symposia along with Mehrnaz Anvari, Fraunhofer Institute for Algorithms and Scientific Computing, Germany during Dynamics Days Europe 2023, Naples Italy and "Concepts from complex systems – networks, synchronization, recurrence", during 70th Birthday celebration of Jurgen Kurths in 2023 Potsdam, Germany, with M Carmen Romano from Institute for Complex Systems and Mathematical Biology, University of Aberdeen.



Dr. Ankhi Roy
Professor
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PhD, IIT Bombay

Research Area and Highlights: Experimental High Energy Physics, QGP Phenomenology

Prof. Ankhi Roy studies the production, fragmentation, and hadronization of HeavyFlavours with the ALICE experiment at CERN. Her research also involved study of Heavy Flavour and Jets with Electron Ion Collider (EIC) experiments at BNL, USA, and Small-x physics with Forward Calorimeter (FoCAL) in ALICE.



Dr. Manavendra Mahato
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PhD, University of Michigan, Ann Arbor, USA

Research Area and Highlights: Theoretical High energy physics, Gauge/ gravity correspondence, Black hole physics

The main area of research of MN Mahato's lab is gauge/gravity correspondence. It uses the relation between certain theories of gravity and quantum field theories to solve various problems by reinterpretation. We investigated certain properties of bit threads, which are vector fields carrying information in various backgrounds. We also investigated a coupled fermionic theory in 1+1 dimensions (SYK model) for various thermodynamic properties. We continue to further investigate along this approach to elucidate their interesting properties.



Dr. Raghunath Sahoo
Institute Chair Professor
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PhD, Institute of Physics, Bhubaneswar

Research Area and Highlights: Experimental High-energy Nuclear Physics, Quark-Gluon Plasma and Early Universe.

Professor Raghunath Sahoo earned his PhD from the Institute of Physics, Bhubaneswar. He was a postdoctoral fellow at Subatech, France, and INFN, Padova, Italy, before joining IIT Indore. He has worked at Brookhaven National Laboratory, USA and CERN, Geneva, Switzerland, for the creation of quark-gluon plasma in the laboratory in ultrarelativistic heavy-ion collisions.

Prof. Sahoo is a Fellow of the Institute of Physics, United Kingdom and an elected fellow of the National Academy of Sciences, India (NASI). He was selected as an Associate Fellow of INSA, New Delhi-2024. He was a CERN scientific associate at CERN, Geneva, Switzerland. He has shouldered the responsibilities of Deputy Spokesperson and Chairperson of ALICE-India Collaboration, a high-energy physics collaboration of around 14-Indian universities and institutions, comprising almost 100 scientists and engineers. He has been recognized as a distinguished referee of European Physics journals-2024 and has become a member of the Scientific Council of JINR, Dubna, Russia- an international laboratory for nuclear research. Prof. Sahoo is one of the laureates of Breakthrough Prize in Fundamental Physics-2025.

Prof. Sahoo has been awarded the Excellence in Research Award-2024 (IIT Indore's 15th Foundation Day). Besides, he is the Expert Member, Technical Evaluation Committee of DST on Phase II of Scientific Collaboration with ISIS neutron and muon source at Rutherford Appleton Laboratory, UK, and Expert Member, Technical Evaluation Committee of DST on Phase III of Indian Beamline at Photon Factory KEK, Tsukuba, Japan. He is on the editorial board of Nature Scientific Reports, Physica Scripta, and MDPI Physics and Advances in Mathematical Physics. His book on Relativistic Kinematics: A Journey in Spacetime published by Springer (2025) is widely used by the experimental high-energy nuclear physics community.

Presently, Professor Sahoo is working as an Institute Chair Professor.



Dr. Rajesh Kumar
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PhD, IIT Delhi

Research Area and Highlights: Experimental Condensed Matter Physics, Nanomaterials, Electrochromic Smart windows, Device Physics, Raman Spectroscopy and Microscopy.

His approach towards research is two fold where he not only investigates the basic physical phenomena taking place at microscopic level but also designs materials for real applications like field emission and electrochromic displays, sensors and energy storage. Inspired by nature, recently his group has synthesized different organic, inorganic, hybrid as well as Herbal nanomaterials for such applications. His group has discovered a new method for quantification of short-range order in amorphous materials by simply utilizing Raman spectroscopy.

Prof. Rajesh is Fellow, Indian Chemical Society, Executive Editor- Semiconductor Science & Technology (IoP), Member- Editorial Advisory Board (ACS Appl. Opt. Matter), Member- Editorial Advisory Board (APL Electronic Devices). He was awarded the Top Cited Paper Award (2023) by IoP (Inst. of Physics) publication.

Technologies developed

- Technology for developing superflexible supercapacitor
- Technology for fabricating multicolor electrochromic supercapacitor (Indian Patent Granted)
- Technology to design heat soothing safety goggles.

Prof. Pankaj R Sagdeo
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PhD, UGC-DAE Consortium for Scientific Research,
DAVV Indore



Research Area and Highlights: Condensed matter physics, strongly correlated materials, Ferroelectric materials, Multiferroics, Electron-phonon interactions, spin-phonon coupling, Solid state ionic conductors.

Prof. Sagdeo demonstrated the importance of local strain on the various electronic and magnetic phases and their coexistence observed in Perovskite Oxides. During post-doctoral work Prof. Sagdeo designed the XMCD beamline for INDUS-2 Synchrotron X-ray source and studied the electronic structure of Ca-doped LaMnO3 using PES beamline (BL-2) on INDUS-1 Synchrotron x-ray source.

The technology developed by Prof. Sagdeo's research group which characterizes semiconductor material as a function of temperature has been published in the handbook of Ideas, Innovations & Technology of IIT Indore in February 2024 and 2025.

Presently, Professor Sagdeo is working as the Dean of Infrastructure Development.

Prof. Sudeshna Chattopadhyay
Professor
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PhD, Saha Institute of Nuclear Physics, India



Research Area and Highlights: Prof. Sudeshna Chattopadhyay is a professor in the Department of Physics at Indian Institute of Technology Indore, with broad area of research in Experimental Condensed Matter Physics. She did her Ph.D. at Saha Institute of Nuclear Physic, India, followed by work as a postdoctoral fellow in Physics at Northwestern University, (2008-2010), and as a research associate in Materials Science and Engineering at Northwestern University, USA, under Energy Frontier Research Center project in collaboration with Argonne National Lab, (2010-2012), prior to joining as assistant professor as IIT Indore in 2012. She is a recipient of Deutscher Akademischer Austausch Dienst (DAAD) Faculty Award, and several national and international external research project funds. Her research area includes surface and interface science, thin films, quantum materials, synthesis and interface engineering of 2D and nanostructured materials for optoelectronics, energy conversion and energy storage involving Li and Al-ion batteries; nanotechnology in disease diagnosis and environmental remediation; soft matter physics; organic/inorganic-heterojunction; x-ray scattering and atomic layer deposition. In last one year (2025-26), she has received STARS, MoE research funding of sanctioned funding amount: INR 100 lakhs or 1 Crore, on battery research in collaboration with two faculty members from IIT (BHU) Varanasi, jointly, for 3-yrs. She is also part of successful ANRF PAIR grant proposal 2025 from IIT Indore, the HUB institute. She has received Best Technology Award ("Excellence in Technology Development Award, from IIT Indore), along with international journal publications and two granted patents on "A thin film rechargeable battery and method thereof" (patent no. 560833) and "A process for developing a Zirconia (ZrO_2) based wide bandgap high-k dielectric material" (patent no. 589616) with her research group. Her patented innovation has been selected by the organizer for demonstration in IInvenTiv-2026, which is a prestigious flagship R&D fair organized by the Ministry of Education, Government of India, to showcase indigenous innovations and strengthen the research-to-technology ecosystem.

Dr. Somaditya Sen
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Research Area and Highlights:: Specialized on structure correlated physical properties analysis on some modified simple, as well as some complex oxide materials.

His research interest includes Ferroelectricity, Multiferroicity, Magnetism, Semiconductors, Devices, Nanomaterials and Bio-applications.

The research target of his group is to synthesize single phase chemically modified oxide materials to study the structure correlated opto-electronic, magnetic, ac/dc transport, energy research, dielectric, ferroelectric, resonating antenna, bio-applicable properties of the materials. The materials synthesized in the lab are subjected to various physical parameter studies e.g. electronic bandgap and defect studies, carrier concentration and type determination, mobility factor, light and gas sensing properties, dielectric resonator properties, pressure induced properties, electrochemical, antibacterial, wound healing, algae growth, seed germination properties etc.



Dr. Srimanta Pakhira
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Research Areas and highlights: Prof. Pakhira is an Associate Professor in the Discipline of Physics and Centre for Advanced Electronics, IIT Indore. The Theoretical Condensed Matter Physics and Advanced Computational Materials Science Laboratory, led by Prof. Srimanta Pakhira, focuses on the study of CO2 and CO capture, electrocatalysis in porous materials, 2D materials and perovskites, the study of H2 storage in nano porous materials, the study of novel batteries technology using DFT, QM/MM and GCMC simulations, MD simulations. The broad research works cover theoretical condensed matter nanoscience, computational materials science, theoretical condensed matter physics, material science and engineering, and materials design.

Prior to establishing his laboratory at IIT Indore, Dr. Pakhira expanded his expertise through rigorous research tenures, notably as a Postdoctoral Research Associate at the University of California, Berkeley, and through foundational research at the Indian Association for the Cultivation of Science (IACS). Today, he directs the ACMS Lab, leading a dynamic team of Ph.D. scholars and researchers in leveraging high-performance computing to solve critical, real-world challenges in energy storage and quantum materials.

Selected High-Impact Publications:

Dr. Pakhira's research is globally recognized and extensively published in top-tier peer-reviewed journals. A selection of his prominent contributions includes:

Nature Materials (2024): Reaction-driven restructuring of defective PtSe2 into ultrastable catalyst for the oxygen reduction reaction. (Impact Factor: 41.2)

Journal of Materials Chemistry A (2026): Demystifying the Dual-functional Electrocatalytic Activity of the 2D Co-Doped NbSSe Janus Transition Metal Dichalcogenide for O2 Reduction and H2 Evolution Reactions. (Impact Factor: 11.5)

Journal of Materials Chemistry A (2026): Insight into Multivalent Iron Complex-Bound Oxygen Vacancy-Rich BiOBr Nanodiscs for Photocatalytic Ammonia Synthesis. (Impact Factor: 11.5)

Wiley (Small) (2025): Low Bandgap NiCo2S4 Nanoparticles Decorated 2D-BiOBr Nano Pallets: Atomic Level Insight into the Active Sites for Photocatalytic H2O2 Production. (Impact Factor: 13.0)

Wiley (Small) (2025): Semiconducting Cu(I) framework for room temperature NO2 sensing via efficient charge transfer. (Impact Factor: 13.0)

ACS Applied Materials & Interfaces (2022): Aging responsive phase transition of VOOH to V10O24, nH2O vs. Zn2+ storage performance as rechargeable aqueous Zn-ion battery cathode. (Impact Factor: 10.3).

Dr. Dipankar Das
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Research Area and Highlights: Theoretical Particle Physics

His current research interests include precision Higgs physics and flavor model building based on discrete symmetries. While the Higgs boson discovered at the LHC represents a major milestone, it may well be only the first member of a richer Higgs sector yet to be uncovered. Dr. Das and his research group actively investigate such alternative scenarios, which could offer deeper insights into some of the unresolved shortcomings of the Standard Model, including the origins of neutrino masses and the nature of dark matter. In parallel, the group develops novel mathematical frameworks based on discrete symmetry groups to address the apparent arbitrariness underlying fermion masses and mixing patterns.

Dr. Debajyoti Sarkar
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PhD, City University of New York



Research Area and Highlights: Dr. Debajyoti Sarkar's current research broadly includes string theory and its applications in gravity (general relativity) and quantum fields (quantum field theory). In particular, his group is interested in the framework of Anti de Sitter (AdS)/ Conformal Field Theory (CFT) correspondence within string theory and their inter-connections with black hole physics, algebraic quantum field theory and quantum information theory.

Besides multiple invited talks, thesis jury duties (nationally and internationally), referee services (research publications and grant proposals), Dr. Sarkar published four papers during the academic year 2025-2026 in journals such as Physical Review D and JHEP. For more details, see the faculty webpage https://people.iiti.ac.in/~dsarkar/.

Dr. Alestin Mawrie
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PhD, IIT Kanpur



Research Area and Highlights: Theoretical Condensed Matter

Prof. Mawrie's research group focuses on the phenomena of quantum transport in low-dimensional meso/nano-scale systems. These low-dimensional systems involve graphene and its derivatives, silicene, mesoscopic hybrid junctions, and Weyl semi-metal, to name a few. We are also giving our attention to systems that exhibit band inversion to form topological band structures. Prof. Mawrie is the recipient of SERB grant for his research work and his research work has been published in scientific journals of repute, viz. Physical Review B, Journal of Physics D: Applied Physics, and Journal of Physics: Condensed Matter.

Dr. Onkar Game
Assistant Professor
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PhD, Savitribai Phule Pune University (SPPU) and
National Chemical Laboratory (NCL) - Pune



Research Area and Highlights: Dr Onkar Game did his PhD at CSIR-National Chemical Laboratory (NCL), Pune and Savitribai Phule Pune University where he studied Engineered Nanostructures for Solar and Optoelectronic applications. This was followed by two postdoctoral positions [Brown University, USA (2015-17) and University of Sheffield, UK (2017-22) which were mainly focused on hybrid halide perovskite solar cells and optoelectronic devices. His scientific endeavors have resulted in over 50 published research papers in notable journals, such as Advanced Materials, Energy Environmental Science, and Advanced Functional Materials. His work has attracted more than 3,300 citations, demonstrating a h-index of 29.

Housed within the Department of Physics at the IIT Indore, Dr Onkar Game has established a research group named Advanced Energy Materials and Devices (AEMD) Group. The group is deeply committed to advancing research in cutting-edge functional materials and sustainable technologies aimed at clean and renewable energy generation. In parallel, we actively investigate novel semiconducting materials for a wide range of optoelectronic applications including detectors, LEDs, transistors, and beyond - expanding the frontiers of next-generation device innovation. The group has recently secured external funding worth Res. 1.86 Crore from agencies such as ISRO, DRDO and ANRF to work on coatings for space communications, ultralightweight solar cells and H2 generation using water splitting.



Dr. Naresh Kumar Kumawat

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PhD, IIT Bombay

Research Area and Highlights: Experimental Condensed Matter Physics

His research focuses on solution-processed metal halide perovskite, organic, and metal oxide semiconductor thin films for energy technologies. Prof. Kumawat has recently been awarded the SRG-SERB Research Grant 2023 with a project cost of 31 Lakh. He is the Reviewer for scientific journals viz. RSC Advances, Advanced Materials, Advanced Functional Materials, and Advanced Energy Materials.



Dr. Mritunjay Kumar Verma

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PhD, Harish Chandra Research Institute, Prayagraj
Research Area and Highlights: String Theory and related areas

Prof. Mritunjay Kumar Verma works in the field of string theory and related areas. At present, he is working on two main research directions. In the first direction, he is using string theory to study the dynamics of massive higher spin string states. This includes, e.g., the role of massive higher spin fields in our universe at low energies. In the other research direction, he uses the AdS/CFT correspondence to study physics in the flat space by taking a suitable flat limit of AdS. One of the goals here is to understand the holographic principle in flat space.

During the period July 2025 and May 2026, Prof. Verma published two papers. The first paper (Arxiv: 2512.06881) derived the most general structure of carrollian 2 and 3 point functions allowed by the Carrollian conformal symmetries in both position and momentum space. The paper also derived the carrollian limit of CFT 2 and 3 point function and derived all the branches of correlators in this limit. In the second paper (Arxiv: 2602.02662), the interacting massive spin 2 field was analysed in AdS background. In particular, its holographic renormalization was performed and flat limit of 2 and 3 point functions were taken.

During this period, Dr. Verma also visited INFN Napoli (Italy) and FZU Prague for research collaboration and presented his work. He was also invited to give a talk in the Indian strings Meetings 2025 held in December 2025 in Bhubaneswar

Dr. Bivas Dutta
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Research Area and Highlights: Prof. Dutta's current research interests lie in experimental measurements of Quantum Transport and their applications in nanoelectronic circuits, which broadly fall under experimental condensed matter physics. More specifically, his research group is interested in Quantum Heat Transport and Thermodynamics in nano-electronic quantum circuits, including quantum-dot circuits, 2D semiconducting heterostructures, etc.

His research highlights include thermal conductance measurements in a single-electron transistor (SET), demonstrating the violation of the fundamental law of thermal conductance, for the first time in the research community; development of the single-quantum heat valve using quantum-dot junctions and thermo-electric transport measurements in quantum-dot transistors. The highlights also include thermal probing of a non-abelian quasiparticle – the "Majorana" in the fractional Quantum Hall regime, with the use of thermal noise measurements and quantum Hall thermal conductance measurements, which is a promising candidate for topological quantum-computation. His research works have been published in high-impact scientific journals, such as Science, Nature Communications, PRL, Nano Letters, etc.

He has received the Prime Minister Early Career Research Grant (PMECRG) as PI funded by ANRF, DST, Govt. of India.

He is co-PI of the PAIR Network of SAKSHAM funded by ANRF, India, administered and mentored by IIT Indore.

Dr. Shashank Gupta
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Ph.D, SNBNCBS, University of Calcutta |
Ex-Research Lead, QNu Labs | Ex-postdoc, OIST, Japan



Research Area and Highlights: Shashank is an Assistant Professor at the Centre for Interdisciplinary Area of Quantum Computing and Department of Physics. He has an Integrated PhD in Theoretical Physics (2015-21) from S. N. Bose National Centre for Basic Sciences, Kolkata, India. He has worked on the foundations and applications of multipartite quantum resources during his PhD tenure. He then joined QNu Labs, an Indian start-up working in Quantum Cryptography, as a Senior Research Associate (2021-23) and as a Research Lead (2024-25). He and a dedicated team of engineers worked on breaking distance barriers in quantum key distribution, parallelly creating novel quantum-safe solutions for the post-quantum era. He also served as a post-doctoral researcher at the Applied Cryptography Unit at OIST, Japan, led by Prof. Carlos Cid. His research interests include but are not confined to quantum multi-party computation on quantum networks, quantum simulators for quantum communications, quantum cryptography, and post-quantum cryptography.

In this academic year, Dr. Gupta has conducted an industry focused event (What Quantum Industry Wants?) on the occasion of World Quantum Day (April 14, 2026).

School of Innovation

Prof. Kirti Trivedi

Visiting Distinguished Professor
Master of Design (M.Des) degree from the Royal College of Art, London.



Research Area and Highlights: The initiator and the founder of India's first Master of Design Programme in Visual Communication in 1981; Kirti Trivedi (born 1948, Gwalior, India) is a former Professor from the Industrial Design Centre, IIT Bombay. After a degree in Mechanical Engineering, he did postgraduate studies in Industrial Design from IIT Bombay, and the Royal College of Art, London. In 1981, he worked as a UNESCO Fellow in Japan, under the guidance of Prof. Kohei Sugiura, and was introduced by him to the intellectual depth and the richness of Asian Design. He has been engaged in research and documentation of the classical design traditions of India and Asia since 1984, with several publications on Indian Design Traditions. Besides teaching and design research, he is active as a design consultant in the areas of graphic design, book design, exhibition and museum design, environmental graphics, signage, and product design: with numerous publications and awards both nationally and internationally. His current research is in developing appropriate interaction design solutions for Indian needs based on emerging technology possibilities; and in understanding Asian Design. He is India's leading Museum and Exhibition Designer, with many important projects: The Permanent Exhibition of Mahatma Gandhi's Life and Philosophy 'My Life is My Message' at Sabramati Ashram, Ahmedabad; 'Vinoba Darshan' a permanent exhibition on the Life and Philosophy of Acharya Vinoba Bhave at Gopuri, Wardha; CSIR India Exhibition in Singapore; 'The Way of Asian Design' at NTU, Singapore; 'The Forms of Everyday Asia' at School of ADM, Singapore; and 'National Salt Satyagraha Memorial' at Dandi. Prof Trivedi has been collecting material and references on Raja Bhoja for over 30 years; and has a unique concept of how to present the contributions of this great Paramara King to the World.

Dr. Chetan Shastri

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PhD, RMIT University, Melbourne



Research Area and Highlights: Dr Chetan Shastri's creative practice-based research focuses on designing for the two significant life events (birth and death), for the time experienced (ecology and society) that we are inserted into.

Dr. Pallavi Rani
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PhD, IIT Guwahati



Research Area and Highlights: : Dr. Pallavi Rani's research investigates folk and rural art forms through the lens of ethnographic inquiry, emphasising the translation of cultural data into interactive and visually compelling data storytelling. She is passionate about transforming qualitative research into visually engaging and meaningful representations that bridge tradition with contemporary design practices. Her areas of interest include design research, data storytelling, illustration, and visual arts.



Dr. Kshetrimayum Dideshwor Singh
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PhD, Wuhan University of Technology, China

Research Area and Highlights: Dr. Kshetrimayum Dideshwor engages with Photo & Video Communication, Typography, Visual Communication, and Urban Systems through teaching, research, and creative practice. His research explores people-centred design, interactive sculpture, spatial narratives, visual storytelling, ceramic arts, functional public art, and bio-based materials such as Phumdi. Through hands-on experimentation and making, he works across diverse materials, including stainless steel, brass, bronze, bamboo, wood, plastics, fibres, and emerging 3D printing technologies. His interdisciplinary work investigates collective memory, cultural identity, and environmental design, fostering meaningful connections between art, culture, communities, and contemporary public spaces.















Convocation Report Preparation Team:

1. Prof. Pritee Sharma (Convenor)	3. Mr. Tanmay Vaishnav (Member)	5. Mr. Abhishek (Member)
2. Dr. Dishari Chattaraj (Member)	4. Dr. Ripan Ranjan Biswas (Member)	6. Mr. Shishir Kumar (Member)

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