# भारतीय प्रौद्योगिकी संस्थान इंदौर
# Indian Institute of Technology Indore

## 66th Meeting of the Senate

**Date : September 28, 2026** **Venue: Maitreyi Seminar Hall, IITI**
**Time : 15:00 hrs.**

**Attendance of members of the Senate**

| Chairman | | Members | Signature |
|---|---|---|---|
| Professor Suhas S. Joshi | | Director, IIT Indore | **Present** |
| **External Experts** | | | |
| 1 | Professor Himanshu Rai | Director, IIM Indore | **-LoA-** |
| **Deans** | | | |
| 2 | Professor Ankhi Roy | Dean, Academic Affairs | **Present** |
| 3 | Professor Srivathsan Vasudevan | Dean, Administration | **Present** |
| 4 | Professor Prabhat Kumar Upadhyay | Dean, International Relations | **Present** |
| 5 | Professor Pankaj R. Sagdeo | Dean of Infrastructure Development | **Online** |
| 6 | Professor Abhirup Datta | Dean, Research and Development | **Online** |
| 7 | Professor Amod C. Umarikar | Dean, Student Affairs | **Present** |
| 8 | Professor Suman Mukhopadhyay | Dean, Alumni and Corporate Relations | **Present** |
| 9 | Professor Abhishek Srivastava | Dean, Faculty Affairs | **Online** |
| 10 | Professor Devendra L. Deshmukh | Dean, Educational Outreach | **Online** |
| 11 | Professor Satya S. Bulusu | Dean, IT Infrastructure & Automation | **Present** |
| **Head of Departments** | | | |
| 12 | Dr. Gourab Sil | HOD, Civil Engineering | **Online** |
| 13 | Dr. Aniruddha Singh Kushwaha | Acting HOD, Computer Science and Engineering | **Present** |
| 14 | Dr. Swaminathan R. | HOD, Electrical Engineering | **Present** |

INDIAN INSTITUTE OF TECHNOLOGY INDORE

| | | | |
|---|---|---|---|
| 15 | Professor Anand Parey | HOD, Mechanical Engineering | **-LoA-** |
| 16 | Dr. Ajay Kumar Kushwaha | HOD, Metallurgical Engineering and Materials Science | **Online** |
| 17 | Dr. Saurabh Das | HOD, Astronomy, Astrophysics and Space Engineering | **Present** |
| 18 | Dr. Umesh A. Kshirsagar | HOD, Chemistry | **Present** |
| 19 | Dr. Vijay Kumar Sohani | Acting, HOD, Mathematics | **Present** |
| 20 | Professor Preeti A. Bhobe | HOD, Physics | **Online** |
| 21 | Dr. Eswara Prasad Kormilli | HOD, Chemical Engineering | **Present** |
| **Head of Schools** | | | |
| 22 | Professor Ruchi Sharma | HOD, Humanities and Social Sciences | **Online** |
| 23 | Professor Parimal Kar | HOD, Mehta Family School of BSBE | **Online** |
| 24 | Professor Pritee Sharma | HOD, Mehta Family School of Sustainability | **-LoA-** |
| **Professors** | | | |
| 25 | Professor Neelesh Kumar Jain | Mechanical Engineering | **-LoA-** |
| 26 | Professor Anand Parey | Mechanical Engineering | **-LoA-** |
| 27 | Professor Ram Bilas Pachori | Electrical Engineering | **-LoA-** |
| 28 | Professor Abhinav Kranti | Electrical Engineering | **-LoA-** |
| 29 | Professor Vimal Bhatia | Electrical Engineering | **-LoA-** |
| 30 | Professor Rajneesh Misra | Chemistry | **-LoA-** |
| 31 | Professor Suman Mukhopadhyay | Chemistry | **Present** |
| 32 | Professor Subhendu Rakshit | Physics | **-LoA-** |
| 33 | Professor Krushna R. Mavani | Physics | **Online** |
| 34 | Professor Sarika Jalan | Physics | **-LoA-** |
| 35 | Professor Sandeep Chaudhary | Civil Engineering | **-LoA-** |
| 36 | Professor Avinash Sonawane | Biosciences and Biomedical Engineering | **-LoA-** |

INDIAN INSTITUTE OF TECHNOLOGY INDORE

| | | | |
|---|---|---|---|
| 37 | Professor G. S. Murthy | Biosciences and Biomedical Engineering | -LoA- |
| 38 | Professor Santosh Kumar Vishvakarma | Electrical Engineering | -LoA- |
| 39 | Professor Shaibal Mukherjee | Electrical Engineering | -LoA- |
| 40 | Professor Vipul Singh | Electrical Engineering | -LoA- |
| 41 | Professor Prabhat Kumar Upadhyay | Electrical Engineering | Present |
| 42 | Professor Trapti Jain | Electrical Engineering | -LoA- |
| 43 | Professor Mukesh Kumar | Electrical Engineering | -LoA- |
| 44 | Professor Manish Kumar Goyal | Civil Engineering | Online |
| 45 | Professor Neelima Devarakonda Satyam | Civil Engineering | Online |
| 46 | Professor Palani Iyamperumal Anand | Mechanical Engineering | -LoA- |
| 47 | Professor Bhupesh Kumar Lad | Mechanical Engineering | Online |
| 48 | Professor Santosh Kumar Sahu | Mechanical Engineering | -LoA- |
| 49 | Professor Ritunesh Kumar | Mechanical Engineering | -LoA- |
| 50 | Professor Dhinakaran Shanmugam | Mechanical Engineering | Online |
| 51 | Professor Aruna Tiwari | Computer Science and Engineering | Present |
| 52 | Professor Abhishek Srivastava | Computer Science and Engineering | Online |
| 53 | Professor Kapil Ahuja | Computer Science and Engineering | -LoA- |
| 54 | Professor Abhirup Datta | Astronomy, Astrophysics and Space Engineering | Online |
| 55 | Professor Amit Kumar | Biosciences and Biomedical Engineering | -LoA- |
| 56 | Professor Prashant Kodgire | Biosciences and Biomedical Engineering | Present |
| 57 | Professor Sk. Safique Ahmad | Mathematics | -LoA- |
| 58 | Professor Apurba Kumar Das | Chemistry | Online |
| 59 | Professor Sampak Samanta | Chemistry | Present |
| 60 | Professor Sanjay Kumar Singh | Chemistry | Online |
| 61 | Professor Biswarup Pathak | Chemistry | Online |

INDIAN INSTITUTE OF TECHNOLOGY INDORE

| | | | |
|---|---|---|---|
| 62 | Professor Nirmala Menon | Humanities and Social Sciences | -LoA- |
| 63 | Professor Pritee Sharma | Humanities and Social Sciences | -LoA- |
| 64 | Professor Ruchi Sharma | Humanities and Social Sciences | Online |
| 65 | Professor Preeti Anand Bhobe | Physics | Online |
| 66 | Professor Rajesh Kumar | Physics | Present |
| 67 | Professor Sudeshna Chattopadhyay | Physics | -LoA- |
| 68 | Professor Parasharam M. Shirage | Metallurgical Engineering and Materials Science | -LoA- |
| 69 | Professor Swadesh K. Sahoo | Mathematics | Online |
| 70 | Professor Raghunath Sahoo | Physics | -LoA- |
| 71 | Professor Amod C. Umarikar | Electrical Engineering | Present |
| 72 | Professor Vivek Kanhangad | Electrical Engineering | -LoA- |
| 73 | Professor Srivathsan Vasudevan | Electrical Engineering | Present |
| 74 | Professor Devendra L. Deshmukh | Mechanical Engineering | Online |
| 75 | Professor Pankaj Ramesh Sagdeo | Physics | Online |
| 76 | Professor Ankhi Roy | Physics | Present |
| 77 | Professor Somaditya Sen | Physics | -LoA- |
| 78 | Professor Mobin Shaikh | Chemistry | -LoA- |
| 79 | Professor Tushar Kanti Mukherjee | Chemistry | Online |
| 80 | Professor Anjan Chakraborty | Chemistry | Present |
| 81 | Professor Satya Silendra Bulusu | Chemistry | Present |
| 82 | Professor Chelvam Venkatesh | Chemistry | Present |
| 83 | Professor Kiran Bala | Biosciences and Biomedical Engineering | -LoA- |
| 84 | Professor Mirza Saqib Baig | Biosciences and Biomedical Engineering | -LoA- |
| 85 | Professor Anirban Sengupta | Computer Science and Engineering | Online |

INDIAN INSTITUTE OF TECHNOLOGY INDORE

| | | | |
|---|---|---|---|
| 86 | Professor Neminath Hubballi | Computer Science and Engineering | -LoA- |
| 87 | Professor Rupesh Shivaji Devan | Metallurgical Engineering and Materials Science | Online |
| 88 | Professor Santosh Sattappa Hosmani | Metallurgical Engineering and Materials Science | -LoA- |
| 89 | Professor Antony Vijesh Villavarayan | Mathematics | -LoA- |
| 90 | Professor Niraj Kumar Shukla | Mathematics | Online |
| 91 | Professor Satyajit Chatterjee | Mechanical Engineering | Present |
| 92 | Professor Kazi Sabiruddin | Mechanical Engineering | -LoA- |
| 93 | Professor Pavan Kumar Kankar | Mechanical Engineering | -LoA- |
| 94 | Professor Sharad Gupta | Biosciences and Biomedical Engineering | -LoA- |
| 95 | Professor Surya Prakash | Computer Science and Engineering | -LoA- |
| 96 | Professor Somnath Dey | Computer Science and Engineering | Present |
| 97 | Professor Sanjram Premjit Khanganba | Centre for Interdisciplinary Studies | Online |
| 98 | Professor M. Tanveer | Mathematics | -LoA- |
| 99 | Professor Shailesh Kundalwal | Mechanical Engineering | -LoA- |
| 100 | Professor Debayan Sarkar | Chemistry | -LoA- |
| 101 | Professor Gourinath Banda | Computer Science and Engineering | Present |
| 102 | Professor Mohd. Aquil Khan | Mathematics | -LoA- |
| 103 | Professor Hem Chandra Jha | MFSBSBE | -LoA- |
| 104 | Dr. Parimal Kar | MFSBSBE | Online |
| 105 | Professor Abhijeet B. Joshi | MFSBSBE | Present |
| 106 | Professor Tridib Kumar Sarma | Chemistry | Present |
| 107 | Professor Amrendra Kumar Singh | Chemistry | Present |
| 108 | Professor C. Upendra | HSS | - LoA - |
| 109 | Professor Vinod Kumar | MEMS | Online |
| 110 | Professor Mrigendra Dubey | MEMS | Present |

INDIAN INSTITUTE OF TECHNOLOGY INDORE

| | | | |
|---|---|---|---|
| 111 | Professor Sunil Kumar | MEMS | **Present** |
| **Other Authorities** | | | |
| 112 | Dr. Saptarshi Ghosh | Chief Warden | **Online** |
| 113 | Professor Srivathsan Vasudevan Dean, Administration | Convener, Health Center Advisor Committee | **Present** |
| 114 | Dr. Anand Petare | Workshop Superintendent, Central Workshop | **Present** |
| **Student Representatives: For Non – Evaluation items** | | | |
| 115 | Mr. Moksha Tyagi | President, Students' Gymkhana | **Present** |
| 116 | Mr. Kavyansh Raj Singh | General Secretary (UG) | **Present** |
| 117 | Ms. Isha Sharma | General Secretary (PG) | **-LoA-** |
| **Secretary** | | | |
| 118 | Mr. S. P. Hota | Registrar, IIT Indore | **Present** |
| **Special Invitee** | | | |
| 119 | Dr. Selvakumar Sermadurai | Associate Dean, Academic Affairs (UG Programs) | **Present** |
| 120 | Dr. Pankaj Dey | Convener, Mehta Family School of Sustainability: (for agenda item no. 65.5) | **Present** |
| 121 | Dr. Abhinav Raghuvanshi | DUGC Convener, Chemistry: (for agenda item no. 65.6) | **Present** |
| 122 | Dr. Hitendra Kumar | DUGC Convener, MFBSBE: (for agenda item no. 65.7) | **Present** |
| 123 | Dr. Kumar Gaurav | Deputy Registrar, Academic Affairs | **Present** |
| 124 | Mr. Tapesh Parihar | Section Officer and PA to DoAA | **Present** |

INDIAN INSTITUTE OF TECHNOLOGY INDORE

**Minutes of the 66th Meeting of the Senate held on 28th September 2026**

**ITEM No. 66.1: Welcome and Opening remark by the Chairperson, Senate.**

The Chairman, Senate, welcomed all the members present at the meeting.

In his opening remarks, he welcomed following newly appointed Professors as members of the Senate.

- Professor Hem Chandra Jha
- Professor Parimal Kar
- Professor Abhijeet B. Joshi
- Professor Tridib Kumar Sarma
- Professor C. Upendra
- Professor Vinod Kumar
- Professor Mrigendra Dubey
- Professor Sunil Kumar
- Professor Amrendra Kumar Singh

**ITEM No. 66.2: Confirmation of the minutes of the 65th Meeting of the Senate held on 21st July 2026.**

The Senate confirmed the minutes of the 65th Meeting of the Senate held on 21st July 2026.

**ITEM No. 66.3: Action Taken Report (ATR) on minutes of the 65th Meeting of the Senate held on 21st July 2026.**

The Senate noted the Action Taken Report (ATR) on the minutes of the 65th Meeting of the Senate held on 21st July 2026.

**ITEM No. 66.4: Discussion on Credit Mapping of NPTEL/ SWAYAM Courses.**

The Senate thoroughly discussed the proposal regarding the credit mapping of NPTEL/SWAYAM courses and approved the proposal, with the following provision:

| Duration of course (in weeks) | Mapped credits at IIT Indore |
|---|---|
| ≥ 4 < 8 weeks | 1 Credit |
| ≥ 8 < 12 weeks | 2 Credits |
| ≥ 12 < 16 weeks | 3 Credits |
| ≥ 16 weeks | 4 Credits |
| In the same proportion, credits will be counted based on the number of weeks. | |

As per the Senate resolution no. 36.3, online courses through NPTEL / SWAYAM etc. are permitted a max of one course for PG/Ph.D. and two courses for UG students.

The Senate discussed and updated it to a maximum of 3 credits for PG/Ph.D. students and 6 credits for UG students, with any combination of credits.

INDIAN INSTITUTE OF TECHNOLOGY INDORE

**ITEM No. 66.5: Syllabi of Proposed New Courses.**

The Senate thoroughly discussed the syllabi of the proposed new courses submitted by the respective Departments and approved the following courses:

| S. No. | Course code Title of the Course | Contact Hours | Remarks |
|---|---|---|---|
| 1 | CS 4XX/ CS 6XX: Game Theory for Next-Generation Networks | 2-0-2-3 | • Approved |
| 2 | SS 4XX/ SS 6XX: Data-driven Modeling in Water and Climate Systems | 2-1-0-3 | • Approved |
| 3 | SS 1XX: Sustainable Development and Climate Change | 1-0-0-1 | • Approved |

**ITEM No. 66.6: Syllabi of the 2nd Year Courses of the B.S. Programme in Applied and Industrial Chemistry**

Head of Department of Chemistry presented the syllabus of the 2nd year courses of B.S. program in Applied and Industrial Chemistry. The DUGC convener informed the joint committee that the credit structure (L-T-P-C) of following courses needs modification.

As these changes were minor in nature and there was no impact on the total credits of the program, hence, approved the changes.

| Course Codes | Course Title | Weekly Contact Hours (L-T-P) | Credits | Semester |
|---|---|---|---|---|
| CH 2XX | Introductory Quantum Chemistry | ~~2-0-2~~ 2-1-0 (1/2 Semester) | 1.5 | Semester III |
| CH 2XX | Department Elective-I | ~~2-0-2~~ x-x-x | 3 | Semester III |
| CH 2XX | Chemical Kinetics | ~~2-0-2~~ 2-1-0 (1/2 Semester) | 1.5 | Semester IV |
| CH 2XX | Department Elective-II | ~~2-0-2~~ x-x-x | 3 | Semester IV |
| ZZ 2XX | Institute Elective-I | ~~2-0-2~~ x-x-x | 3 | Semester IV |
| CH 3XX | Stereochemistry & Electrocyclic Reactions | ~~2-0-2~~ 2-1-0 | 3 | Semester V |
| CH 3XX | Industrial Chemistry | ~~2-0-2~~ 2-1-0 | 3 | Semester V |
| CH 3XX | Department Elective-III | ~~2-0-2~~ x-x-x | 3 | Semester V |
| ZZ 3XX | Institute elective-II | ~~2-0-2~~ x-x-x | 3 | Semester V |
| CH 3XX | Medicinal Chemistry | ~~2-0-0~~ 2-1-0 | 3 | Semester VI |
| CH 3XX | Department Elective-IV | ~~2-0-2~~ x-x-x | 3 | Semester VI |
| ZZ 3XX | Institute Elective-III | ~~2-0-2~~ x-x-x | 3 | Semester VI |
| CH 3XX | Department Elective-V | ~~2-0-2~~ | 3 | Semester VIII |

INDIAN INSTITUTE OF TECHNOLOGY INDORE

| | | | | |
|---|---|---|---|---|
| | | x-x-x | | |
| ZZ XXX | Institute Elective-IV | ~~2-0-2~~<br>x-x-x | 3 | Semester VIII |
| ZZ XX | Institute Elective-V | ~~2-0-2~~<br>x-x-x | 3 | Semester VIII |

The Senate thoroughly discussed the syllabi of the 2nd Year Courses of the B.S. Programme in Applied and Industrial Chemistry and approved the syllabi and minor modification in credit structure with the following remarks:

**Semester III**

| Course Codes | Course Title | Weekly Contact Hours (L-T-P) | Credits | Remarks |
|---|---|---|---|---|
| ZZ XXX | Course-I Minor Program | 2-1-0 | 3 | - |
| MA 207 (B) | Differential Equation-II | 3-1-0<br>(1/2 Semester) | 2 | - |
| CH XXX | Probability and Statistics for Chemical Applications | 2-1-0<br>(1/2 Semester) | 1.5 | • Include representative experiments, real-world case studies, practical applications, and mini projects.<br>• Approved, subject to above changes. |
| CH XXX | Introductory Quantum Chemistry | ~~2-0-2~~<br>2-1-0<br>(1/2 Semester) | 1.5 | • First module "Dawn of quantum mechanics" should be renamed as "Introduction to Quantum Mechanics".<br>• Approved. |
| CH XXX | Chemical Thermodynamics | 2-1-0 | 3 | • Approved. |
| CH XXX | Introductory Organic Chemistry | 2-1-0 | 3 | • Approved. |
| CH XXX | Coordination Chemistry | 2-1-0 | 3 | • Approved. |
| CH XXX | Solid State and Materials Chemistry | 2-1-0 | 3 | • The course title "Solid State & Material Chemistry" should be revised to "Solid State and Materials Chemistry."<br>• Approved. |
| CH XXX | Chemical Synthesis Lab | 0-0-4 | 2 | • Mention full form of abbreviations at least once in the syllabus.<br>• Approved. |
| CH XXX | Department Elective-I | ~~2-0-2~~<br>x-x-x | 3 | • Approved. |
| | **Total** | | 22/25 | |

INDIAN INSTITUTE OF TECHNOLOGY INDORE

Elective courses:

| S. No. | Course code Title of the Course | Contact Hours | Remarks |
|---|---|---|---|
| 1 | CH 2XX: Principles of Optoelectronics | 2-1-0-1.5 (3/2 half sem.) | • Approved. |
| 2 | CH 2XX: Environmental Chemistry | 2-1-0-1.5 (3/2 half sem.) | • Approved. |
| 3 | CH 2XX: Chemistry of Inner Transition Metals | 2-1-0-1.5 (3/2 half sem.) | • Approved. |

**Semester IV**

| Course Codes | Course Title | Weekly Contact Hours (L-T-P) | Credits | Remarks |
|---|---|---|---|---|
| ZZ 2XX | Course-II Minor Program | 2-1-0 | 3 | - |
| MA 204N | Numerical Methods | 2-0-2 | 3 | - |
| CH XXX | Chemical Kinetics | ~~2-0-2~~ 2-1-0 (1/2 Semester) | 1.5 | • Book by Soustelle, M. (ISBN: 978-1848213029) should be removed from the list of reference books.<br>• Approved. |
| CH XXX | Main-group Chemistry | 2-1-0 (1/2 Semester) | 1.5 | • Approved |
| CH XXX | Biological Chemistry | 2-1-0 (1/2 Semester) | 1.5 | • Book by Klein, D. R. (ISBN: 978-1119659594) should be interchanged with book by Berg, J. M.; Tymoczko, J. L.; Stryer. L. L. (ISBN: 978-1429276351).<br>• Include a book on Biological Chemistry.<br>• Approved. |
| CH XXX | Analytical Chemistry | 2-1-0 | 3 | • Use latest version of the book by Cazes, J.<br>• Use full form of abbreviations at least once in the syllabus.<br>• Approved. |
| CH XXX | Reaction Mechanism and Retrosynthesis | 2-1-0 | 3 | • Approved |
| CH XXX | Analytical Chemistry Lab | 0-0-4 | 2 | • Approved |
| CH XXX | Department Elective-II | ~~2-0-2~~ x-x-x | 3 | - |
| ZZ 2XX | Institute Elective-I | ~~2-0-2~~ x-x-x | 3 | - |
| | **Total** | | 21.5/24.5 | |

INDIAN INSTITUTE OF TECHNOLOGY INDORE

Elective courses:

| S. No. | Course code Title of the Course | Contact Hours | Remarks |
|---|---|---|---|
| 1 | CH 2XX: Colloidal Chemistry | 2-1-0-1.5 (3/2 half sem.) | • In Module-3, "Characterization" is repetitive, update the same.<br>• Include latest editions of books.<br>• Approved. |
| 2 | CH 2XX: Molecular Self-assembly | 2-1-0-1.5 (3/2 half sem.) | • Use Supramolecular introduction in first module.<br>• Approved. |
| 3 | CH 2XX: Computer Programming for Chemical Applications | 1-0-4-1.5 (3/2 half sem.) | • Approved. |

**ITEM No. 66.7: Proposal for the Syllabi of 2nd Year Core and Elective Courses for the B.Tech. Programme in Biomedical Engineering and Data Science.**

The Senate thoroughly discussed the syllabi of the 2nd Year Core and Elective Courses for the B.Tech. Programme in Biomedical Engineering and Data Science and approved the same with the following remarks:

Semester III

| Course Code | Course Title | Contact Hours (L-T-P) | Credits | Remarks |
|---|---|---|---|---|
| ZZ xxx | Course-I for Minor Program | x-x-x | 3 | - |
| MA 207 | Differential Equation II | 3-1-0 (4/2 half sem.) | 2 | - |
| BSE 2xx | Human Anatomy and Physiology | 2-1-0 | 3 | • Approved |
| BSE 2xx | Biostatistics | 1-0-2 | 2 | • Approved |
| BSE 2xx | Medical Electronics | 2-0-2 | 3 | • Non-invasive term should be included.<br>• "Illustrative Experiment" should be replaced with "List Representative Experiment."<br>• Include mini projects.<br>• Include a book on Biomedical Electronics.<br>• Approved. |
| CS 203/ BSE 2xx | Data Structures and Algorithms | 2-1-0 | 3 | - |
| CS 207/ BSE 2xx | Database and Information Systems | 2-1-0 | 3 | - |
| CS 253/ BSE 2xx | Data Structures and Algorithms Lab | 0-0-3 | 1.5 | - |
| CS 257/ BSE 2xx | Database and Information Systems Lab | 0-0-3 | 1.5 | - |

INDIAN INSTITUTE OF TECHNOLOGY INDORE

| | | | | |
|---|---|---|---|---|
| BSE 2xx | **Department Elective I** | x-x-x | 3 | - |
| **Total** | | | 22/25 | |

**Elective course(s)** - (DE-I):

| Course Code | Course Title | Contact Hours (L-T-P) | Credits | Remarks |
|---|---|---|---|---|
| BSE 2xx | Bioanalytical Methods | 2-1-0 | 3 | • The **Course Outcomes** should be reframed to ensure clarity, specificity, and alignment with the course content and learning objectives.<br>• The section on **Spectroscopic Techniques** should also be reviewed and reframed appropriately.<br>• Approved |

**Semester IV**

| Course Code | Course Title | Contact Hours (L-T-P) | Credits | Remarks |
|---|---|---|---|---|
| ZZ xxx | Course-II for Minor Program | x-x-x | 3 | - |
| MA 204N | Numerical Methods | 2-0-2 | 3 | - |
| BSE 2xx | Molecular and Cellular Biochemistry | 2-1-0 | 3 | • Approved. |
| BSE 2xx | Biomedical Data Science | 2-0-2 | 3 | • The sequence of the modules should be revised such that "Introduction to Biomedical Data Science" is placed as the Module-I, while "Programming Fundamentals for Data Science" is placed as the Module-II.<br>• Approved. |
| CS 204/ BSE 2xx | Design and Analysis of Algorithms | 2-1-0 | 3 | - |
| BSE 2xx | Molecular and Cellular Biochemistry Lab | 0-0-3 | 1.5 | • Approved. |
| CS 254/ BSE 2xx | Design and Analysis of Algorithms Lab | 0-0-3 | 1.5 | - |
| BSE 2xx | **Department Elective II** | **x-x-x** | **3** | - |
| ZZ xxx | **Institute Elective-I** | **x-x-x** | **3** | - |
| **Total** | | | **21/24** | |

**Elective Courses** (DE-II):

| Course Code | Course Title | Weekly Contact Hours (L-T-P) | Credits | Remarks |
|---|---|---|---|---|
| BSE 2xx | Concepts of Neuroscience | 2-1-0 (1/2 Semester) | 1.5 | • Approved |

INDIAN INSTITUTE OF TECHNOLOGY INDORE

| | | | | |
|---|---|---|---|---|
| BSE 2xx | Omics Technologies | 2-1-0 (1/2 Semester) | 1.5 | • The book title of 3rd textbook should be verified and corrected as per the actual/official title of the book.<br>• Approved |
| BSE 2xx | Measurement and Control Theory | 2-1-0 | 3 | • Use full form of abbreviations at least once in the syllabus.<br>• **Application-oriented mini-projects** should be incorporated into the course. Application part of course should be explored rather to be theoretical only.<br>• Re-arrange module 4 and 5.<br>• Approved subject to incorporation of above changes. |
| BSE 2xx | Optimization in Biomedical Engineering | 2-0-2 | 3 | • Approved |

**ITEM No. 66.8: Reporting Items**

**Item No. 66.8.1: Approval for the Admission of Two Additional International Students to the M.Tech. Programme in the Department of Computer Science and Engineering.**

**Item No. 66.8.2: Approval for Opening Ph.D. Admissions for All Non-TA Categories in Each Quarter of the Calendar Year.**

The Senate ratified the above reporting items.

**ITEM No. 66.9: Any other agenda with the permission of the Chairman.**

**NIL**

The meeting ended with a vote of thanks to the Chairperson and all the members.

**(S. P. Hota)**
**Registrar and Secretary, Senate**

**(Professor Suhas S. Joshi)**
**Director and Chairperson, Senate**

INDIAN INSTITUTE OF TECHNOLOGY INDORE