AICTE TRAINING AND LEARNING (ATAL) ACADEMY

Sponsored by
All India Council for Technical Education, New Delhi
5 Days Faculty Development Program on

Internet-Of-Things (IoT)

Date: January 17th – January 21st, 2022

Organized by
Department of Computer Science & Engineering, Institute of Engineering & Management, Kolkata- 700091

About The Institution

The IEM group is an acclaimed educational group amongst the industry-centered academic training organizations of today. IEM has set sublime standards in addressing the technical and managerial resource shortage in the new era of dynamic globalization. The IEM group has risen to fame for its strong foundation in teaching and R&D in multifaceted areas. It aims to serve the future generation as well as the Nation through its commitment towards self-sufficiency and unmatchable excellence. The IEM Group has opened up the doors for young minds who dare to dream. It encourages the spirit of free enquiry and imagination. In this temple of learning, dreams take shape. The educational group attempts to inculcate the sense of human values and discipline in students to make them respectable human beings. It encourages learners to learn to realize their potential and imbibe the best practices.

About The Department

Computer Science and Engineering department is one of the oldest departments in Institute of Engineering and Management. The college attracts very bright students because of the department reputation as well as the excellent placement records. Beyond their excellence in academics, the students show their talents in quizzes, debates, games and many other activities. The students are placed in top companies, top universities across the globe. The department consists of a highly energetic and talented group of faculties. The faculty cadre brings the right mix of academics and industry experience. Between them, the faculties have more than 400+ international publications. They actively take part in organizing various conferences, workshops, seminars etc.

CHAIR

Dr. Satyajit Chakrabarti
Institute of Engineering & Management, Kolkata

ATAL ACADEMY

AICTE Training and Learning (ATAL) Academy is established with the vision to empower faculty to achieve goals of higher education such as access, equity & quality. AICTE is committed for development of quality technical education in the country by initiating various schemes launched by Government of India, Ministry of Human Resources Development. It understands the need of the training required for youth of Indian nationals in required skills and demand for skilled faculty members in various disciplines. Training is required for increasing the knowledge and skill set of faculties and students to make them more employable to acquire global competencies.

ABOUT THE FDP

The 5-day long Faculty Development Program on IoT is devoted to enhance scientific understanding of the interconnection of wired and wireless things, and the mechanism of pseudo-intelligent collaborative behaviour among them. It is an event for researchers and faculty members to explore cutting-edge ideas and to exchange techniques, tools and experiences. It will comprise of a 5-day program, designed with a cluster of scientific and technological sessions and several collaborated hands-on sessions.

COORDINATOR

Dr. Nilanjana Dutta Roy
Institute of Engineering & Management, Kolkata

ORGANISING COMMITTEE

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SPEAKERS

Prof. Rajkumar Buyya University of Melbourne

Prof. Soumya Kanti Ghosh, IIT, KharagpurNottingham

Dr. Mohuya Chakraborty, Dean-Faculty Affairs, IEM, Kolkata

Dr.Sudeep Tanwar, Nirma University, Gujrat

Dr. Pronaya Bhattacharya, Nirma University, Gujrat

Sister Padma Brahma Kumaris, Bangur, Kolkata

Dr. Debashis De, Professor & Director of School of Computational Science of MAKAUT, WB

Dr. Ayan Mondal, IIT- Indore

Dr. Md. Iftekhar Hussain, NEHU, Shillong

WhatsApp Group Link:
https://chat.whatsapp.com/IHTno4wpbBjGQ48bteEo1Y

Internet-Of-Things (IoT)

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Program Schedule
Program Inauguration Link (via ZOOM Client): https://zoom.us/j/97484609231?pwd=R2tBdlBrMGh0UEdKY21wQk1ZSURGQT09
Meeting ID: 974 8460 9231 Passcode: 780592

*Inauguration program, only on January 17th, 2022, from 09:00 AM – 09:30 AM

Date	09:30 AM – 11:00 AM	11:30 AM – 01:00 PM	02:00 PM – 03:30 PM
Jan 17, 2022	**Session 1** **Speaker:** Prof. Rajkumar Buyya University of Melbourne **Topic:** IoT	**Session 2** **Speaker:** Prof. Soumya Kanti Ghosh, IIT, Kharagpur **Topic:** Edge Computing	**Session 3** **Speaker:** Dr. Mohuya Chakraborty, Dean-Faculty Affairs, IEM, Kolkata **Topic:** IoT Wearable Security and Privacy
Jan 18, 2022	**Session 4** **Speaker:** Dr.Sudeep Tanwar, Nirma University, Gujarat **Topic:** Blockchain based IoT	**Session 5** **Speaker:** Dr. Pronaya Bhattacharya, Nirma University, Gujrat **Topic:** Internet of Vehicular Things	**Session 6** **Speaker:** Sister Padma Brahma Kumari **Topic:** -
Jan 19, 2022	**Session 7** **Speaker:** Dr. Debashis De, Professor, Department of Computer Science and Engineering & Director of School of Computational Science of MAKAUT, WB **Topic:** Internet of Drone Things - IoDT	**Session 8** **Speaker:** Dr. Debashis De, Professor, Department of Computer Science and Engineering & Director of School of Computational Science of MAKAUT, WB **Topic:** Internet of Agricultural Things - IoAT	**Session 9** **Speaker:** Dr. Mohuya Chakraborty, Dean-Faculty Affairs, IEM, Kolkata **Topic:** Blockchain in Business Applications
Jan 20, 2022	**Session 10** **Speaker:** Dr. Debashis De, Professor, Department of Computer Science and Engineering & Director of School of Computational Science of MAKAUT, WB **Topic:** Internet of Energy Things - IoET	**Session 11** **Speaker:** Prof. Soumya Kanti Ghosh, IIT, Kharagpur **Topic:** Geospatial IoT	**Session 12** **Speaker:** Dr. Ayan Mondal, IIT- Indore **Topic:** Sensors-as-a-Service in IoT Networks
Jan 21, 2022	**Session 13** **Speaker:** Dr. Md. Iftekhar Hussain, NEHU, Shillong **Topic:** Software Defined Network	**Session 14** **Speaker:** Dr. Sudeep Tanwar, Nirma University, Gujarat **Topic:** Blockchain based IoT	**Exam** **(02.30 PM – 03.30 PM)** followed by **Valedictory session** **(03.30 PM – 04:00 PM)**

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