

CONVENERS

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JSS Science and Technology University, Mysuru

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PRINCIPAL INVESTIGATOR

Prof. GAURAV TRIVEDI

Professor, Dept. of Electronics and Electrical Engineering, IIT
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PI of E&ICT, IIT Guwahati

VENUE

IS Seminar Hall, Golden Jubilee Bhavan,
JSS Science and Technology University,
JSS TI Campus,
Mysore 570 006, Karnataka



About E&ICT Academy

Electronics and ICT Academy is an initiative of the Ministry of Electronics and Information Technology (MeitY), Govt. of India for conducting various Faculty / Research Scholar Development Programme. Academy has planned short term training programmes on fundamental and advanced topics in IT, Electronics & Communication, Product Design, Manufacturing with hands-on training and project work using the latest software tools and systems. In addition, the Academy will conduct specialized / customized training programmes and research promotion workshops for corporate sector & educational institutions.

Who Can Attend?

The programme is open to Faculty Members and PhD Research Scholars from universities and colleges. Faculty members are requested to submit an NOC from their respective institute before attending the session.

For details of the programme and course contents please log in to Electronics and ICT Academy website: <https://eict.iitg.ac.in>



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**One Week Faculty Development Programme on
Artificial Intelligence, Machine Learning and
Deep Learning: Concepts and Applications in
Education, Healthcare, Robotics and
Engineering**

24th to 28th August, 2026



Organized by

E&ICT Academy, IIT Guwahati

in association with

**JSS Science and Technology University,
Mysuru**





JSS Science and Technology University

Jagadguru Sri Veerasimhasana Mahasamsthana Math, popularly known as Sri Suttur Math, was established over 1000 years ago and has since evolved into a significant spiritual and social movement. With its rich legacy, Sri Suttur Math has dedicated itself to a higher purpose, promoting social and economic justice rooted in its spiritual values and ideals. The JSS Mahavidyapeetha (JSSMVP), its educational wing, emerged as a transformative force aimed at enhancing the quality of life through human development. JSSMVP manages over 360 institutions, educating more than 100,000 students. JSS Science and Technology University (JSS STU), Mysuru, established in 2016, builds upon the rich legacy of Sri Jayachamarajendra College of Engineering (SJCE), which boasts over six decades of excellence. JSS STU is dedicated to providing high-quality education in Science, Technology, Engineering and Management, with a strong emphasis on research, innovation and societal transformation. Accredited by NAAC, the university offers diverse opportunities for aspiring youth to meet global demands while fostering a culture of innovation and excellence, shaping the future of education, and contributing to societal progress.

Department of Information Science and Engineering

The Department of Information Science and Engineering was established in the year 2000. The department offers two UG programmes. B.E in Information Science and Engineering started in the year 2000, B.E in Computer Science and Business Systems started in the year 2019. Three PG programs M.Tech in Software Engineering started in the year 1995, M.Tech in Data Sciences started in the year 2017 and M.Sc. in Computer Science (Data Science) started in the year 2023. The students of the department have a good placement record of more than 90%. The department has highly qualified faculty members who have rich experience in the area of ML, DL, AI, Pattern Recognition, NLP, Medical Image Analysis, Computational Linguistics, Medical Informatics, Computer Networks, IoT, and Speech Signal Processing. Department has international collaboration with various reputed international universities and industries.

Course Objectives

- ❖ To introduce the fundamental concepts and principles of Artificial Intelligence.
- ❖ To understand core AI methods such as machine learning, deep learning, and knowledge representation.
- ❖ To explore the role of AI in enhancing teaching–learning processes and academic research.
- ❖ To examine applications of Artificial Intelligence in the design and development of smart systems across diverse domains..

Course Outcomes

- ❖ After successful completion of this course, participants will be able to:
- ❖ Explain the fundamental concepts, principles, and terminology of Artificial Intelligence.
- ❖ Understand and apply core AI methods, including machine learning, deep learning, and knowledge representation techniques.
- ❖ Utilize AI tools and approaches to enhance teaching–learning processes and support academic research activities.
- ❖ Analyze and evaluate the role of Artificial Intelligence in the design and development of smart systems across diverse application domains.

Hands-on Sessions

- ❖ Setting up the Python AI environment (Jupyter Notebook/Google Colab)
- ❖ Data preprocessing using Pandas and NumPy
- ❖ Data visualization with Matplotlib
- ❖ Building classification and regression models using Scikit-learn
- ❖ Implementing clustering algorithms
- ❖ Developing a simple neural network using TensorFlow/Keras
- ❖ Image classification using a CNN model
- ❖ AI application case study in education or healthcare
- ❖ Mini project: Build and evaluate an AI-based solution using a real-world dataset
- ❖ Model performance analysis and result interpretation

Pre-Requisite

- ❖ Fundamental understanding of mathematics relevant to AI, including linear algebra, probability, and basic statistics.
- ❖ Familiarity with data handling, algorithms, and logical problem-solving approaches.
- ❖ General awareness of computer systems and an interest in learning about intelligent and smart systems applications.

Please Note:

- ❖ Registration fees includes E&ICT Academy kit bag, stationaries, 5-days lunch and high tea, evaluation participation certificate and grade certificate.
- ❖ Participants have to submit UTR No. as the proof of payment while registering for the Faculty Development Programme.
- ❖ Registration Fees is refundable if the registration cancellation request is submitted before the last date of registration.

Course Date:

24th to 28th August, 2026

Per Day Timing:

09:30 AM to 05:30 PM

Contact Hours for the Course:

40Hrs (Theory, Activities, Case Studies & Evaluation)

Mode of Delivery

Offline at JSS Science and Technology University, Mysuru

Registration Fees: Rs. 1180/- (Inclusive of GST)

Mode of payment: Online only (NEFT/RTGS/IMPS)

For Online Transfer

Bank Name: State Bank of India

Account Name: IIT Guwahati R and D E and ICT Academy

Account No.: 36071160089 | IFSC Code: SBIN0014262

Last Date of Registration:

20/08/2026 (Online Registration Link will be open from: 21/07/2026)

Registration Link: <https://forms.gle/kRAeQgHMDdE5ZeJX7>