

ROBOTICS & IR 4.0

5 DAYS FACULTY
DEVELOPMENT PROGRAMME
(ONLINE)

7TH-11TH SEPTEMBER 2020

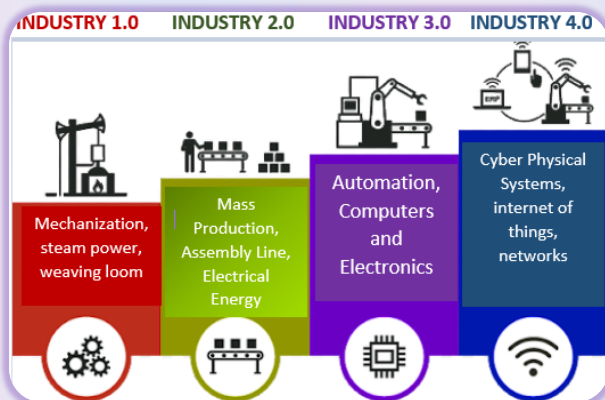


To participate, please register at

<https://atalacademy.aicte-india.org/signup>

Online session details will be communicated to selected participants through registered email.

The certificates shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test



Last Date for Registration- 05/09/2020

Date of Intimation of Selection - 06/09/2020

Chief Patrons:

Jagadguru Shankaracharya Sri Sri Bharati Tirtha
Maha sannidhanam
Jagadguru Shankaracharya Sri Sri Vidhushekhara
Bharati Sannidhanam
Padmasree Dr. V. R. Gowrisankar,
(Administrator & CEO, Sringeri Mutt)

Patrons:

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Dr. Jacob George C, (Senior Associate Director)
Dr. Suresh Kumar V, (Principal)

Convenor:

Dr. Ragesh G K, (HOD, Dept. of ECE)

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AICTE Training and Learning (ATAL) Academy



Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY

5 DAYS FACULTY
DEVELOPMENT
PROGRAMME (ONLINE)
ON

ROBOTICS & IR 4.0

On

7TH- 11TH SEPTEMBER 2020

Organized by
**Department of Electronics
and Communication
Engineering**



Adi Shankara Institute of Engineering & Technology
Vidya Bharathi Nagar , Kalady, Ernakulam, Kerala
PIN: 683574

Phone: Tel: 0484-2463825, 2466066

www.adishankara.ac.in/

About the Institute

Ideally located in an idyllic ambiance, Adi Shankara Institute of Engineering & Technology (ASIET) kindles vibrant memories of the serene presence of Jagadguru Adi Shankara. Affiliated to A P J Abdul Kalam Technological University, accredited by NBA and approved by AICTE, ASIET is the first self-financing technical education center to be awarded the ISO 9001: 2008 certification. Located just 5 km from Cochin international airport, ASIET has a dynamic academic atmosphere in an idyllic environment. Fifteen batches of B.Tech students have passed out from the college to date and they occupy responsible positions in prestigious organizations in India and abroad. Established in 2001 and adeptly run by the Sringeri Mutt with the benign blessings of Sree Sree Bharathitheertha Mahaswamigal, the College believes in keeping a proactive approach for the overall development of the students.

Adi Shankara Institute of Engineering & Technology was established at Kalady with the aim of providing value-added technical education with a flair of professional excellence and ethical values. The college is run by ADI SANKARA TRUST, a registered trust which has carved a niche in the educational sector by running Sree Sankara College, Sree Sarada School, Adi Sankara Training College, Sree Sarada Special School, DDU Kaushal Kendra all at Kalady

Highlights of ECE Department

- One of the oldest departments of the institute, established in 2001.
- Offers B. Tech. in Electronics and Communication Engineering, M. Tech. VLSI and Embedded Systems, M. Tech. in Communication Engineering and Ph.D. program in electronics and allied areas.

- NBA accredited UG Program.
- Sponsored/Consultancy Projects of Rs. 57 lakhs during 2019-20.
- Collaborative research with Institutes of national and International repute.
- Tie-ups with top-notch industries of electronics background.
- Texas Instruments, India supported Internet of Things (IoT) lab.
- 8 Patents Published during 2019-20.
- More than 100 NPTEL certifications for the academic year 2018-2019

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 and quality". AICTE is committed for development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development. Council understand that there is a need of the day to train the young generation in skill sector and having faculty & technicians to be trained in their respective disciplines. Training is required for increasing the knowledge and skills of faculties and students to make them more employable to acquire global competencies.

Instructions to Participants

- No participant fees will be collected.
- Faculty members of the AICTE approved institutions, Research scholar, PG scholars, participants from Government Industries(Bureaucrats/ Technicians/ Participants from industries etc.)and staff of host institution
- Session time will be from 10.00 AM to 4.00 PM.
- The registration will be done on a first come first serve basis.
- Maximum number of participants are restricted to 200.

Department of Electronics and Communication Engineering

About the Course:

Robotics is the art of making robots, machines that combine concepts from multiple engineering discipline. The FDP is designed to help faculty to develop their knowledge and skills, and provide real time industry exposure dedicatedly deliver by trainers having rich industry experience in the field of industrial automation, robotics and related technologies.

Course Content:

- Introduction to Robotics
- Robot Kinematics & Simulation hands on.
- Learn Robotics using ROS and Gazebo Hands-on.
- Control of Robots.
- Robotics (RPA) and 3D Printing Hands on
- Introduction to IIoT
- Rapid Prototyping IIoT
- IIoT Design From scratch using CC3200 Texas Instruments hands on.
- Application design using CC3200 Simple Link WiFi.
- Pushing data to Cloud.
- Data analytics for IIoT.

