

RESOURCE PERSON

Eminent faculties from IITs, NITs,
Premier institutes and industry experts.

ABOUT AICTE, NEW DELHI



All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level apex advisory body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner and to ensure the same, as stipulated in the National Policy of Education (1986). AICTE was vested with statutory authority for planning, formulation, and maintenance of norms & standards, quality assurance through accreditation, funding in priority areas, monitoring, and evaluation, maintaining parity of certification & awards, the management of technical education in the country.

ABOUT ISTE, NEW DELHI



The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. The major objective of the ISTE is to provide quality training programmes to teachers and administrators of technical institutions to update their knowledge and skills in their fields of activity.

ABOUT INSTITUTE

An institute under Shanti Education Society is started with revolutionary ideas and ample innovativeness to provide a world class education in the field of Engineering and Technology at Solapur region in the year 2008. Institute is approved by AICTE, New Delhi, Government of Maharashtra and affiliated to DBATU Lonere, Raigad.

The Campus is sprawling over 15 acres located near SRP Camp and is within the city limits of Solapur with beautiful landscapes, state of art infrastructure well equipped Laboratories, seminar Halls, Library, Computer Center, Hostel, Indoor/ outdoor Sports, facilities & all basic amenities. Institute is providing peaceful ambience to students as well as excellent faculty for better teaching & learning in engineering perspective.

VISION : "International Standing in Technical Education and Research, contributing towards Improvement and Empowerment of Society, Country and in turn, Mankind."

MISSION : To develop technically sound and globally accepted professionals.

To enhance capability of updating with cutting edge technologies and innovative research ideas.

To make aware of social commitments and highest ethical values as inner strength for upliftment of mankind.

To needcraft career oriented courses and interactive teaching-learning process.

ABOUT DEPARTMENT

The Electronics and Telecommunication Engineering Department of A. G. Patil Institute of Technology was established in the year 2008 with an intake of 60 students. It has highly qualified, dedicated, well experienced & self-motivated faculty members and who continuously up-grades their knowledge.

Being involved in various technical and professional society activities like IEEE, ISTE and IETE, gives the faculty members an edge in organizing activities throughout the year, which gives the students excellent exposure to emerging trends in the Industry. The department has strong Industry-Institute Interaction Cell, which helps in bridging the gap between academics and industry needs.

The student association named SETCOM (Students of Electronics and Telecommunication Engineering) takes utmost care in familiarizing and equipping students to be prepared for their professional life by organizing various activities such as group discussion, guest lectures, aptitude test, mock interviews, etc. It also provides ample opportunities to students to work on mini-projects, develop communication skills, explore internship opportunities in industry and take part in national and international design contests. Students graduated from this department have been well placed in reputed national and multinational companies.

ONE WEEK INDUCTION / REFRESHER PROGRAM ON "INTERNET OF THINGS (IoT)"

Phase II : 07/04/2021 to 13/04/2021

Sponsored by



All India Council for Technical Education
(AICTE), New Delhi

Indian Society for Technical Education
(ISTE), New Delhi

Organized By



A. G. PATIL INSTITUTE OF
TECHNOLOGY, SOLAPUR
(NAAC ACCREDITED)

18 (2/2A) / 2, Pratap Nagar, Opp. S.R.P. Camp,
Vijapur Road, Solapur - 413 008, Maharashtra (India)
Tel.: 0217 - 2342499

E-mail : contact@agpit.edu.in • Website : www.agpit.edu.in



ABOUT THE PROGRAM

Internet of Things is the inter-networking of physical devices, vehicles, buildings, and other items, embedded with electronics, software, sensors, actuators, and network connectivity that enable these objects to collect and exchange data. By learning the inter-connection and data exchange, Students can create their own IoT Networks with connected devices and can access it from any ware in the world.

Today, everyone has focus on Internet of Things (IoT), Machine Learning (ML), Artificial Intelligence (AI) and Data management. Statistics has shown a huge data will be grown and most of devices to be connected on Internet by 2025. The solution is integration of three technologies, namely IoT, ML, and AI.

ML Algorithms eliminates optimization and estimation of process, and allow to learn the patterns by itself and take autonomous decisions without new set of the rules and regulation. AI eliminates human intervention wherever necessary and possible. IoT collects various parameters from sensors/devices and connect over Internet using various upcoming wireless technologies. In this FDP, various architectures, techniques and algorithms of IoT, ML and AI are to be incorporated for advanced knowledge for various technocrats for future applications.

PROGRAM OBJECTIVES

- To get acquired with the principles of IoT and IoT standards.
- To correlate IoT with the thrust areas of Machine Learning (ML) and Artificial Intelligence (AI).
- To explore various research opportunities and challenges in the field of IoT, ML, and AI and its applications.
- To build IoT based applications in various domains.

PROGRAM OUTCOMES

The participants will be able to :

- Understand the key concepts in IoT, ML, and AI.

- Design the applications in fields of IoT.

- Develop any future IoT based projects.



PROGRAM CONTENT

- Introduction to IoTs and its applications
- IoT with Fog & Cloud
- Overview of Machine Learning for IoT Connected Devices
- Application of Machine Learning to fight Covid-19 Pandemic
- Introduction to Artificial Intelligence
- IoT and AI Applications in Agriculture System & Research directions in health care systems
- IoT Intelligent Systems for smart city segment
- Home Automation using Google Assistant
- Demonstration & Hands-on sessions on IoT Project & Applications

REGISTRATION

Registration is limited to 100 participants on First-Come First-Serve basis. Preference will be given to ISTE life members.

Registration Link

<https://forms.gle/fySdGQ3d2vstot8yS9>

OR Scan the QR code to register



Last Date of Registration : 3rd April, 2021

WHO CAN APPLY ?

- Industry Persons and Teaching Faculty from Diploma & Degree Engg. Institutes across India Approved by AICTE, New Delhi.
- Preference will be given to life members of ISTE.

REGISTRATION FEE

There is no registration fee.

IMPORTANT NOTE

- An online test shall be conducted at the end of the program.
- The certificates shall be issued to only those participants who attend the program with minimum 80% attendance and score minimum 60% marks in the test.

CHIEF PATRONS

Prof. Anil D. Sahasrabudhe
Chairman, AICTE New Delhi

Prof. M.P. Poonia
Vice Chairman, AICTE New Delhi

Col. B. Venkat
Director, FDC, AICTE, New Delhi

Dr. Pratapsinh K. Desai
President, ISTE, New Delhi

Prof. Vijay D. Vaidya
Executive Secretary, ISTE, New Delhi

PATRONS

Shri. A. G. Patil
President, Shanti Education Society, Solapur.

Shri. S. A. Patil
Secretary, Shanti Education Society, Solapur.

Dr. M. A. Chougule
Campus Director,
A. G. Patil Institutes, Solapur

Dr. S. A. Patil
Principal,
A. G. Patil Institute of Technology, Solapur

Dr. V. V. Poldar
Vice Principal,
A. G. Patil Institute of Technology, Solapur

ORGANISING COMMITTEE

Prof. S. V. Kulkarni
HOD, Computer Engineering Dept. & CoOrdinator

Dr. R. V. Darekar
HOD, Electronics & Telecommunication Dept. & Co-CoOrdinator

Dr. P. V. Vedula
Co-CoOrdinator

FOR MORE DETAILS CONTACT

Dr. P. V. Vedula
ISTE Co-Ordinator

• Cell : 9511847402 • E-mail : vedulapadma72@agpit.edu.in