

RESOURCE PERSON

Speakers from IITs, NITs, Industries
and Premier Institutes

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 needlecraft career oriented courses and interactive teaching-learning process.

ABOUT DEPARTMENT

The department of Computer Engineering is committed to produce top class software and hardware professionals through academic excellence and quality education. The department has developed excellent laboratories, equipped with all recent software and hardware. To support extensive academics and other activities of the Department an Association of Computer Engineering Students (ACES) had been formed:-

To conduct useful courses and technical seminars as per the present demand of industries.

To organize various activities like Programming Contest, Technical Quiz, Debate Competition, Personality Contest etc. These not only enhances the technical abilities and knowledge of the students but also develop the students overall personality.

To organize events like Project Competition, Paper Presentation etc. To help the students stay ahead of competition specialized courses are planned on hardware and software

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

Phase I : 02/03/2021 to 07/03/2021

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)

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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 anywhere in the world.

This course will provide the participants knowledge and experience on the fast growing field of IoT. Cyber Security touches nearly every part of our daily lives. We rely on vast array of networks to communicate, power our homes, run our economy, and provide government services. However Cyber intrusions and attacks have increased dramatically over the last decade, exposing sensitive personal and business information, disrupting critical operations, and imposing high costs on the economy.

The nation has a significant shortage of Cyber Security professionals who can understand and effectively thwart the growing threats. As a result, education and training in Cyber Security and Internet of Things has become a priority.

The central role that IoT plays in the technology world and the growth of IoT devices is an undeniable fact.

IoT is bringing the network to our daily lives – our cars, utilities, homes etc, and extending its reach to cities, industries and more.

With such influence, IoT security is definitely a key concern for the entire industry of IoT stakeholders, spanning developers, service providers, customers, and end-users.

This course outlines the state-of-the-art prevailing practices for IoT Security and explains how this topic is evolving.



COURSE OBJECTIVES

- Understand the security threat landscape and how to take preventive measures
- Understand the top ten security issues revolving around IoT

COURSE OUTCOMES

At the end of the course, participants will :

- Learn about the Secure Development Lifecycle (SDL) of IoT products
- Gain knowledge on the security consideration regarding verticals of connected devices
- Learn from real-life examples and case studies in IoT Security.

COURSE CONTENT

- Internet of things and Security overview.
- Working with Sensors and modules.
- Interfacing Sensors with Arduino and Raspberry development boards.
- Applications use case and live demonstration of Security appliance in IoT.
- Interfacing IoT devices with cloud and secure Application development.

REGISTRATION

Seats are limited for registration on first come first serve basis.

Link for registration : Course link

<https://forms.gle/qoFKQDUSeo3VmM5w5>

Link to join IOT Whatsapp Group

<https://chat.whatsapp.com/CH5PB7tJ6RI4xSWzRjBYef>

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

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