

Sant Longowal Institute of Engineering & Technology,

Longowal -148106, Dist. Sangrur (Pb.)

Deemed to be University under MHRD, Govt. of India



AICTE Training And Learning (ATAL) Academy Programmes

Workshop on IOT (WIOT-2019)

(October 14-18, 2019)

Organized by
Department of Computer Science and Engineering

Sponsored by

AICTE, New Delhi

Course Coordinator
Dr. Manoj Kumar Sachan, HOD (CSE)

Co-coordinators
Dr. Major Singh Goraya, Associate Professor
Dr. Damanpreet Singh, Associate Professor

Introduction:

The Internet of Things (IOT) is formally defined as the network of physical objects or people called "things" that are embedded with software, electronics, network, and sensors which allows these objects to collect and exchange data.

Multiple technologies such as AI, machine learning, real time analytics, sensors, and embedded systems are converged in IOT. In the consumer market, IOT technology is highly synonymous with products pertaining to the concept of the smart home, smart devices and appliances such as lighting fixtures, thermostats, home security systems, supporting cameras, and other home appliances, smart phones and smart speakers.

IOT is an ever-emerging field and is witnessing new developments every other day. People from academia, R&D and industry are always curious and in need to be abreast with the latest innovations in the domain of IOT and related technologies. The objective of workshop is to create awareness and provide research directions in the recent and innovative fields of IOT related state of the art technologies.

Course Contents:

The programme is focused on discussing various aspects of IOT. Following topics but not limited to will be covered in the workshop.

- ❖ Introduction to the underlying technologies in IOT
- ❖ IOT and its Infrastructure

- ❖ Mobility Models for IOT devices
- ❖ Security Infrastructure in IOT
- ❖ IOT Communication
- ❖ Real Time Implementation and Applications of IOT
- ❖ Hands on IOT etc.

Course Objectives:

- ❖ To update the participants with the state of the art technologies in IOT.
- ❖ To enable the participants to have experimental learning in IOT.
- ❖ To enable participants to learn the industrial, real life applications of IOT.
- ❖ To facilitate the participants to develop low-cost IOT models for different problem areas.
- ❖ To make participant understandable to the existing and new IOT Models in different problem areas.
- ❖ To impart the knowledge and skills related to IOT technologies, selection of equipment and code development in Industry 4.0 environment.

Resource Persons:

Apart from faculty members of SLIET Longowal, experts from other renowned academic Institutions and Industry will conduct the theory & practical sessions of the programme.

Who can participate?

Faculty members, research scholars belonging to AICTE approved technical Institutions, and such Universities can participate in the programme.

How to Apply:

The interested faculty members and PhD scholars from academia are required to fill the online application form on or before September 30th, 2019. Candidates are required to upload the approval from the appropriate authority in the online form.

Course fee/Registration Fee

There is no registration fee for faculty and research scholar of AICTE approved institute. As seats are limited, it shall be on first come first serve basis.

Boarding, lodging arrangements will be made to accommodate participants on twin sharing basis. Meals will be arranged for all the participants. No TA/DA will be provided to the participants for attending the programme.

Important Dates:

Last date for submission of online application form

September 30th, 2019

Organizing Committee

Patron:

Prof. (Dr.) Shailendra Jain,
Director

Chairman:

Prof. (Dr.) A. S. Arora,
Dean (Academics)

Coordinator:

Dr. Manoj Kumar Sachan,
HOD (CSE)

Co-coordinator:

Dr. Major Singh Goraya,
Associate Professor (CSE)
Dr. Damanpreet Singh,
Associate Professor (CSE)

Address for Communication

Programme Coordinator (WIOT-2019)

Department of Computer Science and Engineering

Sant Longowal Institute of Engineering and Technology, Longowal-148106, District Sangrur Punjab (India)

Contact No. 01672-253121, 122

Mobile: 91-9463067527; 91-9417430477,
9464096000

E-mail: hodcse@sliet.ac.in

About the Department

The Computer Science & Engineering (CSE) Department was established in year 1991 to offer different Degree and Diploma programmes in Engineering. At present the department is offering ICD, BE, M.Tech. and PhD program in Computer Science and Engineering. The department is equipped with state of the art hardware and software infrastructure to train the students at different levels. Highly qualified faculty and staff members in the department always remain devoted to their duties and actively involved in quality teaching and research. Department of CSE is also providing various central facilities at the institute level like Networking and Internet accessibility, Central repair and Maintenance of computer equipments etc.

Location Map

