

ABOUT THE INSTITUTE

Sant Longowal Institute of Engineering & Technology (SLIET), Deemed to be University, has been established and funded by MHRD, Government of India in 1991 to provide technical education in emerging areas of Engineering and Technology. The institute has the new concept of flexible, modular and multi-point entry/exit system and aims to provide technical manpower requirements of all levels to the industries. At present the institute offers Integrated Certificate-Diploma, B.E, M.Tech, and Ph.D. in various disciplines of Engineering and Technology, Science and Management.

SHASTRI INDO-CANADIAN INSTITUTE

The Shastri Indo-Canadian Institute is a binational organization that promotes understanding between India and Canada through academic activities and exchanges. The institute support the creation of binational links between academia, government, the business community and civil society organizations by funding research and hosting seminars. The Shastri Institute is funded by and partners closely with government bodies in both India and Canada. The Institute aims to achieve gender equality and reduce poverty by focusing programming on sustainable development and other United Nations Millennium Development Goals.

ABOUT THE WORKSHOP

Internet of Things (IoT) is a technology that provides connectivity of a number of physical devices to everyone at any time and any place. This connection is achieved using internet and electronics. Arduino, an open-source electronics platform can be used to design IoT based projects. It is based on a physical programmable circuit board or microcontroller and an Integrated Development Environment (IDE) that runs on the computer. The process of working with microcontrollers is thus simplified and is easy-to-use for beginners yet flexible to use for advanced users. During the course the following will be covered:

Day 1: IoT Introduction, Components for designing IoT projects, Introduction to Arduino, Arduino Components and IDE, Hands-on Arduino Programming.

Day 2: Overview of IoT communication, Programming an Arduino IoT device, IoT based project weather monitoring system.

At the end there will be a competition among the participants.

EXPECTED OUTCOMES

The participants will be able to understand how to use and interface Arduino to the cloud and apply it to design state-of-art instruments.

IMPORTANT DATES

Last date of Registration: 12th Feb 2020

Confirmation of Participation: 14th Feb 2020

REGISTRATION PROCEDURE

There is no registration fee for the participants. Scanned copy of the registration form and identity proof are required to be sent via email to barashamali@sliet.ac.in on or before 10th Feb 2020.

ELIGIBILITY

The workshop is open to all Diploma, Degree and PG Students of SLIET Longowal.

SPEAKERS

Prof. K G Srinavasa from National Institute of Technical Teachers Training and Research Chandigarh is the teaching faculty.

ADVISORY COMMITTEE

Chief Patron: Prof. S. K. Jain, Director

Patron: Prof. A. S. Arora, Dean (Academics)

Chairperson: Prof. S Marwaha, HOD

SICI Member Representative: Prof. Surita Maini

Co-ordinator: Barasha Mali

REGISTRATION FORM

IOT USING ARDUINO: TWO DAY WORKSHOP (15th to 16th February, 2020)

Name of the Participant: _____

Regn No. : _____

Department: _____

Year of Study: _____

Date of Birth: _____

Gender: _____

Area of Interest: _____

Have you worked with Arduino before: _____

Correspondence Address: _____

Email: _____

Phone: _____

Date: _____

Place: _____

Signature of the participant

Recommended of HOD

IOT USING ARDUINO: TWO DAYS WORKSHOP

15th to 16th February, 2020

Organised by

Sant Longowal Institute of Engineering and Technology

(Deemed-to-be-University, under MHRD, Govt. of India)



Funded by

Shastri Indo-Canadian Institute



Course Coordinator

Barasha Mali

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