

### Registration Details

Faculty/Corporate Members : Rs. 1500  
Research Scholars/UG/PG Students : Rs. 1200

Registration fee should to be drawn in favor of “Hindustan Institute of Technology and Science” payable at Chennai. Fill in the form and send the scan copy of both the application and DD to the mail id mentioned below. The hard copy of the application and the DD is to be sent to the Coordinator on or before 11-07-2018. Selection will be on the First come and First Serve basis.

### Important Dates

Receipt of Application : 16-07-2018  
Intimation of Selection : 17-07-2018

### Travel and Accommodation

No TA/DA will be provided. Paid Accommodation can be arranged on request.

### CHIEF PATRON

**Dr. (Mrs.) Elizabeth Verghese**, Chancellor

### PATRONS

**Dr. Anand Jacob Verghese**, Pro Chancellor

**Dr. K.P. Isaac**, Vice Chancellor

### CO-PATRONS

**Mr. Ashok Verghese**, Director

**Dr. Aby Sam**, Director

**Dr. Pon Ramalingam**, Registrar

**Dr. N. Vasudevan**, Dean – Academics

### TECHNICAL ADVISORY COMMITTEE

**Dr. G. Illavazhagan**, Director – Research

**Dr. Baby Joseph**, Dean-Research

**Dr. D. Mohan**, Associate Dean-Research

### CONVENORS

**Dr. ABY.K.THOMAS**

**Mr. S.S.MANIKANDAN**

**Mr. V.R PRAKASH**

### ADDRESS FOR CORRESPONDENCE

**Mr. S.S.MANIKANDAN**

Assistant Professor, Department of ECE  
Hindustan Institute of Technology & Science  
P.O. Box No. 1, Rajiv Gandhi Salai, Padur - 603103  
Chennai, Tamilnadu.

Contact No: 8939227458

Email: [ssmani@hindustanuniv.ac.in](mailto:ssmani@hindustanuniv.ac.in)



**HINDUSTAN**  
INSTITUTE OF TECHNOLOGY & SCIENCE  
(DEEMED TO BE UNIVERSITY)

**TWO DAYS NATIONAL WORKSHOP  
ON  
INTERNET OF THINGS  
JULY 27<sup>th</sup> & JULY 28<sup>th</sup>, 2018**



**ORGANIZED BY  
DEPARTMENT OF ELECTRONICS AND  
COMMUNICATION ENGINEERING**

*Convenors*

**Dr. ABY.K.THOMAS**

**Mr. S.S.MANIKANDAN**

**Mr. V.R PRAKASH**

**In Association with**



## ABOUT THE INSTITUTION

Hindustan Institute of Technology & Science (HITS) is one of the leading institutions in India with an excellent and established academic and research standing. The main campus is located on the outskirts of Chennai, India. HITS conferred the "University Status" by the University Grant Commission (UGC), Government of India under the section 3 of the UGC act 1956. NAAC has accredited HITS with 'A' Grade. QS has Ranked HITS with QS 3 Star Ratings. HITS completed 31 years of dedicated service to the nation generating trained and qualified graduates for the country. The University has accomplished its mission and its academic achievements are a testimony to the same. It has students and faculty exchange programs with the leading international universities. The university has also received numerous awards over the years.

### About the Department

Electronics and Communication Engineering at HITS has a long standing tradition of excellence. The Department has a team of well qualified experienced and dedicated faculty members

with Industrial and Research background. The Department is fully equipped with state-of-the-art laboratories such as DSP, VLSI, Computer Networks, Digital, LIC and Microwave and FOC Laboratories and a (Ph.D) Research Centre.

### About Internet of Things

Internet of things is a new revolution of the Internet. A world where the real, digital and the virtual are converging to create smart environment that make the energy, transport, cities and may other areas more intelligent. A device become a smart device is called IoT. Now a days there are many android and server based application. In this value of sensor will be shown on GUI or web server or android application through wireless communication and device will be controlled automatically. Device will be operated on Wifi/GPRS.

### Workshop Agenda-Day 1

- Introduction to Robotics, Embedded systems, GPRS,TCP/IP and WiFi.
- Introduction to Microcontroller.
- Programming in embedded C.
- Device Programming.

### Day- 2

- Hands on Training.
- Real Time monitoring of sensors.
- Turn ON/Off AC appliances with MCU.
- IOT based Smart Lighting Intelligent and weather adaptive lighting in street lights for efficient use of power.
- A low cost smart irrigation control system.
- Competition.

### Workshop Benefits

- Current scenario/job opportunities of embedded industries.
- Skill set required in a new employee in embedded industry.
- Robotics future and scope
- Different microcontroller available in the industry & their use.
- In-depth knowledge on design, construction and programming concepts involved in building an autonomous robot Learn & Interact with renowned Industry Experts.