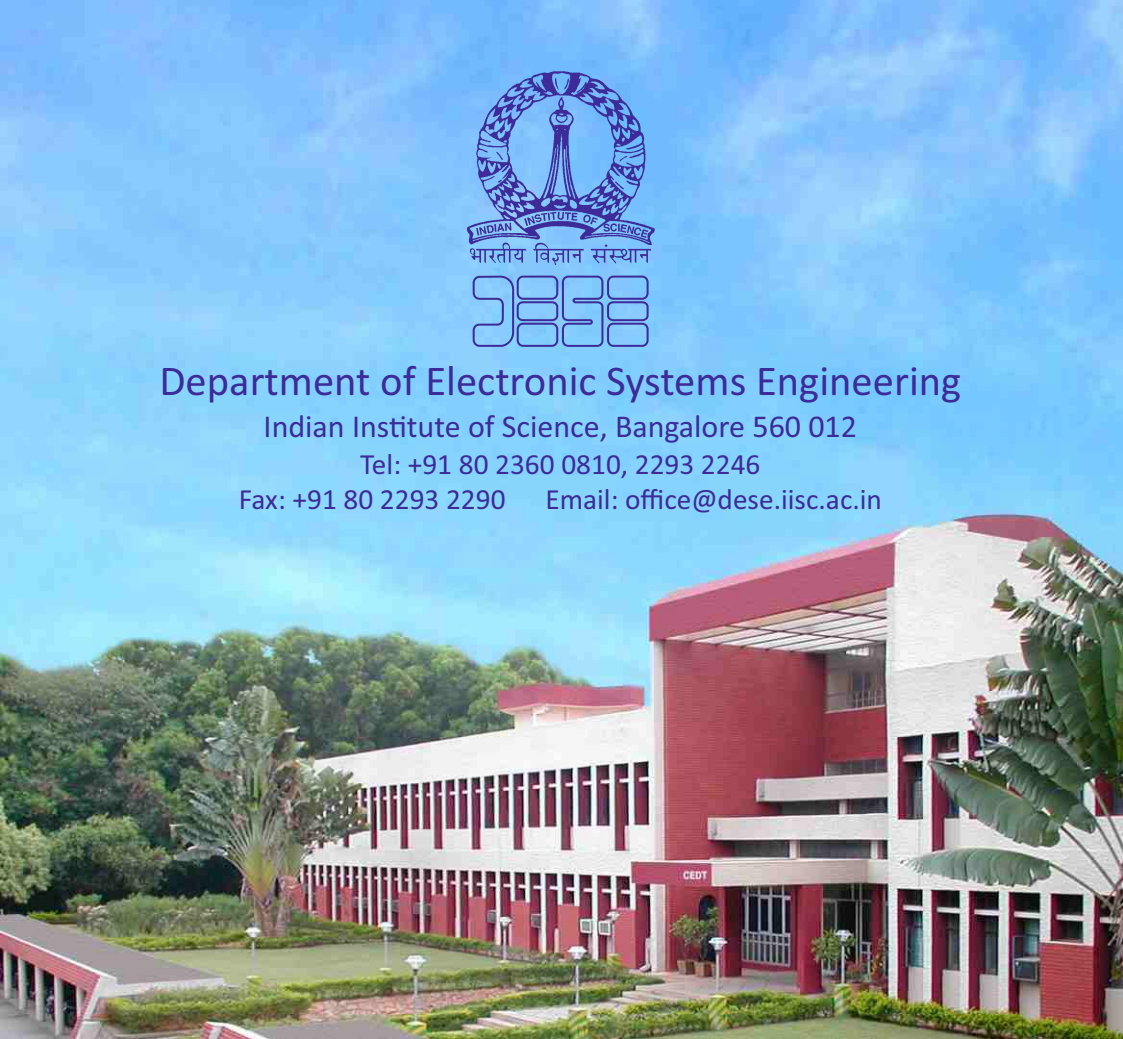




**IISc.  
Challakere Campus**

# Workshop on IoT and embedded applications

(Workshop conducted under the aegis of  
HAL-IISc. Skill Development Centre)

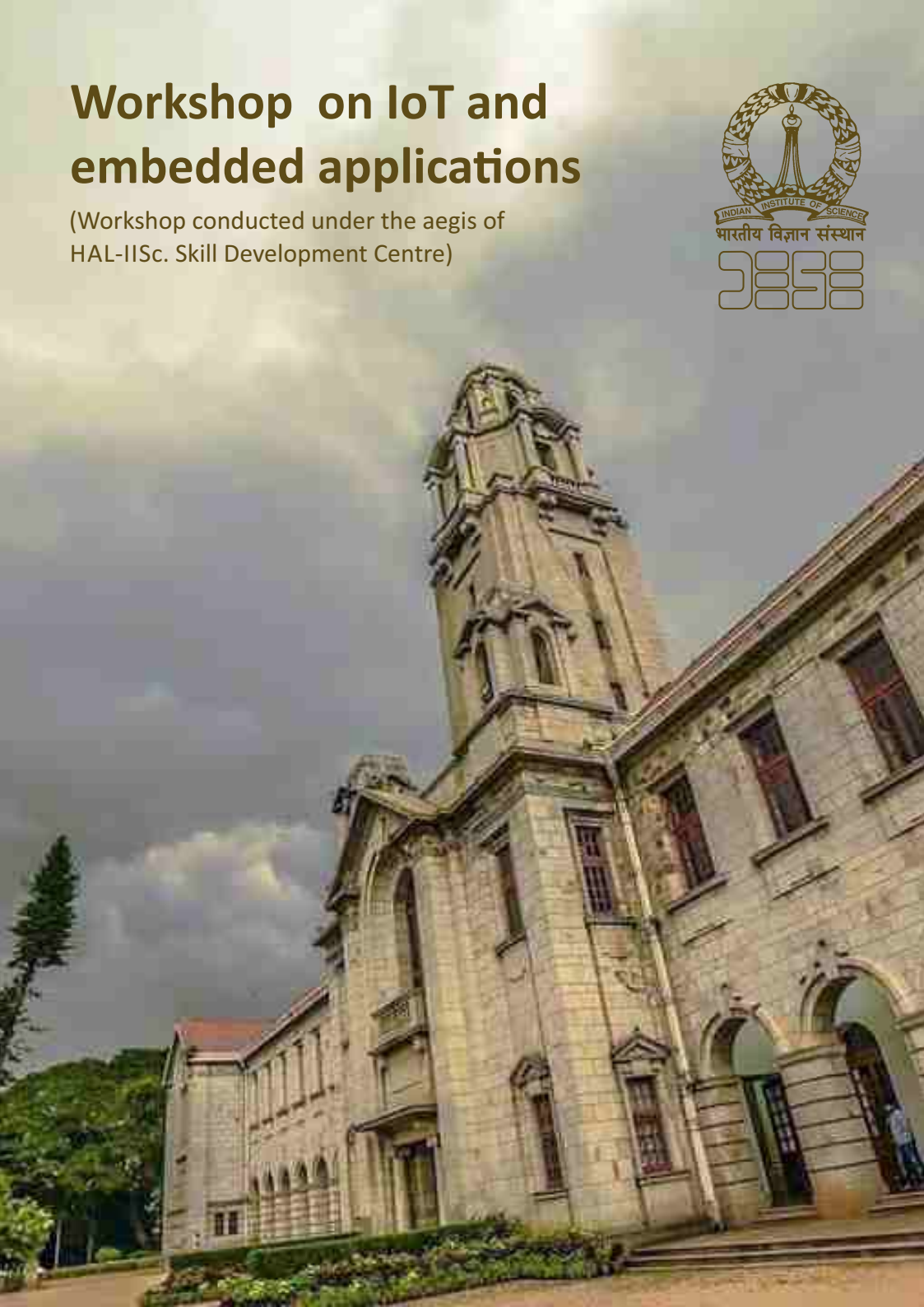


## Department of Electronic Systems Engineering

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Fax: +91 80 2293 2290 Email: [office@dese.iisc.ac.in](mailto:office@dese.iisc.ac.in)



# Workshop on IoT and embedded applications

(Workshop conducted under the aegis of HAL-IISc. Skill Development Centre)

## Registration Link

### SYLLABUS

Embedded systems - IoT protocols and sensors (RFID, Air Quality, Environment Sensing), embedded software interrupt driven systems, software reliability, CORTEX ARM processor architecture, peripherals - GPIO, UART, ADC, memories, IoT Sensors (RFID, Air quality, environment sensing, LIDAR), designing with opamps.

IoT applications - automotive, aerospace (air plane air quality), ARINC 429 principles, localization of airplane rotables. RADAR Handoff protocols - Synthetic and Radar tracks, ADSB

Power supply principles and design, Industrial Design and 3D printed models.

**DATE : 07<sup>th</sup> Dec. 2020 to 11<sup>th</sup> Dec. 2020**

**VENUE : Online**

### PARTICIPANTS :

Pre-requisites : Diploma, Bachelors in Engineering

### REQUIREMENTS :

Candidates should have their laptops with Windows or Linux OS.

### COURSE FEE :

Rs. 1,000/- per participant

### TEACHERS :

T V Prabhakar, Haresh Dagale, Umanand L

[https://forms.office.com/Pages/ResponsePage.aspx?id=I80Vb6f240Gyxa1Bk5dkdoX3bKaRqFJOoZq\\_M\\_WErJtUQIRSRkpaN0ZUWTVHWFBsMTdUREExT0U1MC4u](https://forms.office.com/Pages/ResponsePage.aspx?id=I80Vb6f240Gyxa1Bk5dkdoX3bKaRqFJOoZq_M_WErJtUQIRSRkpaN0ZUWTVHWFBsMTdUREExT0U1MC4u)

*(copy and paste to your browser)*

**Bank details are as shown below: (DD may not be encouraged)**

Details of Bank accounts are as follows: (in the name of : Registrar, IISc)

Name of the Bank & full address: **CANARA BANK**  
Indian Institute of Science, Science Institute Post Office, Bengaluru 560 012

Bank Account Number: **0683201000073**

Type of Bank Account: **Current Account**

Telephone Number of Bank: **080-2360 0934**

Mode of Electronic Transfer Available in the Bank : **ECS/RTGS/NEFT/CBS**

RTGS - IFSC CODE NO.: **CNRB0000683**

SWIFT CODE: **CNRBINBBLFD 0683201000073**

MICR Code of the Bank: **560015023**