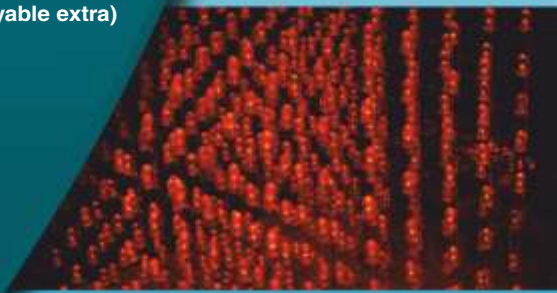
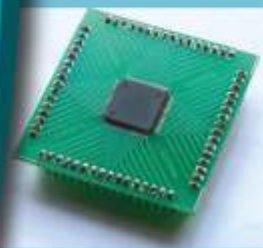




Hope Foundation's

PRALHAD P. CHHABRIA
RESEARCH CENTER (PPCRC)



Summer Training On "INTERNET OF THINGS (IoT)"

Embedded Systems, Communication Systems, Sensors and actuators,
FPGA & CPLD, Robotics, Data Analytics

▶ **Batch I : 15th May to 14th June 2018** ▶ **Batch II : 18th June to 17th July 2018**

Duration One month

Am I eligible?

B.E/ B.Tech/ M.E/ M.Tech (students of all disciplines)

B.Sc/M.Sc (students of all disciplines)

PhD. students of Science & Engineering streams

Industry Professionals

Training in

Each participant will get hands-on training on the following topics:

- ▶ Exploring the hardware
- ▶ Logic implementation
- ▶ I/O configuration
- ▶ Design and interfacing of display systems
- ▶ Sensors and actuators interface
- ▶ Exploring Software tools (Embedded C, VHDL and Python)
- ▶ Data transfer techniques
- ▶ Instrumentation development
- ▶ IoT Platform
- ▶ Wireless Interfaces

Training outcome

- ▶ To develop the understanding of how to use the microcontrollers to interface with real world around us
- ▶ Participants will get the mini-laboratory with different sensors, microcontrollers, CPLD, programmers, interfacing IC's and the knowledge of utilizing it to the full potential
- ▶ Each module in the training is chosen to give an insight into IoT

Fundamentals/ Demonstrations

- ▶ Robotics, Intelligent Systems, Raspberry Pi and ARM
- ▶ Microelectronics & VLSI Design, Nanoelectronics
- ▶ Satellite Engineering
- ▶ FPGA Fundamentals
- ▶ Computer Networks

Things to know

- ▶ Batch I : 15th May to 14th June 2018
- ▶ Batch II : 18th June to 17th July 2018
- ▶ First come first serve basis (Limited seats)
- ▶ Students should bring their laptops

Take-away

IoT mini-laboratory includes required set of embedded controllers, electronic components, sensors, actuators (motors) and other necessary tools to create individual IoT system. Each and every participant can explore, experiment and innovate with the portable mini-laboratory. This Personal Mini-laboratory will be property of the participant.

Fees ₹ 10,000 (GST @ 18% payable extra)
(Hostel facilities available)
NO REFUND WHATSOEVER

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A PROJECT OF FINOLEX

For registration please visit:

www.ppcrc.in/summer-training-on-internet-of-things-iot

<https://www.linkedin.com/company/pralhad-p.-chhabria-research-center>

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