



Certificate Course in Embedded System Design, IoT and Machine Learning

(Course will be considered as an Internship under APJ Abdul Kalam Kerala Technological University)

Duration: 50Hrs

Fees: Rs.3,000/-

Course Modules

- **Python Programming in Linux Box**
- **Matlab Programming for Product Development**
- **Model Based Design using LabVIEW and Simulink**
- **Embedded C Programming**
- **Embedded System Design**
- **Arduino and RaspberryPi Programming**
- **Sensor interfacing using Arduino & RaspberryPi**
- **IoT using Arduino & RaspberryPi**
- **Programming in Fuzzy Logic, Neural Networks, Machine Learning and Deep learning**
- **Basics of Product Development and Research Proposal Preparation**

(Participants are suggested to bring their own Laptops so that they will be able to install necessary softwares; but it is not mandatory)

Course Description:

Research & Enhanced Education Forum of LBSITW is offering a Certified Training Program on Embedded System Design, Internet of Things and Machine Learning in 50 Hrs at LBSITW, Poojappura, Trivandrum. In this course you will get hands-on training on recent technologies such as Machine Learning, Deep Learning, Neural Networks and Fuzzy Logic; in addition you will be trained in embedded boards such as Arduino and RaspberryPi. The participants will get hands-on training in sensor interfacing and IoT using these boards. You will also get training in programming languages such as Python, Matlab, LabVIEW and Embedded C programming. Basics steps in the process of product development and research proposal preparation will be given. By the end of this program, you will have enough knowledge to develop a product of your own and get it funded.

NB: Required modules can be taken separately with module wise reduced fees.

Course Timing:

Saturday & Sunday (10:00 AM to 4:00 PM),

Evening (4:15 PM to 5.30 PM).

Apply online: <https://goo.gl/forms/YfQnDAQQW21nV9bU2>

Course Coordinator

Dr.Lizy Abraham

Dean (Research & Consultancy)

Contact: 9495123331