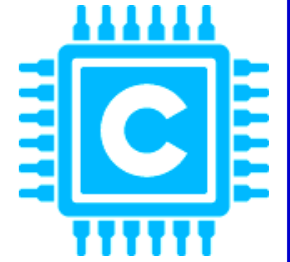




School of Electronics Engineering

Department of Embedded Technology

Value Added Course



Embedded Programming for Sensor Systems (VAC1846)

(6:30 PM-8:30 PM)

Week 1 (09/10/23-13/10/23)

- ◆ Principles of Measurement System
- ◆ Introduction to Sensors
- ◆ Sensor Signal Conditioning
- ◆ Basic Design Schemes of R-L-C type Sensor Systems

Week 2 (23/10/23-27/10/23)

- ◆ 8086 Microprocessor
- ◆ Introduction to ALP
- ◆ Assembler Directives
- ◆ Tools:- Emulator

Mandatory for Certificate:

- ◆ Minimum 50% Marks in Final Assessment Test
- ◆ Completion of Project

Week 3 (30/10/23-03/11/23)

- ◆ Overview of Sensors and Data Acquisition
- ◆ Introduction to Machine Learning
- ◆ Machine Learning Models for Sensor Data Analysis
- ◆ Case Studies and Applications

(6:30 AM - 8:30 PM)

Week 4 (06/11/23-10/11/23)

- ◆ Introduction to Arduino Boards
- ◆ Introduction to Microcontroller
- ◆ Arduino Boards using GPIO
- ◆ Arduino Boards System Design Application and Case Study

Eligibility: UG/PG Students

Starting from
09th October, 2023 (Monday)

Interaction OFFLINE: TT 704

Registration fee: Rs. 250/- + GST

Registration Link: <https://events.vit.ac.in/>

Welcome to Blended Learning

Project Phase : 09/10/2023 - 10/11/2023



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