VIT
Vellore Institute of Technology

28TH IEEE INTERNATIONAL SYMPOSIUM ON VLSI DESIGN AND TEST

VDAT 2024

VIT Vellore, Tamil Nadu, India

School Of Electronics Engineering (SENSE)

Presents

ARDUINO WORKSHOP

Pre-VDAT workshop

3rd August, 2024

VOC gallery - 2, Technology Tower

REGISTER AT:
https://events.vit.ac.in/

ARDUINO

About VDAT

The VLSI Design & Test Symposium (VDAT) began as a workshop in 1998 and became a symposium in 2005 due to growing participation. Since then, VDAT has been held annually, becoming a key event for VLSI professionals and academics. The symposium offers opportunities for academia, researchers, startups, and industry practitioners to share ideas, experiences, and knowledge in VLSI Design and Testing.

In its 28th year, VDAT-2024 will be a three-day in-person event at the Vellore Institute of Technology (VIT), Vellore, Tamil Nadu, from September 1-3, 2024. VDAT-2024 is supported by the VLSI Society of India.

Who Can Attend ?

All VIT Undergraduate Students

Last Date for Registration

2nd August 2024

Event Fee

₹ 100 only

Course Outcome

By the end of this workshop, participants will be able to set up and program Arduino, interface it with various sensors, design simple circuits, and develop projects like LED Control and Weather Station. They will also gain foundational knowledge in troubleshooting, serial communication, and IoT applications.

CERTIFICATES will be provided

Course Content

- Overview to Arduino and Arduino IDE
- Introduction to Microcontrollers
- Understanding Arduino UNO boards and pins
- Programming basics - Variables, Data structures, Control structures and Loops, Functions, Libraries
- Working with Digital and Analog sensors
- Interfacing sensors with Arduino
- Temperature sensor(DHT11 / DHT22) - Light sensor - Motion sensor

Convener:
Dr. S. Sivanantham
Dean, School of Electronics (SENSE)

Co-Convener:
Dr. Jagannadha Naidu K
HoD, Department of Micro & Nano Electronics

Coordinators:
Dr. Somasundaram D,
Associate Professor
Dr. Vetriveeran Rajamani ,
Associate Professor

For Registration contact:
Bhavesh Sai
Contact No.: 7989269410

Required Components will be provided