



Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)
Approved by Government of Tamil Nadu Accredited by NAAC with A++ Grade (3rd Cycle-3.64 CGPA)
Dr. N.G.P.-Kalapatti Road, Coimbatore-641 048, Tamil Nadu, India

Center for Internet of Things (IoT) Organizes

TWO DAY FACULTY DEVELOPMENT PROGRAMME

on

Internet of Things (IoT)

November 15th & 16th, 2023

ORGANIZING COMMITTEE

Patrons

Dr. Nalla G. Palaniswami M.D., A.B., (USA)

Chairman, Dr.N.G.P. Research and Educational Trust

Dr. Thavamani D. Palaniswami M.D., A.B.

Secretary, Dr. N. G. P. Arts and Science College

Dr. O.T. Buvaneswaran MA., M.Phil., MBA., Ph.D.

Chief Executive Officer, Dr.N.G.P. Research and Educational Trust

Dr. K. Ramamurthi

Principal, Dr. N.G.P. Arts and Science College

Dr. S. Saravanan

Vice - Principal, Dr. N. G. P. Arts and Science College

STEERING COMMITTEE

Dr. F. Mary Magdalene Jane, Dean - Computer Science

Dr. D. Geetharamani, Dean - Academic

Dr. K. Kalimuthu, Dean - R&D

Dr. M. Venkatesh Kumar, Associate Dean - Students Affairs

Dr. P.B. Banudevi, Dean - Commerce

Dr. Meera Raman, Dean i/c - Basic and Bio Science

COORDINATOR

Dr. R. Senthil Kumar, Center for Internet of Things (IoT)

OBJECTIVES:

- To introduce the fundamental architecture of microcontrollers
- To Learn the interface of peripheral devices (Sensors/Actuators)
- To explore the integration between microcontroller

OUTCOMES:

- Apply their knowledge to give solutions for real time problems
- Innovate ideas and solutions to novel problems
- Exposure to latest technologies

TOPICS COVERED:

DAY 1:

Session 1: 1. IoT Architecture and IoT Applications
2. Hands-On: LED interfacing

Session 2: 1. Hands-On: Integration - IR sensor, DHT11 sensor
2. Hands-On: Integration - Ultrasonic sensor

DAY 2:

Session 1: 1. Webserver
2. Hands-On: Device control and data accessing using HTTP

Session 2: 1. Hands-On: Cloud Applications (Thingspeak), WDM

RESOURCE PERSON



Dr. K. SUBRAMANIAN

Technical Lead

**Enthu Technology Solutions India Pvt. Ltd.
Coimbatore**

Time : 09.00 a.m. | Venue : IoT Lab

ALL ARE CORDIALLY INVITED