

NGM COLLEGE

(AUTONOMOUS)

Re-accredited by NAAC, An ISO:9001:2015 Certified Institution

Affiliated to Bharathiar University, Coimbatore

90, Palghat Road, Pollachi - 642 001

*"The best way to predict
your future is to create it"*

-Abraham Lincoln

Department of Mathematics

VALUE ADDED COURSE

2023-2024

ON

INTERNET OF THINGS

CAREER OPPORTUNITIES:

- Data Analytics
- User Interface
- Embedded Programs Engineer
- Sensors And Actuator Professional

IOT



Aim of the Course:

To have devices that self report in real-time, improving efficiency and bringing important information to the surface more quickly than a system depending on human intervention

Course Objective:

This Course highlights on physical design, logical design, enabling technologies of IoT, IoT system management and design methodology.

Course Outcomes

After completing the course, the students will enable

- to understand the basics of Internet of Things and design of IoT
- to learn the IoT Technologies
- to learn IoT deployment Templates
- to understand the design methodology and level specification of IoT
- to learn about the physical devices such as Raspberry Pi.

Course Coordinator

Profenaa Industrial Training Centre.

- Course Code : 23PMS2VA
- Course Name : Internet Of Things
- Duration : 30 hours
- Eligibility : All PG course

Module : 1

Introduction to Internet of Things

Characteristics of IoT – IoT Protocols.

Module : 2

Logical Design of IoT

IoT Functional Blocks – Big Data Analytics

Module : 3

IoT Levels and Deployment Templates

IoT Level 1 to 6 - Case Study on IoT System for Weather Monitoring.

Module : 4

IoT Platform Design Methodology

Types of Specification - Application Development

Module : 5

IoT physical devices

Raspberry Pi – Linux on Raspberry P