# ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
## ON
### IOT and Embedded Systems
### 23-09-2024 to 27-09-2024
### Organized by

**National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh**
**(Sponsored by Ministry of Education, Government of India)**
**in association with**
**Dept. of Electronics and Communication Engineering**
**Prasad V. Potluri Siddhartha Institute of Technology (PVPSIT)**
**Vijayawada-520007, A.P, India**

## Objectives of Course:

This course covers the practical use of IoT and embedded systems, which is the combination of physical objects and embedded system technology in real time that allows them to connect and communicate with one another using the internet.

These systems are made up of sensors, microcontrollers, and communication protocols that enable data gathering, processing, and transfer.

Some of the key objectives of this course are to understand

- ✓ Recent advancements in the technology for IoT hardware, including microcontrollers, sensors, and actuators.
- ✓ Software innovations such as operating systems, machine learning, and edge computing enabling more intelligent and autonomous IoT systems.
- ✓ Integration with artificial intelligence and machine learning algorithms.
- ✓ The risk of data breaches and privacy issues.
- ✓ Techniques such as power management, sleep modes, and using renewable energy sources.

## Faculty conducting this programme:

The programme will be conducted by the technical experts from NITTTR, Chandigarh.

## Eligibility:

The program is open to the Faculty of Engineering Colleges and other allied disciplines in India. Industry personnel working in the concerned discipline can also attend.

## How to apply:

Participants are required to fill the online registration form by clicking on the following link:
https://fdp.nitttrchd.ac.in/backingup/index.php

## Selection Criteria:

Selection will be done based on first-come-first-serve basis. The list of selected participants will be intimated through e-mail Candidates will be issued certificates on successful completion of the course.

## Important dates:

Last date for submission of Application **20/09/2024**
Duration of the Course: **23/09/2024 to 27/09/2024**

## About PVPSIT:

Prasad V Potluri Siddhartha Institute of Technology, established in 1998, is a pioneering private self-financed Institution out of the 18 Academic institutions run under the aegis of the premier organization, Siddhartha Academy of General & Technical Education, Vijayawada.

PVPSIT is an Autonomous College by UGC since 2012 and permanently affiliated to JNTU Kakinada. The college offers B.Tech. courses in CSE, CSE(AI/ML), CSE(DS), IT, ECE, EEE, ME and CE branches; M.Tech. in ECE, ME and MBA.

The Institution is accredited by NAAC in 2013 and later reaccredited with 'A$^+$' Grade in 2019 & 2024 in recognition to the quality initiatives and standards. UGC conferred Autonomous Status to the Institution in 2012. The college is accorded 2(f) and 12(B) status by UGC. State Government awarded 'A' grade to the Institution. MHRD ranked the Institution as between 201-300 Rank band in the Academic Institutions in NIRF ranking. Careers 360 ranked the Institution with AAA+. The college secured 130th position in India Today ranking. The Institution secured 52nd position in Data Quest.
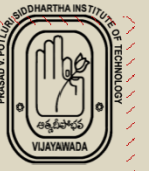
## About NITTTR Chandigarh:

In realization of the need for training better quality technicians to meet the large scale industrialization of the country, the Ministry of Human Resource Development (the then Ministry of Education), Government of India established four Regional Technical Teachers Training Institutes. It was designed to meet the requirements of developing technical education in different regions of the country. The Institute is registered under the Societies Registration Act, 1860 and is managed by a Board of Governors.

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**Vijayawada-520007, Andhra Pradesh, India**

## Sponsorship Certificate

1. Name:

2. Designation:

3. Institution:

4. Email:

5. Address for Correspondence:

6. Educational Qualification:

7. Mobile No:

**Declaration**
**The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and will attend the course for the entire duration.**

**Signature of the Applicant**

Dr. /Mr. /Ms ..........................................................is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **"IOT and Embedded Systems"**, sponsored by Ministry of Education, Government of India during 23-09-2024 to 27-09-2024 at NITTTR, Chandigarh.

**Signature of Head of Institution**
**(with seal)**

**Interested members, please register:**
**https://fdp.nitttrchd.ac.in/backingup/**

**Organizing Committee: ECE Faculty**

**Coordinator's:**
**Dr. P. Venu Madhav,**
**Asst. Professor**
**Mrs. L. Madhavi Devi**
**Asst. Professor**
**Dept. of ECE**
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