ABOUT IIITDM KURNOOL

Indian Institute of Information Technology Design and Manufacturing, Kurnool (IIITDMK) was announced in 2014 after receiving the assent of President of India to the Institutes of Information Technology Act, 2014, and its subsequent publication in the Gazette of India, Extraordinary, Part-II, Section I, on December 08, 2014. The IIITDM Kurnool campus is located far away from the bustling life of the metropolis in the mineral-rich mountain trails of the Rayalaseema region of Andhra Pradesh. The campus is situated at top of a hill that oversees Kurnool city. The place offers a perfect environment to nurture a peaceful state of mind required to carry out research and other student activities.

Highlights of the course:

1. Case study discussion: Precision systems
2. Emphasize on research gaps in design of smart system.
3. Recent advancements in cyber physical systems/IoT.

ATAL ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

Internet of Things

for

Precision Systems

13th – 17th September, 2021

Coordinator
Dr. R. Preeth
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Indian Institute of Information Technology
Design and Manufacturing, Kurnool
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AICTE Training and Learning (ATAL Academy),
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(AICTE)
Government of India

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Important Dates

Start date of online registration	01st August, 2021
Last date of online registration	07th September, 2021
Selection list by email	08th September, 2021
Duration of the FDP	13th – 17th September, 2021

REGISTRATION

For registration click here
OR
Scan the QR Code

RESOURCE PERSONS

All the lectures in the FDP will be delivered by the experts from IITs/NITs/IIITs/Industry.

COURSE CONTENTS

- Introduction to Internet of Things (IoT) and Industry 4.0

- Hands on: Raspberry Pi, ESP32 Wi-Fi Router: Architecture and Simple Programs

- Python for Data analytics and Visualization

- IoT Protocols for resilient communication

- IoT for Precision Agriculture

OBJECTIVES OF THE COURSE

IoT (Internet of Things) is one of the most exciting trends and innovation in the recent technological advancement. The precision system requires a resilient framework and it can be achieved using the low-cost on board microcontroller and microprocessor and micro sensors with reliable internet connectivity. The diverse variety of computing environment has extremely facilitated Internet of Things to grow steadily over the less period of time. It also enables M2M (machine to machine) communication and leads to development of intelligent technologies. However, IoT has its own challenges in real-time applications with respect to implementation difficulty. The proposed FDP is focused to address the recent advancements in terms of security, accuracy and latency in IoT design, which leads to precise end system.

ORGANIZING COMMITTEE

Chief Patron
Hon'ble Prof.
DVLN Somayajulu
Director
IIITDM Kurnool

Head of The Department
Dr. Renjith. P.
Assistant Professor and HOD
Department of CSE
IIITDM Kurnool

Coordinator
Dr. R. Preeth
Assistant Professor
Department of CSE
IIITDM Kurnool

ELIGIBILITY

Faculty members and research scholars of the AICTE approved institution, centrally funded institutions like IITs, NITs, IIITs and R&D labs across India, PG Scholars and Staff of the host institution.

ONLINE FDP METHODOLOGY

There are 14 lectures including online demo and all the lectures will be conducted on CodeTantra platform of IIITDM Kurnool. We will provide a secure meeting code a day before the commencement of the course.

ABOUT ATAL

ATAL programme is an initiative by AICTE which aims at empowering faculties to goals to higher education such as access, equity and quality. These programs are designed to fulfil the need to train the young generation in skill sector and having faculty & technicians to be trained in their respective disciplines.
Objective: To provide a variety of opportunities for training and exchange of experiences. Such as workshops, Orientations, learning communities, peer mentoring and other faculty development programmes.
Mission: To establish AICTE Training and Learning (ATAL) cell in all the technical institutions, Universities, Deemed-to be Universities and other institutions of technical learning.
Vision: To empower faculty to achieve goals of Higher Education such as access, equity and quality.

REGISTRATION

Maximum 200 participants will be allowed to register for the FDP. Registration will be on first come first serve basis.
No registration fees will be charged from the participant.

CERTIFICATE

An online test will be conducted at the end of the program. The certificates shall be issued to those participants who have attended the program with **minimum 80% attendance** and have scored **minimum 60% in the test**.