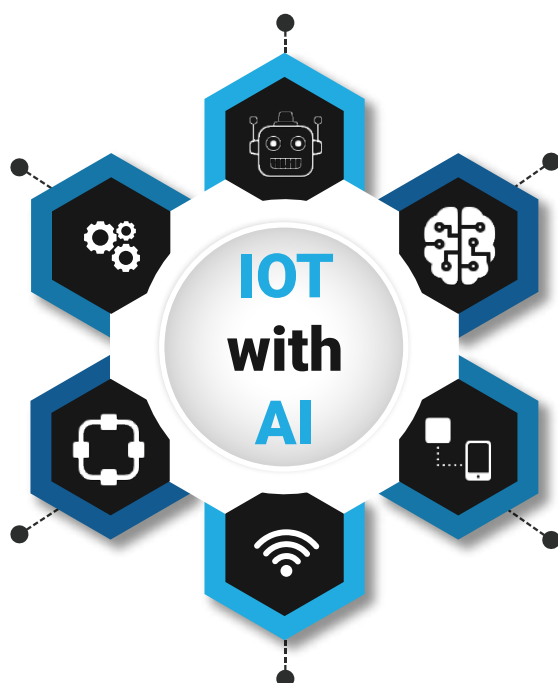ATAL ONLINE FACULTY DEVELOPMENT PROGRAMME
ON
Internet of Things (IOT) with Artificial Intelligence (AI)
12th -16th July 2021

SPONSORED BY:

**AICTE Training and Learning (ATAL) Academy,
AICTE, New Delhi**

ORGANIZED BY:

**Department of Computer Sc. & Engineering
Chandigarh College of Engineering & Technology
(Degree Wing), Panjab University, Chandigarh**

About Chandigarh College of Engineering & Technology (Degree Wing), Chandigarh

Chandigarh College of Engineering and Technology (CCET) Degree Wing, Chandigarh, a Government Institute under UT Administration, Chandigarh, was established in 2002. CCET (Degree Wing) has the reputation of being one of the premier engineering college for imparting quality education in Engineering & Technology which is located in sector -26, Chandigarh. CCET (Degree Wing), Chandigarh, is affiliated to Panjab University (PU), Sector 14, Chandigarh and approved by All India Council for Technical Education (AICTE), Ministry of HRD, Government, of India, New Delhi.

About Department of CSE

It is well known fact that computer science and engineering is one such field which is growing up in an eye-blinking speed, has become an integral component of almost all the existing fields. Department of computer science and engineering is established in 2002 with a vision to enrich young mind of today and provide good learning environment in wide range of latest technologies which include Computer's Database Systems, Artificial Intelligence, Computer Networks & Distributed Computing, operating system, Computer Graphics, Mathematical Modeling, OOPS, Advanced DBMS (OODBMS, Distributed DBMS etc.), Software Engineering, Linux, Big Data, Computer Architecture and many mores. The success of a Department is best judged by the performance of its students. CSE department comprises with very talented and thought-provoking faculty members to cater the innovative teaching and learning practices including research and scientific problem solving approach related to computing world.

ABOUT AICTE-ATAL FDP

AICTE, New Delhi is committed for development of Quality Technical Education in the country by initiating various schemes launched by Ministry of Education, Govt. of India. Accordingly, it was decided to establish AICTE Training and Learning (ATAL) Academy with clear objective to plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in latest technologies. It also provide a variety of opportunities for training and exchange of experiences, such as workshops, Orientations, learning communities, peer mentoring and other faculty development programmes. It also help to policy makers for incorporating training as per requirements and needs. The Faculty Development Programme (FDP) intends to provide financial assistance to facilitate up-gradation of knowledge, skill and intends to provide opportunities for induction training to teachers employed in disciplines Engineering & Technology, Pharmacy, Hotel Management & Catering Technology, Architecture, Town Planning and Applied Arts & Crafts.

IMPORTANT INFORMATION TO THE PARTICIPANTS

• No Registration Fee and Limited Seats.

• Participation in this FDP is open to the Faculty / Research Scholars / PG Students from Universities / AICTE Recognized Institutions.

• Eligible participants will be selected based on First Come First Serve basis.

• E-certificate will be issued by ATAL AICTE to those participants who have attended the Program with minimum 80% Attendance and scored minimum 60% Marks in the Online Test which will be conducted at the end of the programme.

• Link is available at AICTE Training and Learning (ATAL) Academy website by selecting this FDP at https://atalacademy.aicte-india.org/.

• All the participants are requested to register for this FDP through Online by using the ATAL Academy link (https://atalacademy.aicte-india.org/) under Application No: 1614368327 with title Internet of Things (IOT) with Artificial Intelligence (AI).

Organizing Committee

Chairman

Dr. Manpreet Singh
Principal, CCET (Degree Wing),
Sector-26, Chandigarh

Coordinator

Dr. Sunil K. Singh
Professor & HOD, CSE Department
CCET (Degree Wing),
Sector-26, Chandigarh

Last date of
Registration :

5th July, 2021

Confirmation of
Selected
participants:

8th July, 2021

Registration of participants will be done through only webpage-
https://www.aicte-india.org/atal

ABOUT AICTE-ATAL FDP COURSE ON IoT WITH AI

The Internet of Things, or IoT, refers to the billions of physical devices around the world that are now connected to the internet for collecting and sharing data for various advance computing applications. In recent years, the use of the Internet of Things (IoT) has increased exponentially, but artificial intelligence (AI) is the real driving force behind the IoT's full potential. Individually, the Internet of Things (IoT) and Artificial Intelligence (AI) are powerful technologies. When you combine AI and IoT, you get AIoT—the artificial intelligence of things. The IoT concept has given the world a higher level of accessibility, integrity, availability, scalability, confidentiality, and interoperability in terms of device connectivity.

The Department of Computer Sc. and Engineering, CCET (Degree Wing) Chandigarh, in association with AICTE-ATAL academy, is going to organize Online FDP on "IoT with AI" to train the faculty/research scholars on the importance of AI to the IoT themes of applications. This FDP aims to give a series of technical conceptual presentations with practical demos-based sessions (using Arduino and Raspberry Pi with other relevant technologies) on various topics related to IoT and AI.

2021 JULY

12 MON
Introduction and Application of Internet of Things
Artificial Intelligence (AI) : Opportunities, Trend & Challenges
IOT Protocols and Architectures

13 TUE
Cloud Computing/Distributed Computing
Data Science and Applied AI
AI powered for IOT Devices.

14 WED
Overview of Machine Learning and application in Medical Image Analysis
Application and Challenges of Smart Sensor in IOT
Yoga & Stress Management

15 THU
Smart HOME & Cities: IOT Computing
AI Application (Practical Session)
Data Science and Applied AI

16 FRI
IOT Security and Privacy
IoT with Raspberry Pi / Arduino (Practical Session)
Online Test and Submission of Feedback

EVENT SCHEDULE

Monday (12/07/2021)	Inaugural Ceremony				09.00 AM - 10.00 AM
Time / Day	**10.00 AM- 11.30 AM**	**12.00 PM- 1.30 PM**	**1.30 PM - 2.30 PM**	**2.30 PM - 4.00 PM**	**4.00 PM- 4.30 PM**
Monday (12.07.2021)	Session 1 Introduction and Application of Internet of Things	Session 2 Artificial Intelligence (AI): Opportunities, Trend & Challenges	L U N C H B R E A K	Session 3 IOT Protocols and Architectures	Practices, Review and Doubt Session
Tuesday (13.07.2021)	Session 4 Cloud Computing/Distributed Computing	Session 5 Data Science and Applied AI		Session 6 AI powered for IOT devices	
Wednesday (14.07.2021)	Session 7 Overview of Machine Learning and application in Medical Image Analysis-	Session 8 Application and Challenges of Smart Sensor in IOT		Session 9 Yoga & Stress Management	
Thursday (15.07.2021)	Session 10 Smart HOME & Cities: IOT Computing-	Session 11 Application of AI in IOT		Session 12 Applied AI (Practical Session)	
Friday (16.07.2021)	Session 13 IOT Security and Privacy	Session 14 IoT with Raspberry Pi / Arduino (Practical Session)		Session 15 Online Test and Submission of Feedback	Valedictory Session

CONTACT US & IMPORTANT DATES

Chandigarh College of Engg. & Tech.

CCET

http://ccet.ac.in/

For any query, please feel free to contact:
Dr. Sunil K. Singh,
Professor & HoD | FDP Coordinator
(M) 9818182457 | sksingh@ccet.ac.in

Sudhakar Kumar
AP, CSE, CCET (Degree Wing), Chandigarh
(M) 8434518635 | sudhakar@ccet.ac.in

- No Registration Fee and Limited Seats.

- Last date of Registration: 5th July, 2021

- Withdrawal of registration: 7th July 2021

- Final Date of Confirmation: 8th July 2021