AICTE TRAINING AND LEARNING (ATAL) ONLINE 6 DAYS FACULTY DEVELOPMENT PROGRAMME

on

Introduction to IoT and Machine Learning:
Essential Skills for Smart Cities and Mobility

16/12/2024 - 21/12/2024

Jointly organized by
Departments of Information Technology,
Applied Sciences & Humanities and Computer
Engineering, Govt. Polytechnic Hamirpur,
Himachal Pradesh, India - 177001
https://gph.edu.in/

ABOUT THE INSTITUTION

Govt. Polytechnic Hamirpur, established in 1963, initially offered three core branches: Civil, Electrical, and Mechanical Engineering, contributing significantly to the advancement of technical education. In 2000 and 2001, the institute expanded its offerings to include Computer Engineering and Information Technology, aligning with evolving industry needs. Over the years, it has not only excelled in technical education but also played a crucial role in community development. Today, it is one of 17 Government Polytechnics in Himachal Pradesh, known for fostering technical expertise and innovation.

ABOUT ATAL ONLINE FDP

In today's fast-paced digital era, traditional skills alone are no longer sufficient to meet future demands. The COVID-19 pandemic has transformed the way we think, work, and learn, accelerating the shift toward a fully digital landscape. To address the growing need for cutting-edge skills in academia and industry, Govt. Polytechnic Hamirpur, Himachal Pradesh, India is organizing a six-day ATAL Online FDP titled *'Introduction to IoT and Machine Learning: Essential Skills for Smart Cities and Mobility'* from December 16 to December 21, 2024. The sessions will run from 18:00 to 21:00 IST. All sessions will be recorded and made available to participants.

WHO CAN APPLY

- Faculty Members
- Post Graduate Students (Only AICTE approved institution)
- Research Scholars
- Industry Professionals

HOW TO APPLY

- Participants need to apply online at http://www.aicte-india.org/atal.

TAKEAWAYS

Upon successful completion of this FDP, participants will:

- Understand IoT and Machine Learning concepts, their applications, and the synergy between them.
- Gain practical knowledge in data preprocessing, building, training, and evaluating Machine Learning models.
- Learn to integrate IoT with Machine Learning for enhanced decision-making.
- Get hands-on experience with simulators for IoT and Smart City applications.
- Explore security, privacy, and ethical considerations in IoT and AI-driven technologies.

TEST AND CERTIFICATE

An online test will be conducted at the end of the programme. Certificates will be issued to participants who have registered on the ATAL portal (www.aicte-india.org/atal), achieved at least 80% attendance, scored a minimum of 70% in the test and submitted feedback for the FDP.

RESOURCE PERSONS

Academia

- Prof. Srinivasa K. G., IIIT–Naya Raipur, Chhattisgarh, India.
- Prof. Yashwant Singh, Central University Of Jammu, J&K, India.
- Dr. T. P. Sharma, Associate Professor, NIT Hamirpur, Himachal Pradesh, India.
- Prof. Anand Nayyar, Duy Tan University, Da Nang, Viet Nam.

Industry

- Mr. Gaurav Kumar, Magma Research and Consultancy Services, Ambala, Haryana, India.
- Mr. Neeraj Verma, Apexanalytix, Greensboro, North Carolina, United States.
- Mr. Akshay, Walker Chandiok & Co LLP, Delhi, India.
- Mr. Ajay Godara, Enovate Skill, Panchkula, Haryana, India.
- Mr. Shahraan Hussain, iOPEX Technologies, Bangalore, Karnataka, India.

KEY BENEFITS

- 100% free (no fees)
- ATAL FDP certification
- Fully online, 18:00 - 21:00 IST
- 50% industry expert speakers
- Session recordings

COORDINATOR

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