

## FDP REGISTRATION FORM

Name: \_\_\_\_\_

Qualification: \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Institution: \_\_\_\_\_

Address for Communication: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Mobile: \_\_\_\_\_

E-mail ID : \_\_\_\_\_

Payment Proof: \_\_\_\_\_

Bank : \_\_\_\_\_

Reference No.: \_\_\_\_\_

Amount : \_\_\_\_\_

### DECLARATION BY THE CANDIDATE

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the course for the entire duration.

Place: \_\_\_\_\_  
Date: \_\_\_\_\_

Signature of the candidate

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Head of the Institution (seal & signature):

## SCAN HERE FOR REGISTRATION

Registration last date: 20<sup>th</sup> June 2024

Contact Us

Registration Committee

Ms. Akshatha P S - 9964931045

Mr. Ramesh Prasad R - 8310155707



DAY-WISE SCHEDULE OF FDP				
FN SESSIONS 1 & 2		AN SESSIONS 3 & 4		
DAY	9:00 – 10:30 AM	10:45 – 12:45 PM	1:30 – 3:00 PM	3:15 – 4:45 PM
24 <sup>th</sup> Jun 2024	INAUGURATION & KEY NOTE ADDRESS	BUSINESS PROBLEMS ADDRESSED USING AI/ML	FUNDAMENTAL PRINCIPLES OF DESIGNING SYSTEMS FOR AI/ML	ROADMAPPING TECHNIQUES FOR AI/ML PRODUCTS
24 <sup>th</sup> Jun 2024	BEST PRACTICES AND TOOLS TO BUILD EFFECTIVE DATA PIPELINES	DATA ENGINEERING PIPELINE IMPLEMENTATION	SOLVE PRACTICAL PROBLEMS OR DESIGN AI/ML SYSTEMS	DATA PROCESSING FRAMEWORKS
26 <sup>th</sup> Jun 2024	XAI TECHNIQUES, TOOLS & LIBRARIES	INTEGRATION OF DATA ENGINEERING AND XAI	INDUSTRY VISIT	INDUSTRY VISIT
27 <sup>th</sup> Jun 2024	MLOPS PIPELINE & BEST PRACTICES	FRONT-END UI FOR AI/ML APPLICATIONS	INTEGRATION OF MLOPS AND FRONT-END UI	INTEGRATION OF MLOPS AND FRONT-END UI
28 <sup>th</sup> Jun 2024	HANDS-ON PROJECTS	LIVE DEMONSTRATIONS	CODE REVIEWS & PEER ASSESSMENT	VALEDICTION



Department of  
Artificial Intelligence and Machine Learning

5-Day Industry Intensive Faculty  
Skill Development Program

Optimizing Machine  
Learning Workflows: Data  
Pipelines, Explainable AI,  
and MLOps in Research and  
Practice



24<sup>th</sup> - 28<sup>th</sup> June 2024

## About VTU

Visvesvaraya Technological University is one of the largest Technological Universities in India with 24 years of Academic Excellence in Engineering & Technical Education, Research and Innovations. It came into existence in the year 1998 to cater the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge.

## About NHCE

New Horizon College of Engineering is an autonomous college permanently affiliated to Visvesvaraya Technological University (VTU) approved by the AICTE and UGC. It is accredited by NAAC with "A" grade & NBA. It is an ISO 9001:2008 certified college. NHCE has been ranked amongst the Top Engineering Colleges across India, by National Institutional Ranking Framework (NIRF 2021) by MHRD, Govt. of India. It is honored with the distinguished "Most Preferred Institute for Providing Global Exposure" award during 13th ASSOCHAM Higher Education, Skill & Livelihood Conclave held on 25th & 26th February 2020 at New Delhi.

## About ISTE

The Indian Society for Technical Education (ISTE) is a national professional organization dedicated to advancing technical education in India. ISTE provides a platform for educators and students to enhance their skills through workshops, conferences, and training programs. It fosters collaboration between academia and industry to promote innovation and excellence in technical education. ISTE also offers various professional development opportunities, helping members stay updated with the latest trends and technologies.

## About the Department

With a Vision "To emerge as a department of eminence in Artificial Intelligence and Machine Learning in serving the Information Technology Industry and the nation by empowering students with a high degree of technical and practical competence". The Department of AI & ML got its inception in the year 2020, offers Bachelor of Engineering (BE) Programme in (Artificial Intelligence & Machine Learning).

The department has always taken steps to bring closer industry and academia for the student's betterment. In this regard, we have association with IBM and Altair Engineering. The IBM OPEN Power Lab at NHCE uses IBM POWER9 processor based Server with the aim to meet the challenging needs of industry, academia, and society in the world of Artificial Intelligence (AI), Machine Learning (ML) and Deep Learning (DL) with AI based hardware and or software systems and support from IBM.

Altair Engineering provides educational institutions with the resources they need to help educators develop core computing knowledge and skills aligned to industry standards and using current technologies like Data Science, AI, and ML. It aims to meet the changing needs of industry, academia, and society in the world of Artificial Intelligence (AI), Machine Learning (ML), Deep Learning (DL) and Data Science (DS) through Altair software and students training program.

## About the FDP

The FDP will cover topics such as business problem, system design, product board, data engineering pipeline, XAI training pipeline, MLOps pipeline and front end UI. All sessions will be conducted by industry experts who specialize in their session topics, ensuring that participants gain practical insights and knowledge relevant to their teaching and research endeavors.

### The objectives of this FDP are to:

- Enhance participants' skills in optimizing machine learning workflows, focusing on data pipelines, explainable AI, and MLOps.
- Improve the efficiency of machine learning projects through the implementation of best practices in data pipelines, explainable AI techniques, and MLOps.
- Facilitate knowledge sharing among participants to foster innovation and collaboration in the field of machine learning workflow optimization.

The FDP will include interactive sessions, hands-on workshops, and opportunities for teaching, learning and research collaboration. Participants will also receive certificates of completion, jointly issued by our institution and the industry partners.

**Target Audience:** The program is designed for faculty members actively involved in teaching and research activities related to all computing allied branches.

**Outcomes:** Upon completion of the program, participants will be able to:

- Demonstrate proficiency in designing and implementing data pipelines for AI and ML projects.
- Apply techniques for creating transparent and explainable AI models.
- Implement best practices in MLOps for efficient model deployment and management.

CHIEF PATRON

**Dr. Mohan Manghnani**  
Chairman

PATRON

**Dr. Manjunatha**  
Principal

CONVENOR

**Dr. N V Uma Reddy**  
Profession & Head, Dept. of AI & ML

FACULTY COORDINATORS

**Dr. B. Meenakshi Sundaram**, Professor  
**Dr. Umamaheshwaran S**, Professor  
**Dr. Sreejith S**, Associate Professor  
**Dr. Sowmya H K**, Associate Professor  
**Dr. Sonia Maria D'Souza**, Associate Professor

KEYNOTE SPEAKER

**Mr. Samikkumar Shah**  
Lead Data Engineer, Target, Bengaluru

RESOURCE PERSONS

**Mr. Krishnav Dave**  
Founder & CEO, PreProd Corp, Bengaluru  
**Mr. Harish S**  
Co-Founder & CTO, PreProd Corp, Bengaluru

## REGISTRATION FEE

For each faculty member/research scholar: 600/- INR

The Registration amount needs to be paid to

Account Number: 484700078

Bank: Indian Bank

IFSC: IDIB000N112

Acc Name: New Horizon College of Engineering