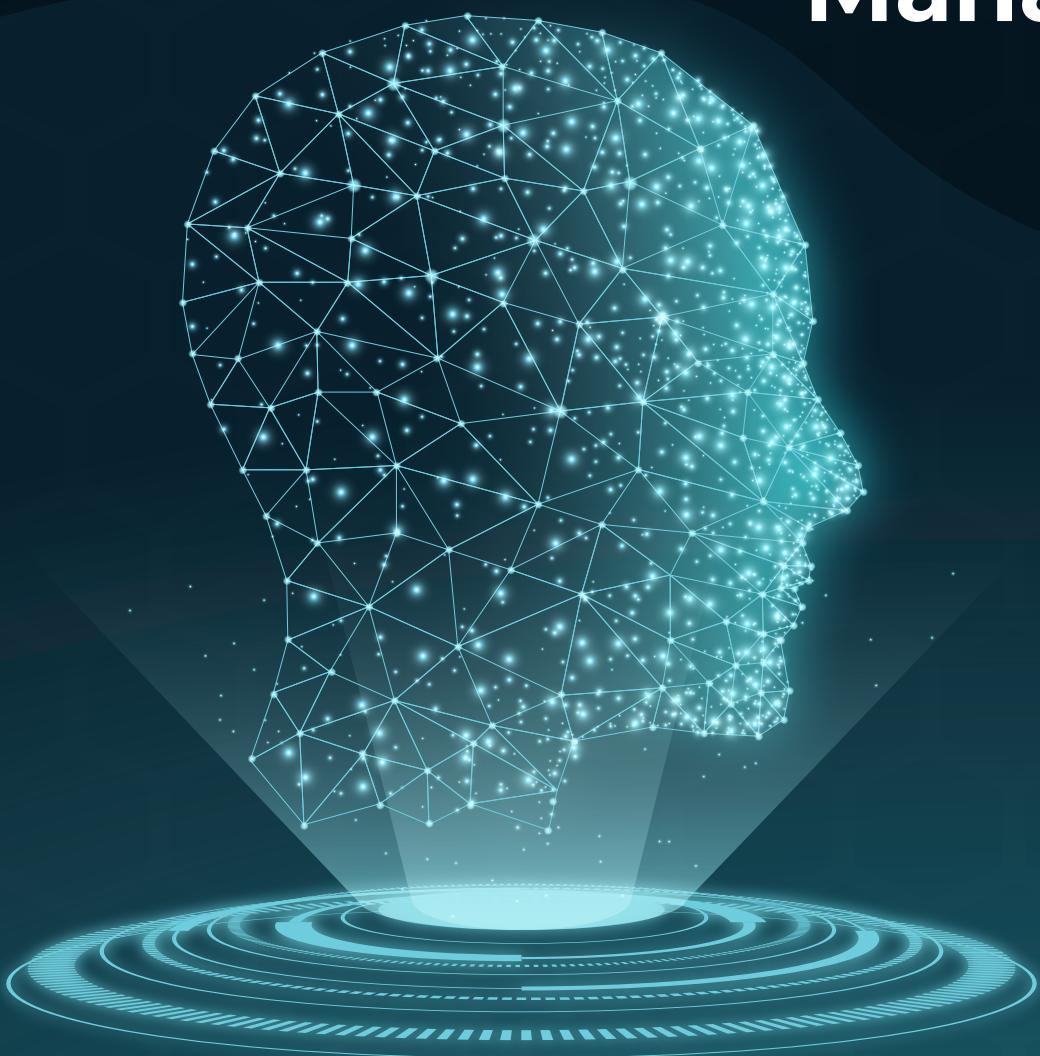




Faculty Development programme (FDP)

Machine Learning Model Operationalization Management MLOPS



Date

2nd February, 2023 – 6th February, 2023

Organised By
Apex Institute of Technology (CSE)

CHANDIGARH UNIVERSITY APEX INSTITUTE OF TECHNOLOGY



Objectives of FDP

- To enrich participants of the domain with preliminaries and novice trends of AI tools in machine learning and optimization.
- To promote research and development activities by the participants in the field of AI and ML and other techniques.

- To learn that optimization techniques for data over cloud to improve operation ability and accessibility of systems.
- To learn through hands-on implementation of various algorithms to deliver practical skill to participants through various tools such as DevOps and MLOps.
- To Share upgrade the knowledge of the participants related to Recent trends and R&D in Artificial Intelligence & Machine Learning
- The participants will be trained with hands-on approach in order to have an in-depth insight into the domain of MLOps and expose them to Feasibility & future scope.

Expected outcome of the Faculty Development Program

- Understand the Basic & Advance of MLOps
- Understand the various techniques of MLOps
- Introduction and work on the Dockers & Kubernetes
- Understanding and practical knowledge of different tools of MLOps

Methodology

- The methodology of the workshop will be in virtual mode and comprise:
- Online lecture
- Demonstrations
- Participatory discussion with Q&A
- Exercises and data analysis sessions on MLOps.

FDP program shall commence on February 02, 2023 and will be spread over two sessions per day.

Session 1: 10:00 A.M. - 12: 00 P.M.
Session 2: 1:30 P.M. - 3:30 P.M.
The FDP will be organized in the Online Mode on Microsoft Team.

Registration Link for FDP

https://docs.google.com/forms/d/e/1FAIpQLSfSfuD5ulyo1lnd9JhgI3U2daiSmqZ_bJ6ox-ivjFMbWwvz-Q/viewform?usp=sf_link.

Eligibility & Mode of Training

- 70% attendance and 50% marks in the assessment exam at the end of FDP are mandatory for obtaining the certificate for FDP.
- Any faculty from Govt./Govt. Aided/College/University, Pvt. Engineering College/ University interested in the relevant theme of the training.
- Faculty from Computer Science, Computer applications, Information Technology, Electronics, and related streams would be ideal candidates for the program.
- Faculty must have access to computer/laptop with an internet connection to participate in the FDP.
- The registration will be done after filling submitting the GOOGLE FORM by the participants, the link is given as :
- All registered participants will receive confirmation and the details for each day in advance.
- REGISTRATION FEES: NIL

Faculty Development Program Sessions Schedule

Day & Date	Session	Timings	Topic
Thursday Day 1, 02/02/2023	Session 1	10.00 a.m. - 10:15 a.m.	Inaugural Ceremony & Motivation of MLOps
		10.15 a.m. - 12:00 a.m.	
	Session 2	1.30 p.m. - 3:30 p.m.	State of MLOps
Friday Day 2, 03/02/2023	Session 1	10:00 a.m. - 12:00 p.m.	End-to-End Workflow ML Lifecycle
	Session 2	1:30 p.m. - 3:30 p.m.	Deployment Strategies
Saturday Day 3, 04/02/2023	Session 1	10:00 a.m. - 12:00 p.m.	Designing ML Powered Softwares
	Session 2	1:30 p.m. - 3:30 p.m.	ML Model Governance
Sunday Day 4, 05/02/2023	Session 1	10:00 a.m. - 12:00 p.m.	Data Engineering Pipelines
	Session 2	1:30 p.m. - 3:30 p.m.	ML Serving Practical Patterns
Monday Day 5, 06/02/2023	Session 1	10:00 a.m. - 12:00 p.m.	Tools & Frameworks
		1:30 p.m. - 3:30 p.m.	MLOps Stack Canvas
	Session 2	3:35 p.m. - 3:50 p.m.	Valedictory Session

Expert Speakers



Mr. Karan Jakhar

Computer Vision Engineer, Argent Elm,
Chandigarh



Mr. Abhinay Kumar Jha

Data Scientist, Senior Business Analyst (AIM) Citi,
Pune Maharashtra



Dr. Suresh Arumugam

Senior Assistant Professor, uGDX Institute of Technology,
Bengaluru



Mr. Ashish Patel

Sr. AWS AI-ML Solution Architect, IBM India Pvt Ltd,
Ahmedabad



Mr. Prajwal Yerawar

Lead Data Scientist, Apptware, Pune,
Maharashtra, India