



GUJARAT TECHNOLOGICAL UNIVERSITY

(Established Government of Gujarat under Gujarat Act No. : 20 of 2007)
(Accredited with A+ Grade by NAAC)

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી

(ગુજરાત સરકારના ગુજરાત અધિનિયમ ક્રમાંક : ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

GTU/GTU SKILLS/FDP Intel AI for Mfg/ 10340

Date: 16/12/2024

CIRCULAR

The Intel® AI for Manufacturing Faculty Development Program (FDP)

To,
The Principals,
Bachelor of Engineering Colleges affiliated with GTU.

Recognizing the significance of Skill Based learning in preparing industry ready workforce, The Intel® AI for Manufacturing Certificate Program, created in collaboration with Gujarat Technology University (GTU), is a forward-thinking project intended to provide faculty with cutting-edge skills in artificial intelligence (AI) and its uses in manufacturing. This program uses a hybrid learning approach to close the knowledge gap between academia and industry so that real-world issues can be solved. The program includes thorough instruction, practical training, and real-world projects.

The Intel® AI for Manufacturing Faculty Development Program (FDP) aims to enhance faculty technical expertise in AI technologies relevant to manufacturing. It fosters industry collaboration to develop AI-driven solutions for real-world manufacturing challenges. Additionally, trained faculty members will mentor students during Intel's AI for Manufacturing training and support them throughout their summer internships(SI) / Skill-based training (SBT), ensuring a practical and impactful learning experience.

This FDP is organised as prerequisite to offer "Intel® AI for Manufacturing" certification program to be offered to students of Semester-6 (BE –all branches for AY 2024-2025), which will also have integration to Summer Internship (Skill based Training) subject code: 3170001 during the gape of semester 6 and 7 in year 2025.

Aiming to the same, GTU and Intel Technology are planning a Faculty Development Program for the faculty members of GTU affiliated colleges as per below given details.

Winner of : "4 Star rating in GSIRF (Gujarat State Institutional rating Framework) Published by KCG, Dept. of Education Govt. of Gujarat" ❖ "GTU Ranked 71 in Pharmacy Category in NIRF-2023" ❖ "Green University Accreditation in Platinum Ranking for 2021-2023" ❖ "1" rank Among All Universities in Gujarat 2020 by Uni Rank"

Head Office : GTU Campus, Nr. Visat Three Road, Visat-Gandhinagar Road, Chandkheda, Ahmedabad-382424. Gujarat, India.

Ph : +91 079-23267521/570

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To effectively introduce certification courses to most of Semester 6 students for Academic Year 2024-25, as part of their training and subsequent summer internships (Skill-Based

Training), it is crucial to ensure that the faculty members of the relevant branches possess the necessary technical expertise.

FDP Schedule

Sr no	Activities	QR Code for Registration	Tentative Date
1	Faculty Registration Link: https://bit.ly/intel-ai4orfw-gtu		Till 20 Dec, 2024
2	Online Faculty Development Program (4 hour)		Dec 2024 (Tentatively 21 /12/2024)
3	Hands-on Practical Learning Session, Certificate Ceremony & Welcome Kit Distribution at GTU campus (3 hours)		To be announced shortly (As per registration counts)

Topics to be covered in FDP:

1. Introduction to AI for Manufacturing	2. Introduction to AI for Manufacturing
3. Project Cycle for Manufacturing	4. Handling data
5. Modeling & Evaluation	6. AI Project deployment
7. Computer Vision	8. Predictive Maintenance
9. Robotic Process Automation	10. Inferencing on Edge
11. Demand Forecasting	12. AI Ethics and Responsible AI
13. Project development for students	14. Profile Building & Presentation
15. Industry Relevant AI Project for students - I	16. Industry Relevant AI Project for students - II

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Benefits of FDP to all GTU Faculties

- Intel AI Experts will conduct a Hybrid FDP for GTU faculties to enhance their skills in the sector of AI in Manufacturing without any cost.
- All the participating faculties will be awarded with a Certificate, Welcome Kit & Certified Trainer badge by Intel.
- This program is branch agnostic and designed for anyone interested in solving real-world problems using Artificial Intelligence. As such, the Faculty Development Program (FDP) is open to all faculty members across engineering disciplines. Offline FDP training will accommodate a maximum of 200 participants, with selection based on a first-come, first-served basis.

In case of any enquiry, the institute may contact to GTU SKILLS / ITAP section, GTU through:-

>>>> GTU SKILLS Email ID: skills@gtu.edu.in / 079-23267672 <<<<

>>>> GTU ITAP Email ID: itap@gtu.edu.in / 079-23267550 <<<


Registrar 16/12/24

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