



"Techno-social Excellence"
Marathwada Mitra Mandal's
INSTITUTE OF TECHNOLOGY (MMIT)
Lohgaon Pune 411047
Approved By AICTE, New Delhi
recognised by DTE Maharashtra
Affiliated to Savitribai Phule Pune University



Accredited With "A" Grade By NAAC

Department of Artificial Intelligence and Data Science

"Excellence in the field of Artificial Intelligence and Data Science"



"AI: Intelligent Solutions for a Changing World."

VISION & MISSION OF INSTITUTE

VISION

“Techno-Social Excellence”

MISSION

- Enhance technology transfer
- Implement entrepreneurship
- Promote global competency
- Integrate innovative pedagogy
- Create excellent human resource

VISION & MISSION OF DEPARTMENT

VISION

“Excellence in the field of Artificial Intelligence and
Data Science”

MISSION

- To encourage the students for learning various AI & DS based tools & techniques
- To groom students technologically superior
- To train students in a way to meet the needs of society

MESSAGE FROM HEAD OF DEPT.

I am delighted to present the latest edition of our departmental newsletter. As we move forward into another promising month, I would like to take this opportunity to acknowledge and appreciate the collective efforts that contribute to our department's continued progress. This edition features highlights of our recent projects, updates on key departmental initiatives, and recognition of the valuable contributions made by our colleagues. The newsletter aims to keep everyone informed, promote the sharing of ideas, and celebrate the achievements within our department. I sincerely thank all my colleagues for their dedication, hard work, and commitment, which continue to drive the department forward and maintain its steady growth.



- Dr. Jyoti Y. Deshmukh (HoD, AI & DS)

EDITOR'S VIEW

I am delighted to extend a warm welcome to you all as we embark on another exciting journey through the pages of our monthly newsletter.

As the editor, I am continually inspired by the wealth of talent, creativity, and passion that our contributors bring to the table. This newsletter is not just a collection of articles; it's a showcase of our ideas, our achievements, and our dedication to our shared goals.

-Ms. Rucha A. Agrawal (Asst. Prof)

Upskill Course C++



The Upskill Course on Basics of C++ is designed to provide learners with a comprehensive introduction to one of the most powerful and widely used programming languages. C++ serves as the foundation for system programming, game development, and high-performance applications, making it an essential skill for aspiring programmers. This course covers fundamental concepts such as syntax, variables, data types, control structures, functions, arrays, pointers, and file handling, along with an introduction to object-oriented programming (OOP) principles like classes, inheritance, and polymorphism. Through a structured learning approach with hands-on exercises and real-world coding examples, participants will develop problem-solving skills and gain confidence in writing efficient C++ programs.

Attendee: 20 Students (TE AI & DS)

Date: 20/01/2025 to 30/01/2025

Total Course Hours: 10 Hrs.

Mode of conduction: Offline

IIC - Expert Lecture on Process of Innovation Development, Technology Readiness Level (TRL), and Commercialization of Lab Technologies & Tech- Transfer



The poster is for an expert lecture. At the top left is the Marathwada Mitramandal's Institute of Technology logo with the motto "येथे बहुतांचे हित". At the top right is the Institution's Innovation Council logo, noted as a Ministry of HRD Initiative. The text "Techno-Social Excellence" is above the institute's name. Below this, it says "DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE". The main title of the lecture is "Expert Lecture On 'Process of Innovation Development, Technology Readiness Level (TRL), Commercialisation of Lab Technologies & Tech-Transfer'". To the left of the title, the date "24th January 2025", time "2:30 PM", and "ONLINE MODE" are listed with corresponding icons. To the right is a photo of Mrs. Dipti Pandit speaking at a podium. Below her photo is her name and title: "MRS. DIPTI PANDIT, PRESIDENT OF MINISTRY OF EDUCATION'S INSTITUTE INNOVATION COUNCIL FOR VIIT". At the bottom, three names are listed: "DR. JYOTI Y. DESHMUKH, MS. APARNA S. LAHANE, MS. VIDYA E. KADAM" with "CO-ORDINATOR" below; "DR. JYOTI Y. DESHMUKH" with "HOD (AI&DS)" below; and "DR. RUPESH. V. BHORTAKE" with "PRINCIPAL" below.

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Lohgaon, Pune

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

Expert Lecture
On
"Process of Innovation Development, Technology Readiness Level (TRL), Commercialisation of Lab Technologies & Tech-Transfer"

24th January 2025
2:30 PM
ONLINE MODE

MRS. DIPTI PANDIT
PRESIDENT OF MINISTRY OF EDUCATION'S
INSTITUTE INNOVATION COUNCIL FOR VIIT

DR. JYOTI Y. DESHMUKH
MS. APARNA S. LAHANE
MS. VIDYA E. KADAM
CO-ORDINATOR

DR. JYOTI Y. DESHMUKH
HOD (AI&DS)

DR. RUPESH. V. BHORTAKE
PRINCIPAL

The expert session on "Process of Innovation Development, Technology Readiness Level (TRL), and Commercialization of Lab Technologies & Tech-Transfer" was organized to bridge the gap between academic research and industry requirements.

The details of the Training Program are as follows:

Time: 2:30 PM to 4:00 PM

Date: 24th January 2025

Mode: Online Mode

Resource Person: Mrs. Dipti Pandit (President of Ministry of Education's Institute Innovation Council for VIIT, Pune, IEEE Student branch counselor, advisory member of the Incubation center of VIIT, Pune)

Expert Lecture on Youth Leadership and Career development under the viksit Bharat program to empower youth of Maharashtra



Exploring job market trends and in-demand skills across different industries. The impact of digital transformation on career development.

1. Enhanced Leadership Awareness: Participants gained a deeper understanding of essential leadership qualities such as decision-making, teamwork, and communication.
2. Improved Career Planning Skills: Students learned to set SMART career goals and identify growth opportunities aligned with their interests.
3. Development of Soft Skills: Attendees improved their adaptability, problem-solving abilities, and emotional intelligence, which are crucial for professional success.
4. Better Understanding of Industry Trends: Insights into emerging career opportunities and industry demands helped students align their skill sets with market needs.
5. Practical Knowledge on Career Advancement: The session provided guidance on resume building, interview preparation, and professional networking.
6. Increased Confidence in Career Decisions: Attendees felt more prepared and motivated to take leadership roles and make informed career choices.

The lecture successfully empowered students with the knowledge and skills needed to build strong leadership qualities and develop a structured career path.

Bootcamp On Accelerator BootCamp in Augmented and Virtual Reality in association with C-DAC



Accelerator BootCamp in Augmented and Virtual Reality program in association with C- DAC scheduled from 30th & 31st January 2025 (2 Days), which includes hands-on sessions and the objective of this boot camp is to create a re-skilling ecosystem in emerging and futuristic technologies in order to facilitate continuous enhancement of skills.

The details of the Training Program are as follows:

Time: 10:30 AM to 03:30 PM

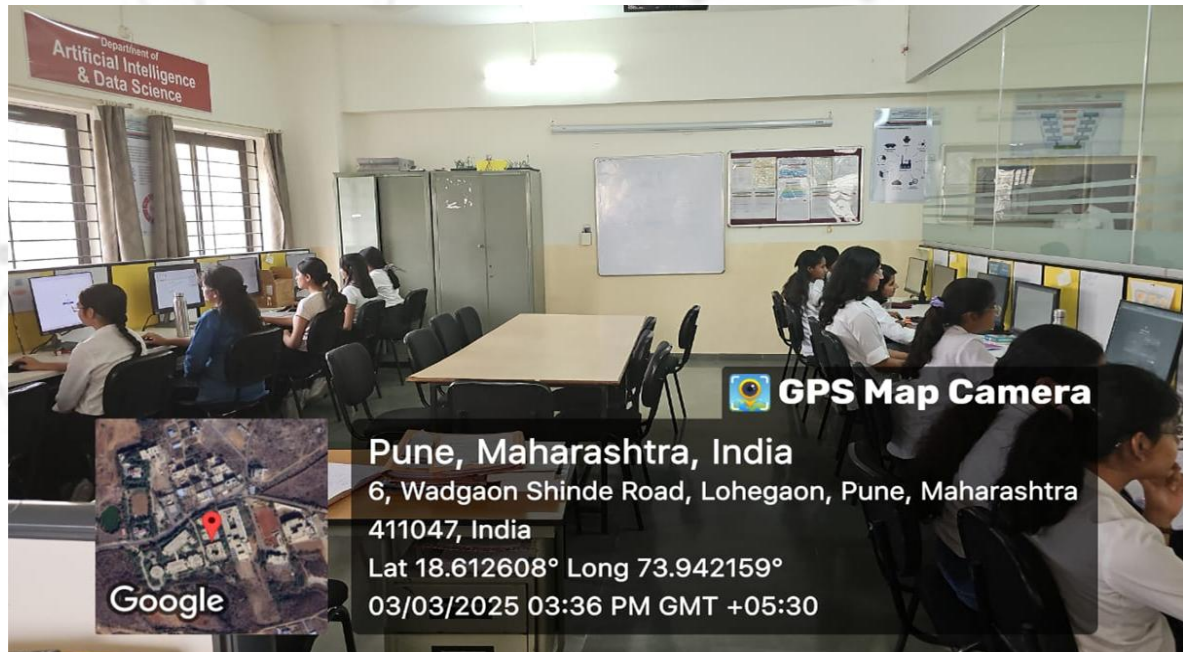
Date: 30th and 31st January 2025

Mode: Offline Mode

Resource Person: Mr. Atiq Shaikh Project Engineer C-DAC

Mr. Mayur Thakare Expert Trainer C DAC.

Training Program on Microsoft "Code without Barriers" Program for Girls / Women



Learners gained the ability to design and implement AI-driven solutions, including document supervision, computer vision, natural language processing, document intelligence, and generative AI using Azure and OpenAI tools. Additionally, they developed practical skills in integrating Microsoft Copilot with Microsoft 365 applications to automate workflows and enhance productivity. The program fostered an understanding of responsible AI practices and enabled participants to build real-time, data-driven applications, preparing them for roles in modern AI-enabled environments.

Grocery Donation at Santulan Bhavan Orphanage



Grocery Donation to orphanage was organized to support the residents of Santulan Bhavan. It was a heartfelt initiative dedicated to support children in need. This event is about providing essential food supplies. It is all about spreading love, care, and hope to the young hearts who deserve a brighter future in Santulan Bhavan Kharadi Pune. This activity was arranged by the Department of Artificial Intelligence & Data Science.

Date: 08/02/2025

Venue: Santulan Bhavan, Kharadi Pune

3 Days Competition on Inter/Intra Institutional Idea Competition/Challenge/Hackathon



The "Inter/Intra Institutional Idea Competition / Challenge / Hackathon and Reward Best Ideas" event successfully provided a platform for students to showcase their creativity, critical thinking, and problem-solving skills. Participants gained hands-on experience in transforming innovative ideas into working prototypes, refining their projects based on expert feedback. The event fostered collaboration, technical expertise, and entrepreneurial thinking among students, encouraging them to develop real-world solutions for contemporary challenges. Additionally, it strengthened industry-academia interaction, enhanced students' confidence in presenting their work, and motivated them to pursue further research and innovation. The best ideas and projects were recognized, ensuring continued encouragement for budding innovators.

05 Days Industrial Visit To ISRO



Objectives of Visit

- Educational Enrichment: To provide students with practical insights into satellite technology and space missions.
- Industry Interaction: To enable students to interact with professionals in the field of space research and understand their work environment.
- Inspiration: To inspire and motivate students to pursue careers in space research and technology.

U R Rao Satellite Centre. Bengaluru. Karnataka