



"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)

Ideation Workshop for Smart India Hackathon



The Institution's Innovation Council (IIC) and Society for Data Science organized "Ideation Workshop for Smart India Hackathon" on 23rd August 2024 at MMIT, Lohgaon, Pune by the resource person Mr. Ameya S. Kshirsagar. IIC and Society for Data Science hosted a session for students and faculties from different departments to build awareness about the SMART INDIA HACKATHON and their importance. The session also emphasizes the information about how to select an area, problem statement to participate in SIH. The session was conducted by a Senior Program Manager from EATON Pvt. Ltd., Pune who shared his industry & innovation experience about the problem statement to implement real time applications as a business idea and the proposed solution that solves that problem. There are times when a company solves a real problem and develops a good solution. Then, the session continues with the copyright and Patent which is about validating the problem statements for the product or service.

SB4C SKILLS BUILD BOOT CAMP



IBM SkillsBuild for College Program is an initiative by IBM that aims to provide students with essential technical skills and training to enhance their employability and prepare them for the industry. The program offers a range of online courses and resources designed to develop technical and hands-on project experience and professional skills.

Key features of the Skills Build for College Program include:

Courseware: Access to courseware that offers the foundation for technology jobs of tomorrow, including emerging technologies, data science, cyber security, artificial intelligence, and cloud computing. Access to IBM Cloud and Software: Enhanced access to the IBM Cloud and select cloud-based resources, applications, and software used in present-day jobs

Hands-on Projects: The program includes practical assignments and projects that enable students to apply their knowledge and gain hands-on experience in real-world scenarios.

ENGINEERS DAY



The event commenced with a central inauguration ceremony. During the inaugural speech, the Head of the Department addressed the students, encouraging them to take Bharat Ratna Sir, L.I. Visvesvaralta as their role model. Following tire inauguration, all participants reported to their respective venues, and the events began simultaneously. The Department of Artificial Intelligence & Data Science organized several technical and non-technical events, including:

- BGMI Tournament
- Bug Bounty
- General Quiz
- Retracer

EXPERT LECTURE ON “Generative AI”



Generative AI is an advanced field of AI that empowers students to enhance creativity and problem-solving by enabling them to design innovative solutions across various fields. Generative AI refers to a type of artificial intelligence that can create new content, such as text, images, music, and even code. Based on the patterns it has learned from data. Unlike traditional AI, which focuses on analyzing and predicting. Generative AI models (like GPT) generate original outputs, often with creative applications. It is transforming industries by enabling personalized content creation, automating complex tasks and enhancing innovation in fields like art, research, and design.

Details of the lecture:

Date: 24th September 2024

Time: 11 am

Speaker: Mr- Atul Belgeri, An Academia-Industry-Entrepreneur with extensive experience (around 72 years) in the Corporate World and Academia across India and Asia-Pacific region.

Expert Session On “Project Guidelines, Implementation, Research Orientation & Publication Ethics”



This seminar will provide valuable insights into effective project management, implementation strategies, and research methodologies. We encourage all BE students to attend and get benefitted from Dr. Nilesh P. Sable sir's experience and guidelines. The topic "Project Guidelines, Implementation, Research Orientation & Publication Ethics" covers the critical components required for the successful completion of academic projects and the responsible conduct of research. This comprehensive framework aims to provide students with a structured approach to handling their final-year projects, from initial concept to execution, and helps in building a strong foundation in research methodologies and ethical practices.

The details of expert session are as follows:

Date: 23rd September 2024

Time: 10:30 AM.

Mode: Offline Mode

Resource Person: Dr. Nilesh P. Sable (Associate Professor and Head, Department of Computer Science & Engineering (Artificial Intelligence), VIIT, Pune)

ADD ON COURSE- “Java Full Stack Development”



This Program is intended to assist college graduates from specific branches - to be employment ready for careers in technical (programming, software, IT related) roles in IT/ITES and allied organizations in the formal sector. This program implemented by TNS India Foundation (TNSIF) is supported by some of the largest corporate organizations in the IT/ ITES and allied sectors under their CSR initiatives. India Foundation. The first two days of training sessions will be conducted offline at our MMIT college campus and the remaining sessions will be conducted online.

Date and Venue:

25th September 2024: Classroom E-104

26th September 2024: Classroom E-101

Online Seminar on “Java Web Development: From Servlets to Modern Frameworks”



Java has been a dominant language in the web development landscape for decades. From its early use in servlets to its current adoption of modern frameworks like Spring Boot, Java has evolved to meet the demands of high-performance, scalable, and secure web applications. This seminar aims to take students through the journey of Java web development, tracing its roots and discussing its current and future relevance in modern enterprise applications. This seminar will provide valuable insights in providing a clear understanding to create, test, and deploy applications and a comprehensive understanding of web development with Java and its significance in Java development using modern frameworks.

The details of expert session are as follows:

Date: 10th October 2024

Time: 10:45 AM

Mode: Online Mode

Resource Person: Mr. Nilesh G. Kumbhar, Full Stack Developer (Java, React), Shekru Labs India Private Limited, Pune.

Industrial Visit at “NITS Global PVT LMD”



NITS GLOBAL is a Cloud development industry/Training institute specialized in cutting edge technologies demanded in today IT trend. Based on the market research here are the top demanded IT & Network Technology course CCNA Course, CCNP Certification, CCIE Certification, Cyber Security Courses. 35+ fully loaded racks with Routers, Switched, Gateways, Firewalls, Servers, IP Telephony, and Storage etc. NITS GLOBAL known for CCNA, CCNP Certification, CCIE Certification, Cyber Security, Checkpoint, Paloalto Firewall Cloud Certification Provider. NITS GLOBAL started at 2007 and has completed 17 glorious years of Cisco Network & Technology training excellence. NITS GLOBAL has been providing training to across India students as well as foreign students of Global standards and making them capable for real industrial challenges.

Organization Details:

Name of Enterprise: NITS GLOBAL Pvt. Ltd. J. M. Road, Shivajinagar, Pune

Organization Type: Private Limited

Year of Incorporation: 2007

FDP ON

Exploratory Data Analysis: Techniques and Tools

One Week Faculty Development Program (FDP) On "Exploratory Data Analysis: Techniques and Tools" (December 23 to 28, 2024) Name: _____ Designation: _____ Department: _____ Organization/Institute: _____ Address: _____ _____ Mobile No: _____ Email: _____ ✓ Open for Academician, Research Scholar & Industry Persons ✓ Two sessions per day Registration Link: https://forms.gle/5B4m64NmM34n91jp7 Last Date of Application Submission: 22nd December 2024.	CHIEF PATRON Shri. S. D. Ganage President, MMM, Pune Prin. B. G. Jadhav Executive President, MMM, Pune Shri. K. H. Mungale Secretary MMM, Pune PATRON Dr. Rupesh V. Bhortake Principal, MMIT CONVENOR Dr. Jyoti Y. Deshmukh Associate Professor HoD AI&DS Department COORDINATOR Dr. Shrikant D. Dhamdhare Associate Professor AI&DS Department ORGANISING COMMITTEE • Dr. Babaso Shinde • Dr. Kiran Gaikwad • Mr. Nisar S. Shaikh • Mrs. Rucha A. Agrawal • Mr. Swapnil M. Gagare	• Ms. Savitri P. Mane • Mrs. Jyoti P. Nawade  “ वेद्ये बहुलांचे हित ” Marathwada Mitra Mandal's Institute of Technology (MMIT), Lohgaon, Pune NAAC Accredited with Grade "A" One Week Faculty Development Program (FDP) on "Exploratory Data Analysis: Techniques and Tools" December 23 to 28, 2024 (Online Mode) IN ASSOCIATION WITH 
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The Faculty Development Program (FDP) on "Exploratory Data Analysis: Techniques and Tools" was conducted on 23rd December to 28th December 2024, with the aim of equipping faculty members with essential skills and knowledge in the field of data analytics. This program focused on introducing participants to the fundamentals of data analysis, emphasizing techniques and tools that are critical for effective data exploration and decision-making. The FDP was designed to provide a comprehensive overview of Exploratory Data Analysis (EDA), including key modules such as "Introduction to Data Analytics" and "Data Collection and Cleaning."