



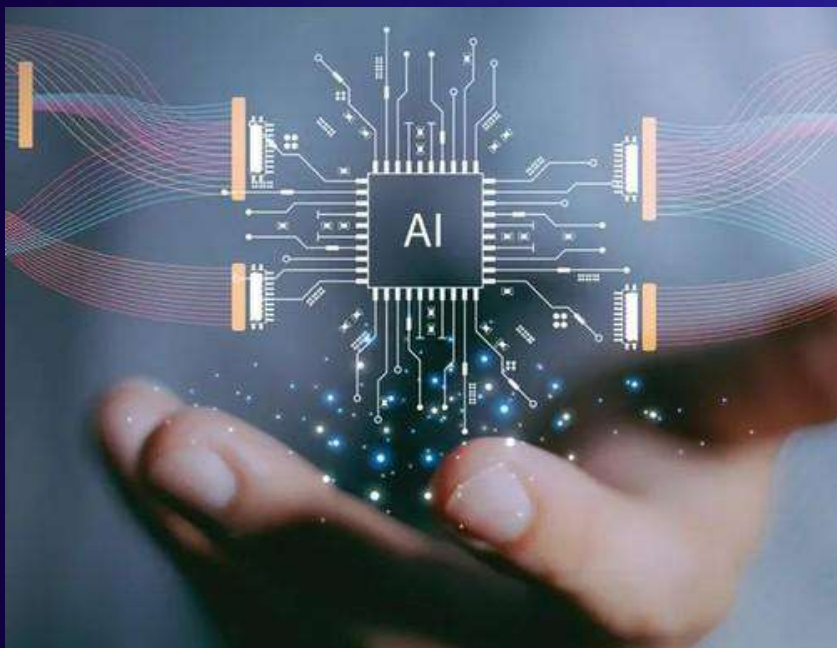
Dr. D. Y. PATIL EDUCATIONAL FEDERATION'S
Dr. D. Y. PATIL COLLEGE OF ENGINEERING AND INNOVATION
VARALE, TALEGAON DABHADE, 410507



Artificial Intelligence and Data Science

AILYTICS

Unraveling Data, Unlocking Intelligence



*An AIDS
Departmental
Newsletter
Volume III-Issue 1*

2K25



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
is pleased to declare*

*Dr. D. Y. Patil College of Engineering and Innovation
Varale, Talegaon, Pune,
affiliated to Savitribai Phule Pune University, Maharashtra as
Accredited*

*with CGPA of 3.10 on four point scale
at A grade
valid up to December 31, 2029*

Date : January 01, 2024



[Signature]
Director

EC(SC)/179.1/1st Cycle/MHCOGN113416

Department Vision

To prepare globally acceptable professionals in the field of Artificial Intelligence and Data Science having a desire to learn latest technologies, innovate and ethically progress.

Department Mission

- M1: Impart Value-base education by effective Teaching-Learning process to enhance the concepts Artificial Intelligence and Data Science.
- M2: Prepare AI and DS professionals to put their efforts in determining solutions for complex engineering problems of the society.
- M3: Inspire faculty and students to develop innovatively through continuous research activities.

HOD Desk



Prof. (Dr.) Dipannita Mondal

Postdoc Research Scholar (CSE), Ph. D, M E

Head, Department of Artificial Intelligence and Data Science

Greetings, Readers !!!

The publication of AILYTICS for the academic year 2024–2025 (Volume II) is truly an exciting moment. "Greatness is not built overnight; it is the result of countless small efforts woven together to create something truly impactful." AILYTICS as a combination of AI (Artificial Intelligence) and Analytics, representing the synergy between artificial intelligence and data-driven insights. It is a small yet significant step in the sea of innovation and knowledge.

I extend my heartfelt gratitude to all the faculty, staff, and students who have dedicated their time and effort in making this half yearly newsletter successful. This edition highlights the remarkable events organized by the Department of Artificial Intelligence and Data Science, as well as the outstanding achievements in academics, research, co-curricular, and extra-curricular activities of both students and faculty.

Happy Reading!

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STUDENT ACHIEVEMENTS

Academic Year: 2024-25

Mr. Raturaj Dharne, BE student, was chosen to work as an intern at Parallel Wireless India Pvt. Ltd. in Pune, receiving a monthly stipend of Rs. 21,000.



Academic Year: 2023-24

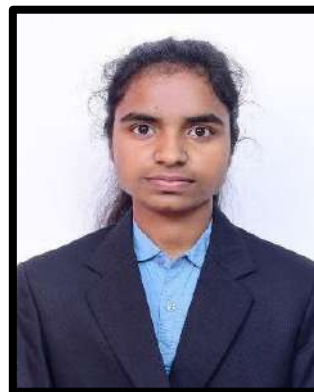
SECOND YEAR TOPPERS

<u>Sr. No.</u>	<u>Name</u>	<u>SGPA</u>
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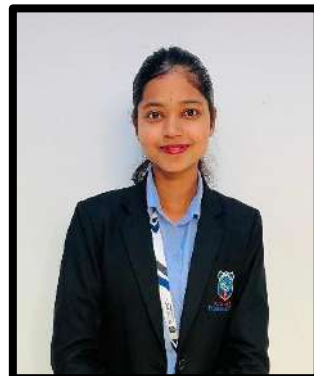
1.	PATIL AISHWARYA SAMBHAJI	9.66
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2. DEWADE ASHWINI DILIP 9.39



3. MANJARE VAISHNAVI SURESH 8.98



4. DORUGADE OMKAR
DAYANAND 8.91



5. BHARATE PRAFULLA
BALASAHEB 8.75



THIRD YEAR TOPPERS**Sr.**
No.**Name****SGPA**

1. BANGAR PRATIKSHA NITIN

9.43

2. DHARNE RUTURAJ
RAMCHANDRA

9.36



3. GOPHAN PRASAD SUNIL

9.31



4. KHOBRAGADE SHREYALI
RAVINDRA 9.26



5. BHANGE SHREYA NAGORAO 9.14



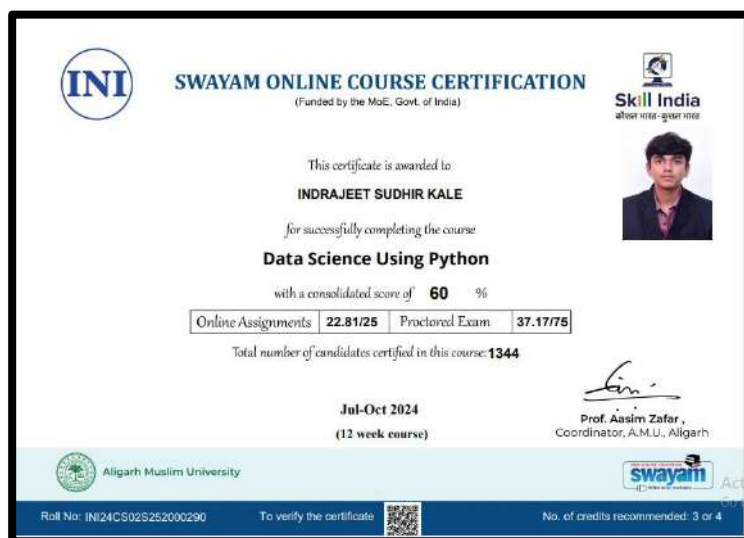
6. BOROLE DARSHANA DILIP 9.14



NPTEL CERTIFICATION

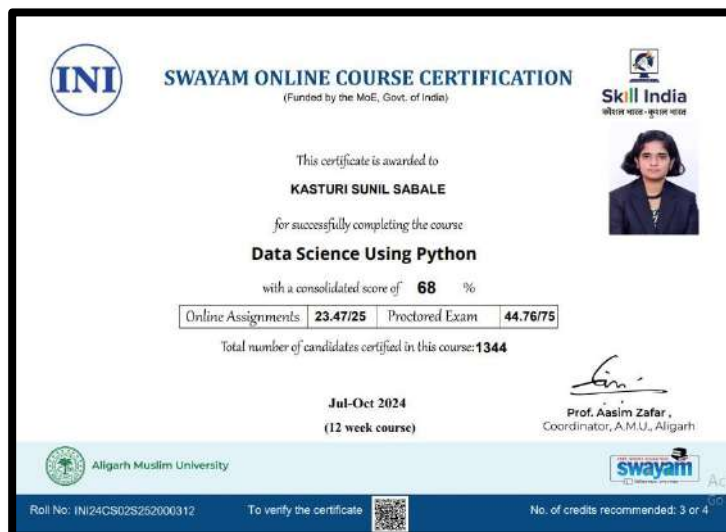
1. Indrajeet Sudhir Kale

Indrajeet Sudhir Kale successfully completed 12 week course July-October 2024 “Data Science using Python” with a score of 60% from Swayam Online Course Certification.



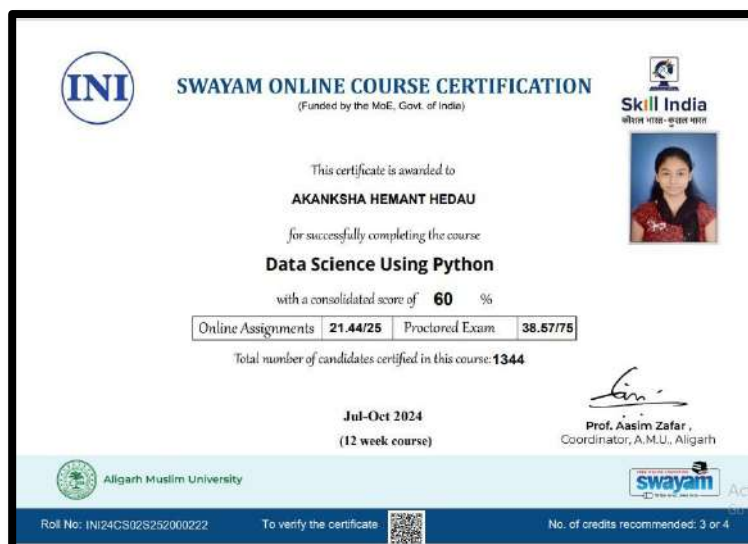
2. Kasturi Sunil Sabale

Kasturi Sunil Sabale successfully completed 12 week course July-October 2024 “Data Science using Python” with a score of 68% from Swayam Online Course Certification.



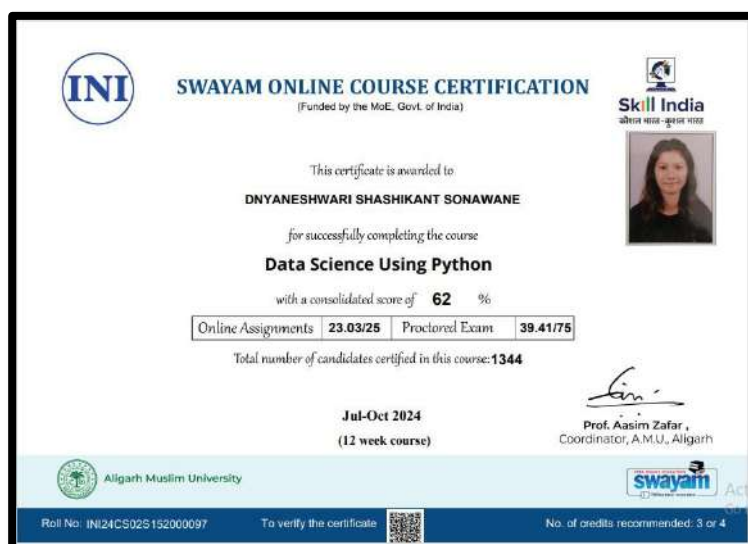
3. Akansha Hemant Hedau

Akansha Hemant Hedau successfully completed 12 week course July-October 2024 “Data Science using Python” with a score of 60% from Swayam Online Course Certification.



4. Dnyaneshwari Shashikant Sonawane

Dnyaneshwari Shashikant Sonawane successfully completed 12 week course July-October 2024 “Data Science using Python” with a score of 62% from Swayam Online Course Certification.



FACULTY ACHIEVEMENTS

On July 18, 2024, Prof. Mrs. Dipannita Mondal Madam, Head of the Department of AI&DS, successfully defended her PhD Viva Voce exam from Lincoln University College, Kuala Lumpur, Malaysia.



Celebrating a Milestone: Mrs Dipannita Mondal submitted Ph.D. Thesis in the field of Brain Communication and Brain Mapping.

Title of the Thesis: DESIGN OF HYBRID DIGITAL FILTER FOR ANALYSIS OF EEG SIGNALS FROM COMA PATIENTS

We are thrilled to announce that Mrs. Dipannita Mondal, IQAC Coordinator and Head, Department of Artificial Intelligence and Data Science a dedicated international doctoral candidate has successfully submitted her PhD thesis titled “ DESIGN OF HYBRID DIGITAL FILTER FOR ANALYSIS OF EEG SIGNALS FROM COMA PATIENTS” at Lincoln University College, Kuala Lumpur Malaysia which is having QS World Ranking of 199 and Asian Ranking of 48 in Quality Education. Her significant achievement marks the culmination of years of rigorous research and academic dedication in the field of brain-to-brain communication and mapping.

Motivation: Designing a hybrid digital filter for EEG signals from coma patients aims to enhance diagnostic accuracy and monitoring by effectively reducing noise and isolating critical features. By combining different filtering techniques, it provides real-time, customizable, and precise analysis tailored to individual patients. This approach improves the signal-to-noise ratio, aids in better neurological assessments, and informs treatment decisions, ultimately leading to improved patient outcomes. Furthermore, it drives technological innovation in digital signal processing and advances medical research, offering new insights into brain function and neurological conditions.

Published Patent on:

1. Title of the invention: SMART FRIDGE WITH ARTIFICIAL INTELLIGENCE DRIVEN BREAKFAST, LUNCH AND DINNER PREFERENCES

Mrs. Dipannita Mondal, IQAC Coordinator and Head, Department of Artificial Intelligence and Data Science, published her fourth patent entitled “SMART FRIDGE WITH ARTIFICIAL INTELLIGENCE DRIVEN BREAKFAST, LUNCH AND DINNER PREFERENCES”

Motivation:

The Artificial intelligence based shrewd cooler integrates progressed elements to reform the client experience and advance proficiency. Users can monitor and control the refrigerator in real time from anywhere with internet connectivity and an IoT server integration with an Android app. Key elements incorporate a smell sensor that identifies lapsed items, guaranteeing newness, mindfulness, and convenient removal. Fruits and vegetables that are stored are recognized by a built-in camera, allowing the app to provide recipe suggestions based on the ingredients that are available. This element limits food squander as well as gives helpful dinner thoughts. Besides, a weight balance framework shows the amount of put away organic products, supporting clients in settling on informed shopping for food choices. The shrewd fridge's natural plan and wise highlights make it easy to use, upgrading food stockpiling the executives and utilization proficiency in current kitchens.

(12) PATENT APPLICATION PUBLICATION	(21) Application No.202441034105 A
(19) INDIA	
(22) Date of filing of Application :30/04/2024	(43) Publication Date : 10/05/2024
(54) Title of the invention : SMART FRIDGE WITH ARTIFICIAL INTELLIGENCE DRIVEN BREAKFAST, LUNCH AND DINNER PREFERENCES	
(71)Name of Applicant : 1)Dr. S A Srakumar Address of Applicant :Associate Professor - ECE, Dr.N.G.P. Institute of Technology, Coimbatore. 2)Prof. Dipannita Mondal	

For Details visit : <https://search.ipindia.gov.in/IPOJournal/Journal/Patent>

2. Nanotechnology and Artificial Intelligence (AI) are revolutionizing cancer diagnostics by enabling the precise detection and analysis of nanoparticles in blood samples. Nanoparticles, which include biomarkers such as proteins, nucleic acids, and exosomes, play a crucial role in early cancer detection. This study explores the integration of nanotechnology for the isolation and characterization of these particles

with AI algorithms for data analysis. By employing machine learning models to interpret complex datasets, the approach facilitates accurate cancer prediction and enhances diagnostic sensitivity and specificity. This fusion of cutting-edge technologies promises a transformative impact on personalized medicine, offering early interventions and improved patient outcomes.

(12) PATENT APPLICATION PUBLICATION	(21) Application No.202441090434 A
(19) INDIA	
(22) Date of filing of Application :21/11/2024	(43) Publication Date : 29/11/2024
(54) Title of the invention : NANOTECHNOLOGY AND ARTIFICIAL INTELLIGENCE BASED ANALYSIS OF NANOPARTICLES IN BLOOD FOR CANCER PREDICTION	

- This innovation introduces a smart, AI-powered automated bus fare collection system designed to modernize public transportation payment processes by utilizing 6G networks and contactless smart card technology. The traditional fare collection approach, which depends on manual transactions, often faces challenges like handling exact change and delays in ticket processing. Our proposed system addresses these challenges by implementing a cashless, contactless fare collection mechanism where passengers use smart cards that are scanned by a reader. Upon scanning, travel details are input, and the fare amount is instantly deducted and transferred to the transport authority's account using the high-speed, low-latency capabilities of 6G networks.

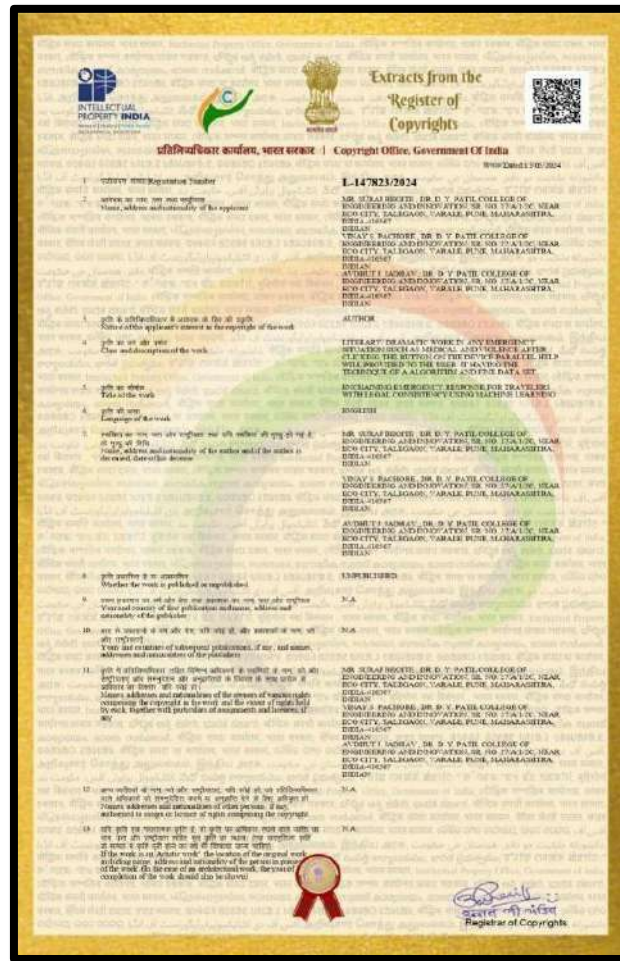
(12) PATENT APPLICATION PUBLICATION	(21) Application No.202441088462 A
(19) INDIA	
(22) Date of filing of Application :15/11/2024	(43) Publication Date : 22/11/2024
(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED AUTOMATED BUS FARE COLLECTION SYSTEM	

Filing a Copyright

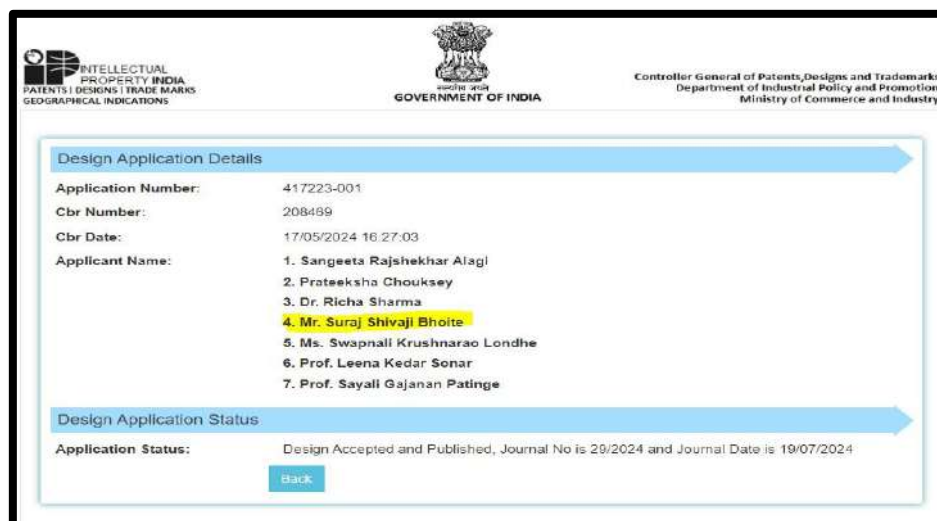
Mr. Suraj Bhoite, Assistant Professor, and **Vinay Pachore & Avdhut Jadhav (TE-AIDS Students)**, Department of Artificial Intelligence and Data Science filing a copyright on “**Enchaining Emergency Response for Travelers with Legal Consistency using Machine Learning**” at **21st March 2024**.

Diary Number	Class of Work	Title of Work	Applicant Name	Communication Address	Status
11401/2024-CO/L	Literary/ Dramatic	Enchaining Emergency Response for Travelers with Legal Consistency using Machine Learning	AVDHUT J. JADHAV	DR. D. Y. PATIL COLLEGE OF ENGINEERING AND INNOVATION, SR. NO. 27/A/1/2C, NEAR ECO CITY, TALEGAON, VARALE, PUNE, MAHARASHTRA, INDIA- -410507	Registered
11401/2024-CO/L	Literary/ Dramatic	Enchaining Emergency Response for Travelers with Legal Consistency using Machine Learning	MR. SURAJ BHOITE	DR. D. Y. PATIL COLLEGE OF ENGINEERING AND INNOVATION, SR. NO. 27/A/1/2C, NEAR ECO CITY, TALEGAON, VARALE, PUNE, MAHARASHTRA, INDIA- -410507	Registered
11401/2024-CO/L	Literary/ Dramatic	Enchaining Emergency Response for Travelers with Legal Consistency using Machine Learning	VINAY S. PACHORE	DR. D. Y. PATIL COLLEGE OF ENGINEERING AND INNOVATION, SR. NO. 27/A/1/2C, NEAR ECO CITY, TALEGAON, VARALE, PUNE, MAHARASHTRA, INDIA- -410507	Registered

Literary work of copyright, to create a Device by which we can save the life of the people on one click. The Device consists of a Camera, Transmitter, Audio Recorder, e-SIM Modulator, Automatic GPS Tracker, Two Helpline Buttons, OS(Advance), Battery, and Metal Frame. In any emergency situation (such as Medical and Violence) after clicking the button on the device parallel help will provided to the user. It having the technique of A* Algorithm (Finding Shortest Path) and a fine Data Set with the configuration of maps (location). Then the data set will pass those signals to the nearest resource. Requesting for help to the nearest resource found by the A* Algorithm on the approval of the request, Help is granted then the resources (Hospital or Police) reach the user with the required help.



Mr. Suraj Bhoite, Assistant Professor, Department of Artificial Intelligence and Data Science published Patent on “Blockchain Based Medical Data Storing Device” on 19th July 2024.





PARTICIPATION IN FDP

Mr. Suraj Bhoite

From 7th October 2024 to 12th October 2024, Mr. Suraj Bhoite, Assistant Professor of the Department of AI&DS, successfully completed One Week Faculty Development Program on “Generative AI” organised by Department of Computer Engineering, Pimpri Chinchwad College of Engineering and Research, Ravet, Pune.



From 2nd December 2024 to 6th December 2024, Mr. Suraj Bhoite, Assistant Professor of the Department of AI&DS, successfully completed One Week Faculty Development Program on “Generative AI and its Multidomain Use cases” organised by Department of Information Technology, Vishwakarma Institute of Technology, Pune.



Mrs. Asmeeta Mali : From 23rd December 2024 to 27th December 2024, Mrs. Asmeeta Mali, Assistant Professor of the Department of AI&DS, successfully completed One Week Faculty Development Program on “Mastering AI Tools for faculty Excellence” Organized in association with IEEE Computer Society Pune Chapter by Department of CSE - Artificial Intelligence & Department of CSE- AI&ML, Vishwakarma Institute of Information Technology, Pune.



From 23rd December 2024 to 28th December 2024, Mrs. Asmeeta Mali, Assistant Professor of the Department of AI&DS, successfully completed One Week Faculty Development Program on “Exploring Data Analysis: Techniques and Tools” Organized by Dept. of AI&DS, MMMs Institute of Technology, Lohgaon, Pune.



All faculties of Department of AS&DS participated in An Interdisciplinary Outreach workshop on Virtual Lab of IIT Bombay an initiative of Ministry of Human Resource Development, Govt. of India under Nodal Centre ID: 153 at D Y Patil College of Engineering, Akurdi, Pune on Tuesday, 3rd December, 2024.



PAPER PUBLICATIONS

- **Dr. Dipannita Mondal**

1. Dr. Dipannita Mondal, Head of department and Ishavar Sambhale, Atharv Mahajan and Shreyali Khobragade, Final Year students from Department of Artificial Intelligence and Data Science published paper entitled “**Breast Cancer Detection System using Machine Learning**” in International Journal of Scientific Research in Engineering & Management, Volume 08, Issue 10, October 2024.



- **Ms. Deepali Narwade**

1. Ms. Deepali Narwade, Assistant Professor and Kanhere Aditya Ambadas, Mulla Sahil Iqbal, Sanap Atish Balu and Patil Abhay Yuvraj, Final Year students from Department of Artificial Intelligence and Data Science published paper entitled “**LLM for Retail Business (Optimising Clothing Sales) using Artificial Intelligence**” in International Journal of Scientific Research in Science, Engineering and Technology, Volume 11, issue 5, September-October 2024.



2. **Ms. Deepali Narwade**, Assistant Professor and Pawale Omkar Rajaram, More Mayur Madhavrao and Jagnade Sachita Rohidas, Final Year students from Department of Artificial Intelligence and Data Science published paper entitled “**Dynamic Signature Forgery Detection using CNN and PCA**” in International Journal of Innovative Research in Science, Engineering and Technology, Volume 13, Issue 10, October 2024.



3. **Ms. Deepali Narwade**, Assistant Professor from Department of Artificial Intelligence and Data Science published paper entitled “**Leveraging Artificial Intelligence with Power BI for Enhanced Business Intelligence**” in International Journal of Innovative Research in Computer and Communication Engineering, Volume 12, Issue 10, October 2024.



- **Mr. Suraj Bhoite**

4. **Mr. Suraj Bhoite**, Assistant Professor and Kothavale Jayesh Mahendra, Pachore Vinay Subhash, Patil Aditya Sandip and Jadhav Avdhut Jaysing, Final Year students from Department of Artificial Intelligence and Data Science published paper entitled “**AI Driven Job Matching system and User Identification**” in International Journal of Innovative Research in Science, Engineering and Technology, Volume 13, Issue 10, October 2024.

5. Mr. Suraj Bhoite, Assistant Professor and Gore Akanksha Sanjay, Gophan Prasad Sunil, Totare Ganesh Dilip and Ithape Niranjana Rangnath, Final Year students from Department of Artificial Intelligence and Data Science published paper entitled “**Travel buddy Application using Machine Learning**” in International Journal of Scientific Research in Engineering & Management, Volume 08, Issue 10, October 2024.
6. Mr. Suraj Bhoite, Assistant Professor and Rooturaj Kalaskar, Aakansha kadam, Shreya Bhanghe and Mohini Dhanure, Final Year students from Department of Artificial Intelligence and Data Science published paper entitled “**A Blockchain-Powered Voting System for Enhanced Accuracy, Security, and Voter Confidence**” in International Journal of Scientific Research in Engineering & Management, Volume 08, Issue 10, October 2024.
- **Mrs. Asmeeta Mali**
7. Mrs. Asmeeta Mali, Assistant Professor and Sase Vedant Dilip, Patil Prasad Prakash, Gangurde Sunny Nivruti and Chaudhari Somesh Shesharao, Final Year students from Department of Artificial Intelligence and Data Science published paper entitled “**Smart-Agri Advisor: Data-Driven Crop Recommendations for Enhanced Productivity and Sustainability**” in International Journal of Scientific Research in Engineering & Management, Volume 08, Issue 10, October 2024.
8. Mrs. Asmeeta Mali, Assistant Professor and Dalvi Sakshi Milind, Mahajan Himanshu Nehru, Ranvita Ravindra Mathapati and Sonsale Manish Suresh, Final Year students from Department of Artificial Intelligence and Data Science published paper entitled “**Computer-Based Cognitive Rehabilitation Systems for Home-Based Training in Pediatric Populations with Developmental Disabilities**” in International Journal of Innovative Research in Science, Engineering and Technology, Volume 13, Issue 10, October 2024.
9. Mrs. Asmeeta Mali, Assistant Professor and Sannolli Rucha Sidram, Kakade Anuja Pradip, Nagarashi Sejal Vaibhav and Parth Deepak Palande, Final Year students from Department of Artificial Intelligence and Data Science published paper entitled “**From Data To Detection: Utilizing Machine Learning And CNN In Oral 00000Cancer**” in International Journal of Innovative Research in Science, Engineering and Technology, Volume 13, Issue 10, October 2024.

- **Mrs. Ifrah Sutar**

10. Mrs. Ifrah Sutar, Assistant Professor and GADADE AKSHAY DATTATRAYA, DEOKAR ABHAY DEVENDRA and DAREKAR RISHIKESH RAVASAHEB, Final Year students from Department of Artificial Intelligence and Data Science published paper entitled “**Blood Management System using Mern Stack**” in International Journal of Scientific Research in Engineering & Management, Volume 08, Issue 10, October 2024.

11. Mrs. Ifrah Sutar, Assistant Professor and MERGAL JAYSHREE SOPAN, DHUMAL GAYATRI RAMESHWAR, KHOMANE ADITYA NAVNATH, ADITYA K. and PANDIT TRIVENI SURESH, Final Year students from Department of Artificial Intelligence and Data Science published paper entitled “**AutoPod studio with enhanced AI Guide**” in International Journal of Innovative Research in Science, Engineering and Technology, Volume 13, Issue 10, October 2024.

- **Mrs. Sneha Bankar**

12. Mrs. Sneha Bankar, Assistant Professor and WADITKE RUCHITA NILUJI, SHEWALE PRIYANKA SUNIL, DHUMANE SANIYA VIJAY and MOJAD ADITYA DILIP, Final Year students from Department of Artificial Intelligence and Data Science published paper entitled “**Reducing Food Waste in Restaurant through Demand Foreccating**” in International Journal of Scientific Research in Engineering & Management, Volume 08, Issue 10, October 2024.

13. Mrs. Sneha Bankar, Assistant Professor and MORE PANDURANG BALAJI, NAVSUPE OMKAR RAVINDRA, KADAM SIDDHESHWAR PRAMOD and SUTAR SHUBHAM from Department of Artificial Intelligence and Data Science published paper entitled “**Leveraging Artificial Intelligence with Power BI for Enhanced Business Intelligence**” in International Journal of Advanced Research in Computer and Communication Engineering, Volume 13, Issue 09, September 2024.

- **Mrs. Mayuri Fegade**

14. Mrs. Mayuri Fegade, Assistant Professor and BANDPATTE PRATIK DEEPAK, MEDAR NEHA RAJU, DEVESH NARENDRA MAHAJAN and VISHAL AJAY WAGH, final year students from Department of Artificial Intelligence and Data Science published paper entitled “.**AI-Driven Mental Health Companion**” in International Journal of Advanced Research in Computer and Communication Engineering, Volume 13, Issue 09, September 2024.

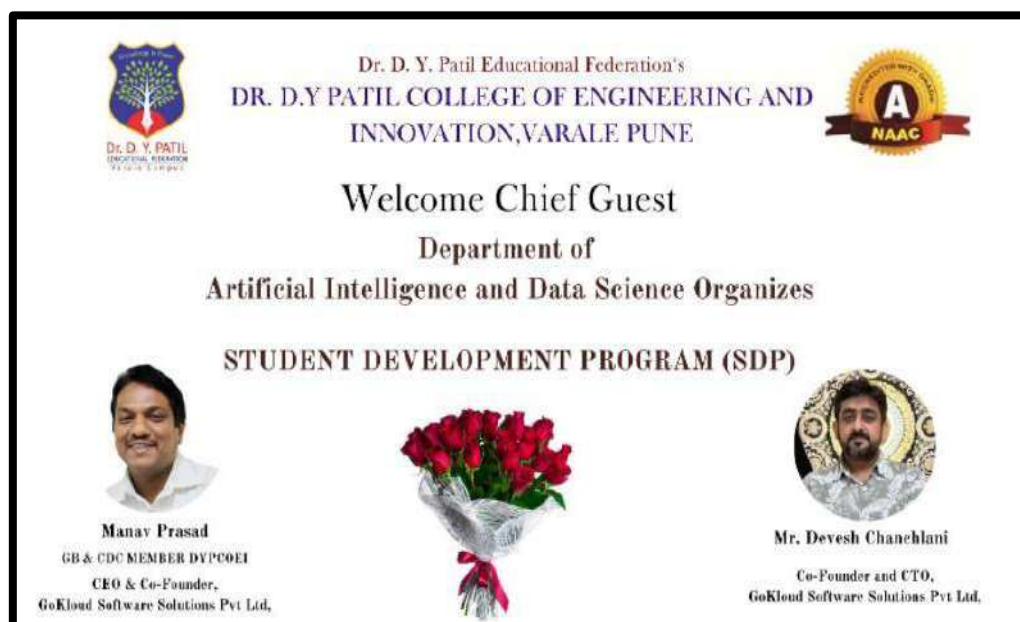
EXPERT SESSION ON “AI & DS CAREER PATHS, SKILLS, ROLES & OPPORTUNITIES”

Expert Session on “AI & DS Career Paths Skills, Roles & Opportunities in AI & DS” has organized by, DYPCOE&I, Varale, Talegaon, Pune on 25/06/2024. The session was attended by 50+ students from the Department of Artificial Intelligence and Data Science.

In this Expert Session they discuss us following points –

1. Overview of AI,
2. Key Areas in AI,
3. Career Opportunities in AI
4. Skills & Education Pathways,
5. Trends & Future of AI,
6. Q&A,
7. Conclusion

This session was Interactive and Students have enjoyed session delivered by both resource person Mr. Manav Prasad Sir (Online) & Mr. Devesh Chanchlani (Offline).



Flyer of Expert Session on AI & DS Career Paths, Skills, Roles & Opportunities



Sarswati Vandana by chief guest Mr. Devesh Chanchlani

EXPERT SESSION “Unlocking Cloud Computing and DevOps with AWS”

Mr. Prashant Narawade, Mr Tejas Joshi (Software Engineer, Winjit, Pune) delivered an Expert lecture on “Unlocking Cloud Computing and DevOps with AWS” on 13th July 2024.

Objectives of the session:

1. Student awareness about Cloud Computing.
2. Students should know the actual implementation and the working in Cloud Computing with real time projects.

Summary:

The session was attended by 120 + students from the Artificial Intelligence and Data Science Department.

In this Session following important topics are covered –

1. Introduction to Cloud Computing
2. Overview of AWS
3. Why AWS?
4. Introduction to DevOps

5. Key DevOps Tools
6. Integration with AWS

The interactive workshop led by industry experts Mr. Prasant Narawade and Mr. Tejas Joshi was well-received by the students.

Outcomes of the session:

1. Students Understood how to install a server for gaming, operating systems, and AWS services
2. Students understood how to work with real time projects in the IT industry.
3. Students learnt Unlocking Cloud Computing and DevOps with AWS.



Welcome to Mr. Prasant Narawade from Dr. Dipannita Mondal (Head, Department of AI&DS)



The audience listening to an Expert Mr. Prashant Narawade

EXPERT SESSION “Internship with Placement Program”

Title of the Activity:	Expert Session on “ Internship with Placement Program ”
Day and Date:	Wednesday, 28 th August 2024
Time:	10.00 AM To 12.00 PM
Venue:	Seminar Hall, DYPCOEI, Varale
Name of Speaker	Ms. Jenifer and Ms. Nishchitha
Organization of Speaker	QSpider
Category of the Activity:	Extra-Curricular
Objectives:	<ol style="list-style-type: none"> To provide quality training to help people build successful careers in the IT industry. To bridge the gap between the demands of the industry and the curriculum of educational institutions.
Summary Report:	<ul style="list-style-type: none"> Industrial Expert Session on “Internship with Placement Program” has organized by, DYPCOE&I, Varale, Talegaon, Pune. The session was attended by 40+ students from the Artificial Intelligence and Data Science Department. In this Session Ms. Jenifer and Ms. Nishchitha has introduced the concept of CSR. Ms. Jenifer has explained why we do internship as part of CSR? Also explained Internship work flow and how to get offer in different domain. Overall, this expert session, aim to bridge the gap between the demands of the industry and the curriculum of educational institutions. Additionally, after this session Ms. Jennifer conducted 3 rounds (Aptitude, GD, and HR round), and selected 12 students from AI-DS department for Internship.
No. of Students Participated:	40+ Students in Department of AIDS

Outcome:	<ol style="list-style-type: none"> 1. Students gained a comprehensive knowledge of CSR concepts. 2. Students learned about gap between the demands of the industry and the curriculum of educational institutions. 3. Students Got Selected for Free Internship at Qspider.
CO/ PO Attained	PO1, PO2, PO3, PO4, PO11, PO12
Name of the TNP Coordinator:	Mr. Suraj Bhoite



Honoring Our Chief Guest: A Moment of Gratitude and Celebration", HoD AI-DS, Dr. Alpana Adsul Mam has felicitate to our chief guest Ms. Jenifer.



Honoring Our Chief Guest: A Moment of Gratitude and Celebration", Dr. Dipannita Mondal Sir has felicitate to our chief guest Ms. Nishchitha.



Our Chief Guest Ms. Jenifer Introduced the concept of CSR.



Our Chief Guest Ms. Jenifer addressed the why we do internship as part of CSR.

EXPERT SESSION ON “DIGITAL MARKETING & DATA MINING”

Title of the Activity:	Expert Session on “ Digital Marketing & Data Mining ”
Day and Date:	Monday, 21 st Oct. 2024
Time:	11.00 AM To 01.00 PM
Venue:	Seminar Hall, DYPCOEI, Varale
Name of Speaker	Mr. Bharat Osawal
Organization of Speaker	CEO at BOOTREE
Category of the Activity:	Extra-Curricular
Objectives:	<ol style="list-style-type: none"> 1. To Provide a foundational understanding of digital marketing strategies and data mining techniques. 2. To Demonstrate how data mining can enhance digital marketing efforts by improving targeting, customer segmentation, and predictive analytics. 3. To Create an interactive environment where participants could ask questions, share experiences, and discuss the practical challenges of integrating digital marketing with data mining.
Summary Report:	<ul style="list-style-type: none"> • Industrial Expert Session on “Digital Marketing & Data Mining” has organized by, DYPCOE&I, Varale, Talegaon, Pune. • The session was attended by 40+ students from the Artificial Intelligence and Data Science Department. • In this Session - Mr. Bharat Osawal has introduced the basic concept actual understanding of digital Marketing & Data Mining. How to work on thinking of business, Change the mind, and Analysing of various buying pattern. • Additionally, Mr. Bharat Osawal explained what actual problems are around us, how to use your knowledge to find them and work for solution, and Make sure to use relevant information to find a solution and try to do digitalization. • Overall, this expert session aims to provide a Work on developing basic logic so that we can find problems around us, before gaining knowledge or skills, and how discipline and patience should be inculcate.
No. of Students Participated:	40+ Students in AIDS Department

Outcome:	<ol style="list-style-type: none"> 1. Students gained a comprehensive knowledge of Digital Marketing & Data Mining its concepts, technologies, and their applications, challenges and limitations. 2. Students learned about what actual problems are around us, how to use your knowledge to find them and work for solution. 3. Students are equipped with a work on developing basic logic so that we can find problems around us, before gaining knowledge or skills.
CO/ PO Attained	PO1, PO2, PO3, PO4, PO11, PO12
Name of the TNP Coordinator:	Mr. Suraj Bhoite



Honoring Our Chief Guest: A Moment of Gratitude and Celebration", HoD AI-DS, Dr. Dipannita Mondal Mam has felicitate to our chief guest Mr. Bharat Osawal.



Our Chief Guest Mr. Bharat Osawal, Introducing concept of Digital Marketing & Data Mining.



Our Chief Guest Mr. Bharat Osawal, Introducing what actual problems are around us, how to use your knowledge to find them and work for solution.



Our Chief Guest Mr. Bharat Osawal interacting with students on gaining knowledge or skills, and how discipline and patience should be inculcate.

EXPERT SESSION ON “Computer Graphics”

Title of the Activity:	Session on Computer Graphics
Day and Date:	Tuesday, 19 th November 2024
Time:	10.30 am to 01.30 pm
Venue:	Classroom 207
Name of Speaker	Mrs. Swati N. Firame
Organization of Speaker	Assistant Professor, SiTS, Narhe, Pune.
Category of the Activity:	Curricular
Objectives:	<ol style="list-style-type: none"> To understand and apply various methods and techniques regarding shading illumination and lighting. To understand the concept of curves and fractals.
Summary Report:	<ol style="list-style-type: none"> Session on “Computer Graphics” has organized by, Dept. of AI&DS, DYPCOE&I, Varale, Talegaon, Pune. The session was attended by 50+ students from the Department of Artificial Intelligence and Data Science. In this Session covered – <ul style="list-style-type: none"> Colour models, Illuminations, Shading Algorithms

	<ul style="list-style-type: none"> ○ Hidden surfaces ○ Curves ○ Fractals <p>4. The session was interactive and students discussed their doubts in session delivered by Mrs. Swati N. Firame.</p>
No. of Students Participated:	50+ Students from Department of AI&DS
Outcome:	<ol style="list-style-type: none"> 1. Students understood basic concepts of Colour models, Illuminations, Shading Algorithms and hidden surfaces. 2. Students gained brief knowledge about Fractals and Curves.
CO/ PO Attained	CO5, CO6
Name of the faculty Coordinator:	Ms. Deepali Narwade


DR. D. Y. PATIL EDUCATIONAL FEDERATION'S
DR. D. Y. PATIL COLLEGE OF ENGINEERING & INNOVATION

Expert Session on Computer Graphics

Organized by
Department of Artificial Intelligence and Data Science

Date : 19/11/2024 Tuesday Time: 10:30 am to 01:30 pm

Expert Speaker



Mrs. Firame Swati N.
Assistant Professor
Dept. of AI-DS
SITS, Narhe, Pune

Objectives of Session:

- To understand and apply various methods and techniques regarding shading illumination and lightning.
- To understand the concept of curves and fractals.

Outcomes of Session:

- Understand the concept of color models, lighting, shading models, and hidden surfaces.
- Create effective programs using curves and fractals.

Expert Session Flyer



Students listening to expert Mrs. Swati Firame

COURSE ENRICHMENT ACTIVITY

Title of the Activity:	Session on Business Communication Skills
Day and Date:	Thursday, 3 rd October 2024
Time:	11.30 am to 01.30 pm
Venue:	Classroom 208
Name of Speaker	Mr. Ramrao Ghuge
Organization of Speaker	Assistant Professor, Navsahyadri College of Engineering, Pune.
Category of the Activity:	Curricular
Objectives:	<ol style="list-style-type: none"> 3. To make the engineering students aware, about the importance, the role and the content of business communication skills. 4. To develop the ability of effective communication through individual and group activities.
Summary Report:	<ol style="list-style-type: none"> 1. Session on “Business Communications Skills” has organized by, Dept. of AI&DS, DYPCOE&I, Varale, Talegaon, Pune. 2. The session was attended by 61 students from the Department of Artificial Intelligence and Data Science. 3. In this Session covered – <ul style="list-style-type: none"> • Basic Public Speaking and its types. • Group discussion • Resume writing • Presentation Skill • Mock interviews 4. Session was Interactive and Students have enjoyed session delivered by Mr. Ramrao Ghuge.
No. of Students Participated:	61 Students from Department of AI&DS
Outcome:	<ol style="list-style-type: none"> 3. Students learned to communicate clearly and precisely, both in writing and speaking. They also learned to understand complex ideas and express them accurately. 4. Students learned how to develop and deliver effective presentations. 5. Students learned how to prepare for group discussion and mock interview. 6. Students learned how to write resume with essentials.
CO/ PO Attained	CO1, CO2, CO3
Name of the faculty Coordinator:	Ms. Deepali Narwade & Mrs. Asmeeta Mali



Flyer of CEA



Flyer of Expert Session of Mr. Ramrao Ghuge



Welcome of the expert Mr. Ramrao Ghuge by HoD Dr. Dipannita Mondal.



Session on Business Communication Skills by Mr. Ramrao Ghuge.



Students participated in Group Discussion with expert Mr. Ramrao sir.

Title of the Activity:	Session on Artificial Intelligence
Day and Date:	Monday, 21 October 2024
Time:	10.30 am to 01.30 pm
Venue:	Classroom 207
Name of Speaker	Mrs. Pranjali S. Bahalkar
Organization of Speaker	Assistant Professor, Dept. of AI&DS, Dr. D Y Patil Institute of Technology, Pimpri, Pune.
Category of the Activity:	Curricular
Objectives:	<ol style="list-style-type: none"> 5. To understand the concept of Artificial Intelligence (AI) in the form of various Intellectual Tasks. 6. To develop a mind to solve real world problems uncinventionally with optimality.
Summary Report:	<ol style="list-style-type: none"> 1. Session on “Artificial Intelligence” has organized by, Dept. of AI&DS, DYPCOE&I, Varale, Talegaon, Pune. 2. The session was attended by 55 students from the Department of Artificial Intelligence and Data Science. 3. In this Session covered – <ul style="list-style-type: none"> • Game Theory • Heuristic Alpha-Beta Tree search • Monte Carlo Tree search • Stochastic Games • Partially Observable Games • Constraint Satisfaction Problems(CSP) • Constraint Propogation: Interface in CSPs • Backtracking 4. Session was Interactive and Students have enjoyed session delivered by Mrs Pranjali Bahalkar.
No. of Students Participated:	55 Students from Department of AI&DS
Outcome:	<ol style="list-style-type: none"> 7. Students got complete overview of game theory as a mathematical framework used for analysing strategic interactions among rational decision-makers. 8. Students understands Heuristic Alpha-Beta Tree Search, Monte Carlo Tree Search, Constrain Satisfaction Problems (CSPs) with limitations. 9. Students learned how to solve problems on different adversarial search and games.
CO/ PO Attained	CO3, CO4
Name of the faculty Coordinator:	Ms. Deepali Narwade & Mrs. Asmeeta Mali





Felicitation of the expert speaker Mrs. Pranjali Bahalkar by HoD Dr. Dipannita Mondal and faculty coordinator Ms. Deepali Narwade



Students interacting with expert Mrs. Pranjali Bahalkar

Title of the Activity:	Session on “Web Services & Server Side Scripting Languages In Java”
Day and Date:	Saturday, 05 st Oct 2024
Time:	02.30 pm to 05.30 pm
Venue:	A-207
Name of Speaker	Mr. Kalpesh Chaudari
Organization of Speaker	Software Engineering Cognizant, Pune.

Category of the Activity:	Co- Curricular
Objectives:	<ol style="list-style-type: none"> 4. To understand the web services and frameworks. 5. To use the server side technologies in web development.
Summary Report:	<ul style="list-style-type: none"> • Session on “Web services & server side scripting languages in java” has organized by, DYPCOE&I, Varale, Talegaon, Pune. • The session was attended by students from the TE Artificial Intelligence and Data Science Department. • In this Session covered – <ul style="list-style-type: none"> ○ Server side scripting languages ○ PHP in Detail & ASP.NET, Node.js Overview • Session was Interactive and Students have enjoyed session delivered by Mr. Kalpesh Chaudari.
No. of Students Participated	46 Students from TE AI-DS Department
Outcome:	<ol style="list-style-type: none"> 1. Create the effective web application for business functionalities using latest web developments platforms. 2. Apply the sever side technologies for web development.
CO/ PO Attained	PO1, PO2, PO3,PO5,PO7,PO8,PO10
Name of the faculty Coordinator:	Ms. Sneha Bankar & Mrs. Asmeeta Mali
	
Welcome to Mr. Kalpesh Chaudari	Interactive Session on Web Technology by Mr. Kalpesh Chaudari

Title of the Activity:	Practical understanding of Database management-Transactions, Queries and their real world uses.
Day and Date:	Saturday, 5 th October 2024
Time:	9.45 am to 12.45 pm
Venue:	Classroom 207
Name of Speaker	Mr. Tejas Joshi
Organization of Speaker	Software Developer Engineer-II, Convertcart, Pune
Category of the Activity:	Curricular
Objectives:	<ol style="list-style-type: none"> 1. Understanding database transactions, locking methods and query optimizations. 2. The working of database transaction, their importance and different query optimizations techniques.
Summary Report:	<ol style="list-style-type: none"> 1. Session on “Practical understanding of Database management-Transactions, Queries and their real world uses.” has organized by, Dept. of AI&DS, DYPCOE&I, Varale, Talegaon, Pune. 2. The session was attended by 55+ students from the Artificial Intelligence and Data Science Department. <p>The Expert lecturer is completed the following important topics:-</p> <ul style="list-style-type: none"> • Transaction -> Process of transaction • Properties of Transaction -> ACID (Atomicity, Consistency, Isolation, Durability) • Transaction states -> Active, Failed, Partially committed, Committed, Aborted • Transaction schedule -> Serial schedule, Serializable schedule • Concurrent execution of transactions • Concurrency control, Concurrency control protocols • Locking methods • Lock Based Protocols • Deadlocks • Recovery Methods • Query Processing • Performance Tuning • Query Optimization <p>Content Beyond the Syllabus</p> <ul style="list-style-type: none"> • Using docker to start database server

	<ul style="list-style-type: none"> • Different types of databases • Using different libraries to connect to database in the backend server <p>Session was Interactive and Students have enjoyed session delivered by Mr. Tejas Joshi.</p>
No. of Students Participated:	55+ Students and 6 faculties from AI-DS Department
Outcome:	1) Understand how to apply Transaction Management concepts in real-time situations 2) Understand how to use NoSQL databases for processing unstructured data
CO/ PO Attained	PO1, PO2, PO3, PO4
Name of the faculty Coordinator:	Mr. Swapnil More & Mrs. Asmeeta Mali



Flyer



Expert Session by Mr. Tejas Joshi



Title of the Activity:	Expert Session on Industrial Revolutions in IOT & Introduction to Industry 5.0
Day and Date:	Saturday, 5th October 2024
Time:	10.00 am to 2.30 pm
Venue:	A208
Name of Speaker	Mr. Dinesh Bhadane
Organization of Speaker	Computer Science Engineering, JSPM University, Wagholi, Pune
Category of the Activity:	Curricular
Objectives:	<ol style="list-style-type: none"> 1. To understand Industrial Revolutions in IOT 2. To understand Introduction to Industry 5.0
Summary Report:	<ul style="list-style-type: none"> • Expert Session on “Industrial Revolutions in IOT & Introduction to Industry 5.0” has organized by, DYPCOE&I, Varale, Talegaon, Pune. • The session was attended by 29 students from the Artificial Intelligence and Data Science Department. • In this Expert Session – <ul style="list-style-type: none"> • Overview of Industrial Revolution in IOT • Privacy and Security requirements in IIOT • Security Components in IIOT • Application & Use cases in IIOT • Advantages & Disadvantages of Industry 4. 0 • Introduction to 5.0 • Session was Interactive and Students have enjoyed session delivered by both resource person Mr. Dinesh Bhadane.
No. of Students Participated:	29 Students from BE AI-DS
Outcome:	<p>the importance of security in IIOT and solutions to mitigate security risks</p> <ol style="list-style-type: none"> 1. Understand the importance of security in IIOT. 2. Understand different applications and use cases of IIOT. 3. Understand advantages and disadvantages of Industry 4.0. 4. Understand Industry 5.0.
CO/ PO Attained	PO1, PO2, PO3, PO4, PO5,PO12
Name of the faculty Coordinator:	Mrs. Asmeeta Mali

SKILL DEVELOPMENT: Pre-Placement Training

1. Industry Training on “Core Java”
2. Industry training on “Python”
3. Beyond Basics Python
4. Aptitude Training

Title of the Activity:	Industry Training on “Core Java ”
Day and Date:	Monday to Sunday, 10th June to 21th June 2024
Time:	10AM To 04.00PM
Venue:	Seminar Hall (106) Practical session Lab A(113) &A(110)
Name of Speaker	Mr. Yogesh Patil
Organization of Speaker	Giri's Tech Hub Trainer (Giri's Tech Hub Trainer)
Category of the Activity:	Extra-Curricular
Objectives:	To give students a basic introduction to programming and problem solving with the computer language Core Java.
Summary Report:	<p>Industry Training on “Core Java” has organized by, DYPCOE&I, Varale, Talegaon, Pune.</p> <p>The session was attended by 20+ students from the Artificial Intelligence and Data Science Engineering Department.</p> <p>In this training student solve python program assignment and Mini Projects.</p> <p>Session was Interactive and Students have enjoyed session delivered by resource person Mr. Yogesh Patil.</p>
No. of Students Participated:	26students
Outcome:	Inculcate and apply various skills in problem solving. Demonstrate significant experience with the Core Java program development environment.

Title of the Activity:	Industry Training on “Python”
Day and Date:	Monday to Friday, 10th June to 21th Jun 2024
Time:	10.00AM To 04.00PM

Venue:	A108, A202 Lab, A203 Lab, DYPCOE&I
Name of Speaker	Mr. Rakesh Chaure, Ms. Shivani Dang
Organization of Speaker	Gyanteerth
Category of the Activity:	Extra-Curricular
Objectives:	To give students a basic introduction to programming and problem solving with the computer language Python.
Summary Report:	<p>Industry Training on “Python” has organized by, DYPCOE&I, Varale, Talegaon, Pune.</p> <p>The session was attended by 30+ students from the BE-Artificial Intelligence and Data Science Engineering Department.</p> <p>In this training student solve python program assignment and Mini Projects.</p> <p>Session was Interactive and Students have enjoyed session delivered by resource person Ms. Namrata Sri Tiwari, Ms. Rutuja V Kature</p>
No. of Students Participated:	28 Students in AIDS Department
Outcome:	<p>Inculcate and apply various skills in problem solving.</p> <p>Demonstrate significant experience with the Python program development environment.</p> <p>Students create and manipulate Python programs by utilizing the data structures like lists, dictionaries, tuples and sets.</p> <p>Build basic programs using fundamental programming constructs like variables, conditional logic, looping, and functions.</p> <p>Students manipulate Python programs by utilizing the range() function.</p> <p>A built-in function in Python using which a sequence of numbers is generated within a given range</p>

Title of the Activity:	Pre-Placement Training Beyond Basics Python
Day and Date:	Monday to Friday, 10 th June to 21 th Jun 2024
Time:	10.00AM To 04.00PM
Venue:	A208, A102 Lab
Name of Speaker	Mr. Harshvardhan
Category of the Activity:	Extra-Curricular

Objectives:	To give students a basic introduction to programming and problem solving with the computer language Python.
Summary Report:	<p>Industry Training on “Python” has organized by, DYPCOE&I, Varale, Talegaon, Pune.</p> <p>The session was attended by 40+ students from the TE-Artificial Intelligence and Data Science Engineering Department.</p> <p>Session was Interactive and Students have enjoyed session delivered by resource person Mr. Harshvardhan</p>
No. of Students Participated:	50+ Students from AI-DS Department
Outcome:	To understand Inculcate and apply various skills in problem solving.

Title of the Activity:	Pre-Placement Aptitude Training
Day and Date:	Monday to Tuesday, 10 th June to 18 th Jun 2024
Time:	10.00AM To 04.00PM
Venue:	A208, DYPCOE&I
Name of Speaker	Mr. Pavan Nerniya
Organization of Speaker	Gyanteerth
Category of the Activity:	Extra-Curricular
Objectives:	<ol style="list-style-type: none"> 1. To give students a basic introduction to basic concepts of Aptitude Training. 2. To prepare student for employment, shaping their careers, fostering personal growth, and aiding in educational and professional decision-making. 3. Aptitude Training helps them to demonstrate various principles involved in solving mathematical problems and thereby reducing the time taken for performing job functions. 4. The entire objective of the 42 hours aptitude building program is to develop the basics of the students towards three segments of aptitude that are Verbal Aptitude, Logical Reasoning and Quantitative Aptitude.

<p>Summary Report:</p>	<ul style="list-style-type: none"> ● “Pre-Placement Aptitude Training” has organized by, DYPCOE&I, Varale, Talegaon, Pune. ● The session was attended by 14+ students from the SE, Dept. of Artificial Intelligence and Data Science. ● In this training – <ul style="list-style-type: none"> Day-1 (10 June 2024), An industry expert has presented the syllabus, which includes a basic quiz competition and topics like Arithmetic Simplification, Square, Cube, Blood Relation, Leap Year, Clock & Calendar, Tips and Tricks, etc. The session was very interesting and informative. Day-2 (11 June 2024), A quick explanation of basic arithmetic operations and simplification techniques was provided by an industry specialist. Also, he included an enormous number of practice examples. Students were asking questions and solving problems. An industry expert was astute enough to respond to the student’s questions. Day-3 (12 June 2024), Number System, HCF & LCM, Blood Relations, Questions and Answers have been the areas of concentration for industry experts. Mr. Pavan, sir, discussed the significance of high-scoring topics and how they help students score higher on aptitude tests. Along with this, easy tricks to solve complex problems were given by him. Day-4 (13 June 2024), Profit and Loss, Average, Weighted Average, Syllogism, Binary Logic, Direction Sense, And Questions & Answers have all been discussed by industry expert. Day-5 (14 June 2024), Mr. Pavan, sir, focused on the concepts and difficulties related to Time, Speed, And Distance. Square And Square Roots, Direction Sense difficulties resolved, and a brief quiz are organized in addition to that. Day-6 (15 June 2024), The instructor covered seating arrangements and the most crucial questions regarding direction sense. Multiple problems resolved by students. Day-7 (18 June 2024), The instructor covered Logical Reasoning, Statement & Assumptions, Ratio & Proportion, Seating Arrangement and numerous problems. <p>Now, Students can tackle aptitude tasks in this Preplacement Aptitude Test.</p>
<p>No. of Students Participated:</p>	<p>14 Students</p>

Outcome:	After completing this training course, students will be able to 1. Enhance the Aptitude Round Clearing ability in interview process. 2. Solve the real-time problems for performing job functions easily. 3. Interpret the concepts of LOGICAL REASONING skills. 4. Acquire satisfactory competency in use of VERBAL REASONING.
CO/ PO Attained	PO1, PO2, PO3, PO4, PO11, PO12
Name of the faculty Coordinator:	Ms. Deepali Narwade
Name of the TNP Coordinator:	Mr. Suraj Bhoite

Mr. Pawan Nerniya solving doubts of the students

Students listening to the expert

B.E. PROJECT MOCK EXAMINATION AND PROJECT AUDIT

Title of the Activity:	B. E. Project Mock Examination and Project Audit
Day and Date:	Saturday, 19 th Oct. 2024
Time:	10.00 AM To 02.00 PM
Venue:	A207, A208, A209 at DYPCOEI, Varale.
Name of Reviewer	<ol style="list-style-type: none"> 1. Mr. Avdhut Salunke (Associate Application Developer at Fujitsu Consulting India Pvt. Ltd, Pune), 2. Mr. Raghavendra Borse, (Python Full Stack Developer Better Technology Labs, Pune) 3. Ms. Manisha Nalawade (Technology Lead at Infosys, Pune)

Category of the Activity:	Curricular Activity
Objectives:	<ol style="list-style-type: none"> 1. To Ensure that the project meets the required standards and specifications, both in development and documentation. 2. To Review the project's progress against the planned timeline and objectives, identifying any deviations. 3. To Verify that the project adheres to relevant guidelines, ethical standards, and institutional policies. 4. To Assess the effective use of resources, including time, tools, and team collaboration. 5. To Identify potential risks and challenges in the project, allowing for timely intervention and mitigation strategies.
Summary Report:	<ul style="list-style-type: none"> • The Department of Artificial Intelligence and Data Science at DYPCOE&I, Varale, Talegaon, Pune, organized a B.E. Project Mock Examination and Project Audit, with participation from a total of 17 groups. • In this audit - The B.E. Project Mock Examination and Audit assessed 17 groups, providing valuable feedback to enhance project quality and student readiness. • Additionally, Student got open platform to present their project and presentation skill, They got guidelines and assessment of project by industry personnel. • Overall, in this Audit The B.E. Project Mock Examination and Audit evaluated students' readiness, provided constructive feedback, ensured quality and compliance, and identified improvement areas, enhancing overall project success and confidence for final assessments.
No. of Students Participated:	17 Groups from B. E. AI-DS Department
Outcome:	<ul style="list-style-type: none"> • The outcome highlighted strengths and areas for improvement, boosting student confidence and ensuring projects met quality standards before final assessments. • The B.E. Project Mock Examination and Audit showed effective planning, but identified gaps in execution, documentation, and team communication. • The B.E. Project Mock Examination and Audit revealed strengths in planning but highlighted areas needing improvement in execution and documentation.
CO/ PO Attained	PO1, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3



Honoring Our Chief Guest: A Moment of Gratitude and Celebration", HoD AI-DS, Dr. Dipannita Mondal Mam has felicitate to our chief guest Mr. Avdhut Salunke.



Honoring Our Chief Guest: A Moment of Gratitude and Celebration", HoD AI-DS, Dr. Dipannita Mondal Mam has felicitate to our chief guest Mr. Raghavendra Borse.



Honoring Our Chief Guest: A Moment of Gratitude and Celebration", HoD AI-DS, Dr. Dipannita Mondal Mam has felicitate to our chief guest Ms. Manisha Nalawade.



Students confidently presents their project to the reviewer, showcasing their hard work, creativity, and teamwork in addressing real-world challenges.



Students enthusiastically presents their project to the reviewer, demonstrating creativity, teamwork, and dedication.



Students confidently present their project to the reviewer, showcasing their hard work, creativity, and teamwork in addressing real-world challenges.



Students presents their innovative project to the reviewer, highlighting their teamwork and creative problem-solving skills.



Students enthusiastically presents their project to the reviewer, demonstrating creativity, teamwork, and dedication.

DIRECT SECOND YEAR INDUCTION

Title of the Activity:	DIRECT SECOND YEAR INDUCTION PROGRAM (2024-25)
Day and Date:	Thursday, 19 th September 2024
Time:	9.30 am to 11:30 am
Venue:	Seminar Hall
Name of Speaker	Dr. Sagar Dhage
Organization of Speaker	Assistant Director, JSPM Group of Institutes, Pune.
Category of the Activity:	Curricular

Objectives:	<ol style="list-style-type: none"> 1. To help students to understand wider about Institute, Department, R&D, and Student Welfare related services. 2. To understand about future Opportunities and guidance to achieve it
Summary Report:	<ul style="list-style-type: none"> • Resource Person for “Direct Second Year Students Induction Program” has organized by, DYPCOE&I, Varale, Talegaon, Pune. • The session was attended by 15+ students from the Artificial Intelligence and Data Science Department. • In this Session covered – <ul style="list-style-type: none"> ○ Way for Creative and Critical Thinking. ○ Scope in future after completion of Engineering. ○ Valuable guidance given by Principal Sir and HOD Mam. • Session was Interactive and Students have enjoyed session delivered by Dr. Sagar Dhage.
No. of Students Participated:	15+ Students from AI-DS Department
Outcome:	<ol style="list-style-type: none"> 1. Students Understand the overall facilities provided by Institute, Department, R&D, and Student Welfare Committee. 2. Students Understand how to gain future Opportunities in companies.
CO/ PO Attained	PO1, PO2, PO3
Name of the faculty Coordinator:	Mrs. Ifrah Sutar and Ms. Sneha Bankar



Student attending the Session



Session delivered by Dr. Sagar Dhage



Session delivered by Dr. Sagar Dhage



Kit Distribution to DSE Students



Address by HOD Dr. Dipannita Mondal



Address by Principal Dr. Suresh Mali

INAUGURATION OF SOCIETY FOR DATA SCIENCE (S4DS) STUDENT CHAPTER

Title of the Activity:	Inauguration of Society for Data Science(S4DS) Student Chapter
Day and Date:	Saturday, 19th October 2024
Time:	11.00 am to 12.30 pm
Venue:	Seminar Hall (A106)
Name of Speaker	Mr. Raghuvendra Borse ,Mr. Avdhut Salunke, Ms. Manisha Nalawade
Organization of Speaker	Better Technology Labs, Pune Fujitsu Consulting India Pvt. Ltd, Pune; Infosys , Pune

Category of the Activity:	Inauguration.
Objectives:	<ul style="list-style-type: none"> • To create a platform for professional bodies to promote innovation around Data Science • To Improve the practice of Data Science through collaboration and innovation.
Summary Report:	<ul style="list-style-type: none"> • Inauguration of Society for Data Science Student Chapter has organized by, DYPCOE&I, Varale, Talegaon, Pune under S4DS Student Chapter. • The inauguration was attended by 60 students from the Artificial Intelligence and Data Science Department. • In this Expert Session – <ul style="list-style-type: none"> • Overview of S4DS Student Chapter • Improve the practice of Data Science • Advantages of Student Chapter • Introduction to Data Science • Session was Interactive and Students have enjoyed session delivered by both resource person.
No. of Students Participated:	60 Students from SE,TE & BE AI-DS
Outcome:	<p>The importance of data science student chapter</p> <ol style="list-style-type: none"> 1. Enhancing data science skills. 2. Fostering industry-academia collaboration. 3. Encouraging ethical AI practices, while providing a platform for networking and innovation within the data science community.
CO/ PO Attained	PO1, PO2, PO3, PO4, PO5,PO12
Name of the faculty Coordinator:	Mr. Suraj Bhoite & Mrs. Asmeeta Mali

Flyers of S4DS Student Chapter



HoD Dr. Dipannita Mondal with experts and faculties.



Expert Speaker addressing audience



Students Attending S4DS Inauguration



Expert Session on Data Science Career Path



Faculties and Students attended Expert Session



Experts ,Faculty & Committee Members

PARENTS TEACHER MEETING

Day & Date: Saturday, 21 September 2024

Time: 11:00 AM Onwards

No of Members Attended: 43 (23 attended off-line and 20 attended online)

Type of Activity: Parent Teacher Meeting conducted by Department of AI-DS

Objectives:

- Departmental Presentation by Head of Department.
- Certificate Distribution to Toppers of SE and TE.
- Monitoring the performance of students.
- Interaction with parents.
- Address by Principal.

Department of Artificial Intelligence and Data Science of Dr. D. Y. Patil College of Engineering & Innovation, organized Parents Teachers Meeting for SE, TE, BE on 21/09/2024. The primary goal of the Parent-Teacher meeting was to provide a platform for teachers and parents to discuss student performance and brainstorm suggestions for improving their educational chances. Class teachers and teacher guardians notified parents about the meeting well in advance.



DR. D. Y. PATIL EDUCATIONAL FEDERATION'S
DR. D. Y. PATIL COLLEGE OF ENGINEERING & INNOVATION

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

PARENT TEACHER MEETING

21st September 2024

11:00 AM onwards

DYPCOEI
Seminar Hall

Ms. Deepali Narwade
PTM Coordinator

Dr. Dipannita Mondal
HoD AI-DS

Dr. Suresh Mali
Principal Dr.DYPCOE&I



Dr. D. Y. PATIL Educational Federation's

DR. D. Y. PATIL
COLLEGE OF ENGINEERING AND INNOVATION
Varate, Talegaon, Pune 410507

Invitation

We Heartily Invite
all the Parents and Students of
Department of Artificial Intelligence and Data Science
for
Parents Teacher Meeting

Date:- 21st September 2024, Saturday
Time :- 11:00 am onwards
Venue:- Seminar Hall, DYPCOEI

Dr. Sushant Patil Adv. Mrs. Anuja Patil Mr. Vidyanand Mankar
President Secretary Executive Director

Dr. Suresh Mali Dr. Dipannita Mondal
Principal, DYPCOEI HOD, AI & DS Dept.

PTM acts as a valuable bridge and communicator between teachers and parents. We can make the teaching and learning experiences more engaging. Students will be actively involved, and the end result will be their total development.

The event started at 11:15 a.m. Mrs. Ifrah Sutar's welcome address kicked off the event. Mr.

Ramchandra Dharne and Mr. Shivaji Chavan parents are the chief guest for the PTM. Felicitation of Chief Guest and Principal sir were done by Head of the Department Dr. Dipannita Mondal.

Dr. Dipannita Mondal, Head of Artificial Intelligence and Data Science, introduced parents with the Vision and Mission of the institute and department and the departmental activities along with attendance criteria (75% Mandatory), focus on quality education, library facilities, training and placement sessions and general criteria for the placements. HoD also highlighted the Institute's best practice for effective teaching learning process and how it helps placement and higher studies.

BE student Raturaj Dharne, SE student Yash Wase and Sairaj Jadhav presented their opinions. Following that, Mr. Yogesh Wase, one of the parents, shared his views.

Principal sir emphasized the need of conducting industry-oriented programs in the department to help students grow. Moreover, the opportunities in AI was discussed.

The guidelines were primarily focused on students' performance in classroom and exams, performance during the Unit Test and preparation for upcoming Semester. Discussion was focused on student's specific strengths and weaknesses in individual subjects and student discipline in classrooms. Apart from the usual discussion on ward's progress, attendance, improvisation and challenges, Counsellors interacted with parents to make them aware of the ward's current learning process. Parents suggestions on the interests and learning of their wards were noted. Then, parents interacted one to one with the faculties.

Finally, Ms. Sneha Bankar delivered a vote of Thanks.

Outcome:

Total 43 parents (23 Offline+20 online) participated in the PTM of A.Y. 2024-25. Parents learned about the institute's rules and regulations and procedures as well as its teaching and learning approaches for the benefit of the students as a whole. The importance of having children participate in all academic activities was emphasized to parents. Parents were grateful for the efforts and one-on-one care offered to each student.



Principal Sir, HOD Madam, TPO Sir, With Chief Guest Mr. Shivaji Chavhan & Mr. Ramchandra Dharne for the Parent Teacher Meeting.





Lamp Lightening by Principal Sir, HOD Madam, TPO Sir, With Chief Guest Mr. Shivaji Chavhan & Mr. Ramchandra Dharne



Principal Dr. Suresh Mali sir.& HOD, Dr. Dipannita Mondal welcomes Chief Guest Mr. Ramchandra Dharane and Mr. Shivaji Chavhan.



Certificates distributed to Toppers of SE and TE (2023-24)



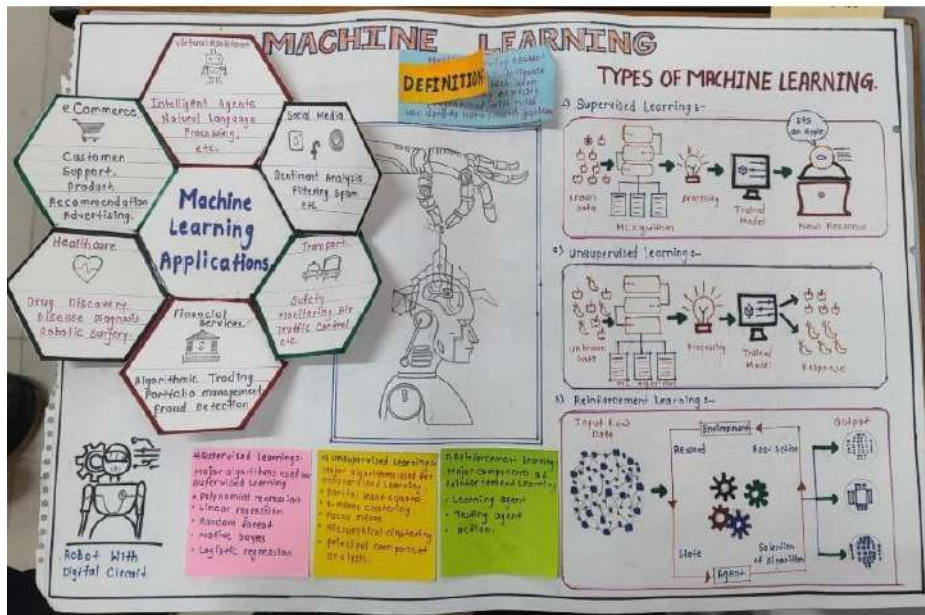
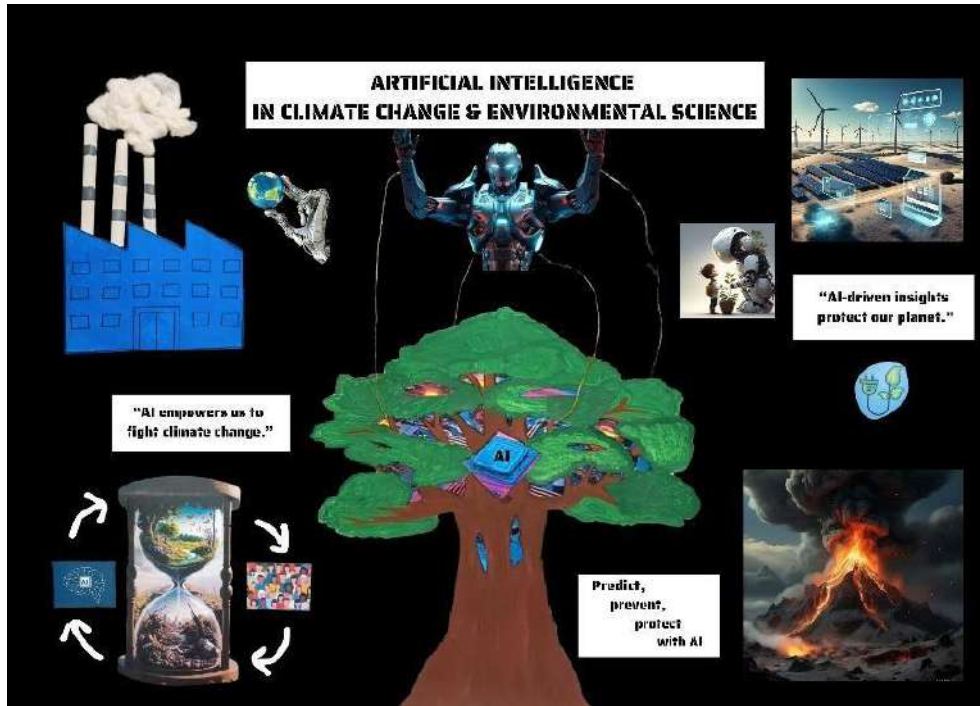
Students sharing their experience with the audience.




Chief guests addressing the audience.




PAINTING & POSTERS BY STUDENTS






Dr. D. Y. Patil
College of Engineering and Innovation
Department of AI & DS



ARTIFICIAL INTELLIGENCE in Social Media:
Understanding Sentiment and Trends


Reputation




Artificial Intelligence
analyzes emotions in social media posts.

Artificial Intelligence
analyzes emotions in social media posts.

Detects trends
from viral content and hashtags.







Elevating Social Media with AI Integration
 AI integration in social media is propelling innovation, personalization, and disruption to unprecedented levels.

Enhances engagement
with personalized recommendations


Participating Students:
 Akanksha Headau TE-AIDS (23114) Harshad Kawade TE-AIDS(23123)
 Dnyaneshwari Sonawane TE-AIDS(23141)



Dr. D. Y. Patil Educational Federation's
Dr. D. Y. PATIL COLLEGE OF ENGINEERING & INNOVATION
 Department of AI & DS



Artificial intelligence for Social Media




01 Chatbots

A chatbot is a computer program that uses artificial intelligence (AI) and natural language processing (NLP) to understand customer questions and automate responses to them.


02 Content creation and curation

Artificial intelligence and machine learning algorithms to generate new articles and blog posts on any topic.




03 Generating automated captions and subtitles


AI tools that generate automated captions and subtitles for the videos. It involves analyzing the video using machine learning techniques and algorithms that generate the texts.



04 Moderation

AI tools to monitor and moderate content by flagging posts that violate community guidelines, blocking users, and removing abusive comments.





05 Targeted Advertising

Artificial intelligence to target a specific group of people based on demographic data, such as their gender, age, purchase history, online activity, etc.

Submitted By: Shreyali Khutragade, Atharv Mahajan, Ishwar Sanbhale