D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

NEWS LETTER – DECEMBER 2024

Faculty Achievements and Participation:

- Dr. Bhagyashree Tingare, Assistant Professor of AIDS, participated in and presented research papers at the International Conference on Intelligent and Innovative Practices in Engineering & Management (IIPEM-2024) on November 25, 2024, held at Amity Global Institute, Singapore. Paper 1 Title: Impact of Responsible AI on National Cybersecurity Strategy and the Enhancement of Cybersecurity Education. Paper 2 Title: Control Process: IoT-Based Machine Learning Algorithms for Data Science on QUA."

- Dr. Bhagyashree Tingare, Assistant Professor of AIDS, participated in one week workshop, Workshop on "Advances in Research Methodology" from 1st December 24 to 7th December 24.

- Mrs. Anagha Jawalkar, Assistant Professor of AIDS, has attended one week FDP "Generative AI and Multidomain Use Cases" from 2nd December 2024 to 6th December 2024.

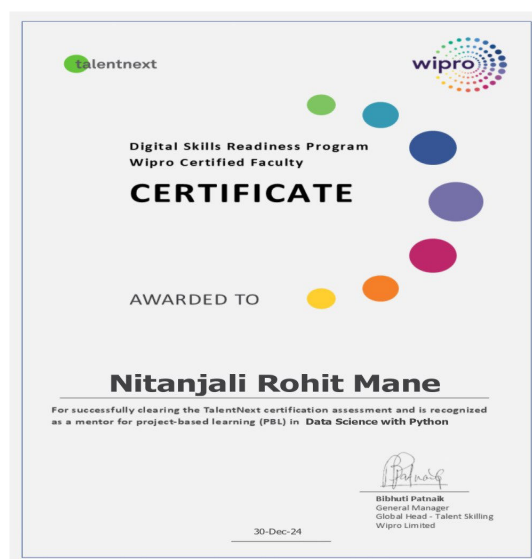Faculty Achievements and Participation

Name of Faculty Coordinator :	Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER – DECEMBER 2024

Faculty Achievements and Participation:

- Mrs. Nitanjali Mane and Mrs. Rajshri Ingale, Assistant Professors of AIDS, have been certified in Wipro's Project-Based Learning framework in Data Science with Python (Wipro Certified Faculty - WCF certificate)."

- Mrs. Tejali Katkar, Mrs. Trupti Lonkar Professor of AIDS, have attended one week ATAL FDP "Deep Learning and It`s Applications " from 16th December 2024 to 21st December 2024.

-

Faculty Achievements and Participation

Name of Faculty Coordinator :	Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER – DECEMBER 2024

Faculty Achievements and Participation:

- Dr. Bhagyahree Tingare, Assistant Professor of AIDS, has successfully completed course "ChatGpt for exel" "Cybersecurity for Everyone" Prompt Engineering for ChatGpt" in December 2024.

- Mrs. Assistant Professor of AIDS, has published a paper titled "Human-Centric Design for Wearable Technology: Bridging Aesthetic and Functional Aspects in Smart Devices" in December 2024.

- Mrs. Trupti Lonkar, Assistant Professor of AIDS, has attended one week STTP "Java full Stack with reactJS and AI" from 2nd December to 22nd December 2024.

Faculty Achievements and Participation Certificates

Name of Faculty Coordinator : Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER – DECEMBER 2024

Faculty Achievements and Participation:

- Mrs. Pallavi Shingade, Assistant Professor of AIDS, has published a paper titled "Frontiers in Health Informatics" in December 2024.

- Mrs. Anagha Abhijit Jawalkar and Dr. Suwarna Gothane, Assistant Professor of AIDS, have published a paper titled "Generative AI: A Structured Review, Techniques, Application and Future Prospects" in December 2024.

Frontiers in Health Informatics
ISSN: 2676-7104
Website: https://healthinformaticsjournal.com/index.php/IJMI

Date: 02/12/2024   Submission Id: IJMI/10/731

Dear (Pranjali Bahalkar,Pallavi Shingade,Nakul Gavhane, Vijoy Khatri,Atharv Pote, Saikiran Chilakapati)

We have reached a decision regarding your manuscript submission to **Frontiers in Health Informatics** titled as – "Automated Certificate Verification and Management System"
"

Our Decision is to: **Accept Submission**

Frontiers in Health Informatics

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Generative AI: A Structured Review, Techniques, Application and Future Prospects

Anagha Abhijit Jawalkar, Dr. Suwarna Gothane, Dr. Alessandro Bruno

Abstract—Generative AI (GAI) is a rapidly growing field with a wide range of applications. In recent years, the study of artificial intelligence (AI) has undergone a paradigm shift. This has been fuelled by the revolutionary potential of generative models in both supervised and unsupervised learning settings. Generative AI has shown state-of-the-art performance in handling challenging real-world issues in fields including image translation, medical diagnostics, generative AI. These methods are intended to produce new data like text, pictures, music, or even.

The main methods employed in generative AI are listed below.

A. Generative Adversarial Networks (GANs)

A state-of-the-art method for generative modeling in deep learning, GANs frequently make use of topologies such as convolutional neural networks. For the model to generate

Faculty Achievements and Participation Certificates

Name of Faculty Coordinator : Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER – DECEMBER 2024

Faculty Achievements and Participation:

- Mrs. Rasika Wattamwar , Assistant Professor of AIDS, has published a paper titled "Human-Centric Design for Wearable Technology: Bridging Aesthetic and Functional Aspects in Smart Devices " in December 2024.

- Mrs.Surbhi Kushwah and Mrs. Supriya patil , Assistant Professor of AIDS, have published a paper titled "Blockchain Technology Based Traceable and Safe Pharmaceutical Supply Chain Framework: An Effective Method for Searchable Pharma Chains" in December 2024.

Human-Centric Design for Wearable Technology: Bridging Aesthetic and Functional Aspects in Smart Devices

Rasika Vishal Wattamwar[1], Dhanraj Dhotre[2], Sulochana Sagar Madachane[3], Nilophar Tayyab Mulani[4], Sunil Appaso Kumbhar[5], Ravindra Suresh Kamble[6]

[1]Department of Artificial Intelligence and Data Science, D Y Patil College of Engineering, Akurdi, Pune, India.
[2]Department of Computer Science and Engineering, MIT School of Computing, MIT Art Design and Technology University, Loni Kalbhor, Pune, India.
[3]Department of Information Technology, SIES Graduate School of Technology, Nerul, Navi Mumbai, India.
[4]Department of Information Technology, D Y Patil College of Engineering, Akurdi, Pune, India.
[5,6]Department of Computer Science and Engineering, School of Engineering and Technology, D Y Patil Agriculture and Technical University, Talsande, Kolhapur, India.

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Blockchain Technology Based Traceable and Safe Pharmaceutical Supply Chain Framework: An Effective Method for Searchable Pharma Chains

Vijay U. Rathod[1], Nilesh P. Sable[2], Amruta Chitari[3], Surbhi Kushwah[4], Supriya A. Patil[5], Renuka Gavli[6]

[1]Department of CSE (Artificial Intelligence & Machine Learning), Bansilal Ramnath Agarwal Charitable Trust's, Vishwakarma Institute of Technology, Pune; *Corresponding author: vijay.rathod25bel@gmail.com
[2]Department of CSE (Artificial Intelligence), Bansilal Ramnath Agarwal Charitable Trust's, Vishwakarma Institute of Information Technology, Pune; drsablenilesh@gmail.com
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Faculty Achievements and Participation Certificates
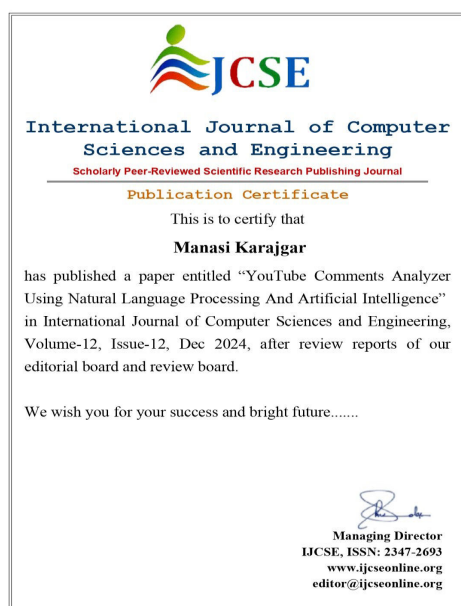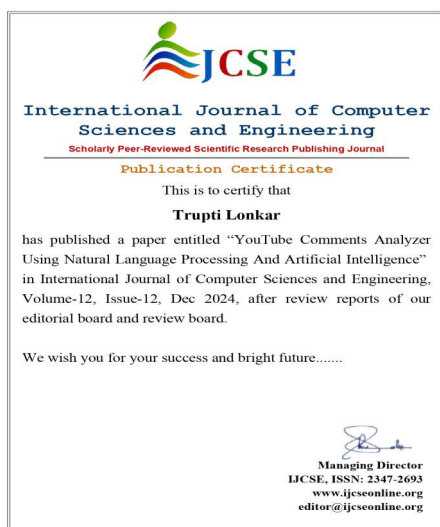
Name of Faculty Coordinator : Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER – DECEMBER 2024

Faculty Achievements and Participation:

- Mrs. Manasi Karajgar, Mrs. Tejali Katkar, and Mrs. Trupti Lonkar, Assistant Professors of AIDS, have publish a paper titled "YouTube Comments Analyzer Using Natural Language Processing and Artificial Intelligence" in December 2024.

- Mrs. Anagha Jawalkar Assistant Professor of AIDS, has attended one week ATAL FDP "The future of Quantum computing and High-performance computing (HPC)" from 09th December 2024 to 114th December 2024.

Faculty Achievements and Participation Certificates

Name of Faculty Coordinator : Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER – DECEMBER 2024

Faculty Achievements and Participation:

- Mrs. Rasika Wattamwar, Mrs. Surabhi kushwah, and Mrs. Trupti LOnkar, Assistant Professor of AIDS, have attended one week FDP "Mastering AI Tools for Faculty Excellence " from 23/12/2024 to 27/12/2024.

Faculty Achievements and Participation Certificates

Name of Faculty Coordinator : Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER – DECEMBER 2024

Faculty Achievements and Participation:

- Mrs. Nita Mahale, Mrs. Manasi Karajgar, Mrs. Rasika Wattamwar, Mrs. Pallavi Shingade, Mrs. Vidya Bhosale, Mrs. Snehal Malpani Assistant Professor of AIDS, have attended one week ATAL FDP "Artificial Intelligence & IoT Driven Data Analytics in Industry 5.0" from 09th December 2024 to 14 December 2024.

Faculty Achievements and Participation Certificates

Name of Faculty Coordinator : Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER – DECEMBER 2024

Faculty Achievements and Participation:

- Mrs. Manasi Karajgar, Mrs. Tejali Katkar, and Mrs. Trupti Lonkar, Assistant Professors of AIDS, have filed a patent titled 'Image Processing-Based Robotic Device to Assist in Dental Surgery' in December 2024.

- Mrs. Manasi Karajgar, Assistant Professor of AIDS, has filed a copyright titled 'Generative Adversarial Networks for Synthetic Data Generation' in 13th December 2024

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Welcome Kalaimathi   [Sign out]

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1	440315-001		1000	222991	FORM 1	IMAGE PROCESSING BASED ROBOTIC DEVICE TO ASSIST IN DENTAL SURGERY

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
D-0000095744	Online Bank Transfer	1112240051895	1000.00	1475001020000001

Total Amount : ₹ 1000
Amount in Words: Rupees One Thousand Only
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DR. M. SUMITHRA
PROFESSOR, DEPARTMENT OF INFORMATION TECHNOLOGY,
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SENIOR MANAGER, TVR CONSULTING SERVICES PRIVATE LIMITED. , 4-79/C/201, SPLENDOUR APARTMENT, METTUKANIGUDA, GAJULARAMARAM, MEDCHAL MALKANGIRI DISTRICT, HYDERABAD- 500055, TELEGANA. INDIA

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TATIRAJU.V.RAJANI KANTH

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Faculty Achievements and Participation Certificates

Name of Faculty Coordinator :	Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER – DECEMBER 2024

Faculty Achievements and Participation:

- Mrs. Manasi Karajgar, Mrs. Tejali Katkar and Mrs. Trupti Lonkar Assistant Professor of AIDS, has successfully completed course "Python for Beginners" in December 2024.

- Mrs. Trupti Lonkar Assistant Professor of AIDS, has successfully completed course "UIUX for Beginners" in December 2024.

Faculty Achievements and Participation Certificates
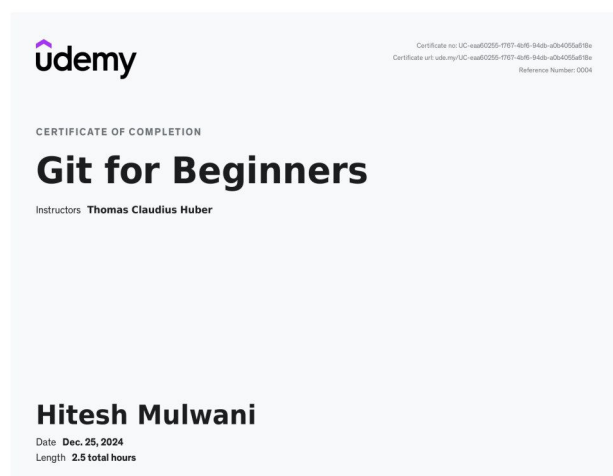
Name of Faculty Coordinator : Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER – DECEMBER 2024

Students Achievements and Participation:

- Mr. Onkar Andurkar from BE A div, has Successfully completing all requirements to be recognized as a Google Cloud Certified Associate Cloud Engineer on 21st December 2024.

- Mr. Pranav Bansod from BE A div, has Successfully completed course "Advanced Learning Algorithm" on December 2024.

- Mr. Hitesh Mulwani from SE B div, has successfully completed course "Git for Beginners" on 25th December 2024.

- Mr. Tejas Kulkarni from TE A div, has successfully completed NPTL course "Python for data Science" with silver+elite rank and 5% topper(80%), course duration from July 24 to August 24.

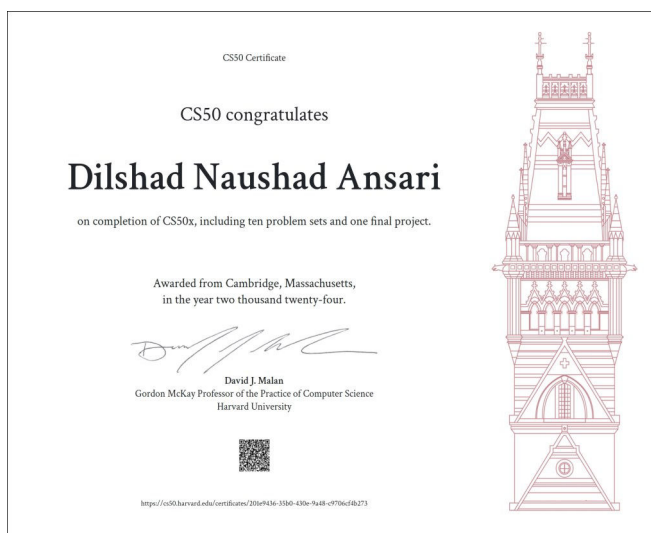Student Achievements Glimpse

Name of Faculty Coordi-	Mrs. Trupti G. Lonkar
	Dr Vinayak Kottawar Head of Department

NEWS LETTER – DECEMBER 2024

Students Achievements and Participation:

- Mr. Dilshad Ansari SE C div, has successfully completed course of CS50x including 10 problem set and one final project, in December 2024.

- Mr. Abhishek Shinde from SE A Div, has successfully completed course "Developer and Technology Job Simulation" on 24th December 2024.

- Victory at the FLAMES University Chess Tournament held on December 8, 2024! Mr. Jayesh Aher from BE A and Mr. Tanishq Gupta from SE C were the team members of the winning team.

Student Achievements certificate

Name of Faculty Coordinator : Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department