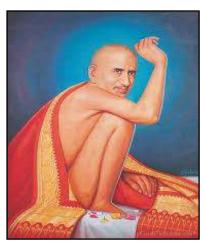


Dr D Y Patil Pratishthan's

## D Y Patil College of Engineering Akurdi, Pune-411044

## **NEWS LETTER - NOVEMBER 2024**





## Vision

Empowerment through Knowledge

## Mission

To educate the students to transform them as professionally competent and quality conscious engineers by providing conducive environment for teaching, learning, and overall personality development, culminating the Institute into an International seat of excellence.



## **NEWS LETTER - NOVEMBER 2024**

## **College Team:**

- Dr. Mrs. P. Malathi, Principal
- Dr.Sandeep S. Sarnobat, Vice Principal
- Dr. Madhuri A. Potey , HOD, Computer Engineering
- Dr. Preeti Patil, HOD, Information Technology
- Dr. Bhausaheb B. Musmade, HOD, Instrumentation & Control
- Dr. Ashok More, HOD, Civil Engineering
- Dr. Pravin T. Nitnaware , HOD, Mechanical Engineering
- Dr. Vinayak G. Kottawar, HOD, Artificial Intelligence & Data Science
- Dr. Nitin K. Kamble, HOD, Robotics & Automation
- Dr. Rutuja Deshmukh, HOD, Electronics & Telecommunication
- Dr.Manisha Tanwer ,HOD, F Y B Tech
- Dr. Sanjay K. Babar, Dean First Year
- Dr. Sandeep Shiyekar, R&D Co-ordinator
- Dr. Vinay A. Kulkarni, OBE Co-ordinator
- Dr. Manish Sharma, Innovation Cell Co-ordinator
- Mrs. Trupti Wagh, Student Affairs Co-ordinator
- Mr. Lalit Chaudhary, Training and Placement Officer
- Mr. Prashant Bhalerao, Registrar



D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44 FIRST YEAR B-TECH DEPARTMENT

### **NEWS LETTER NOVEMBER 2024**

#### **Department Activities : Induction Activity**

1. For First Year B Tech student on 09 November 2024, under induction activity, guest lecture of Financial Management had conducted for Cycle-I at 10:00-11:00 am and for cycle –II at 11:30a am-12:30 pm.For this Guest lecture we had Mr.Ulhas Tilekar Director Zen Wealth4U as recourses person.



Name of Faculty Coordinator :

Mr.Ganesh Nimgire

Dr.Manisha Tanwer



D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44 FIRST YEAR B-TECH DEPARTMENT

## **NEWS LETTER NOVEMBER 2024**

#### **Department Activities : Induction Activity**

 For First Year B Tech student on 09 November 2024, under induction activity, Workshop on CPR (Cardiopulmonary Resuscitation) activity had conducted for Cycle-I at 90:00-10:00 am and for cycle –II at 12:30a pm-1:30 pm.For this Guest lecture we had Mr. Arjun Rambhau Director, Civil Defense Force as recourses person.



Name of Faculty Coordinator :

Mr.Ganesh Nimgire

Dr. Manisha Tanwer



D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44 FIRST YEAR B-TECH DEPARTMENT

## **NEWS LETTER NOVEMBER 2024**

#### **Department Activities : Induction Activity**

1. For First Year B Tech student on 14 November 2024, a awareness session on Employability Assessment and Importance had conducted for all FYBTech Students.



Name of Faculty Coordinator :

Mr.Ganesh Nimgire

Dr.Manisha Tanwer



FIRST YEAR B-TECH DEPARTMENT

## **NEWS LETTER NOVEMBER 2024**

#### Faculty Achievement :

1. Dr.Pranjali Shinde and Mrs.Deepali Dubal had completed NPTEL Course on " Developing Soft skills and Personality" on 20 November.



Name of Faculty Coordinator :

Mr.Ganesh Nimgire

Dr.Manisha Tanwer

## **NEWS LETTER NOVEMBER 2024**

#### Departmental Activities/Participation :

- 1. Department of Civil Engineering have conducted site visit for SE students at "Ladies hostel construction " at DYPCOE, Akurdi, Pune.
- 2. Department of Civil Engineering have organized Skill Development Program like AutoCAD and Revit organized for SE Students.

3. Department of Civil Engineering have organized Value Added Course on "Recent skills and Techniques in civil Engineering field " organized for SE students by KnowHow School Consultancy Pvt.Ltd.

#### Faculty Achievement/Participation

1.Dr.Ashok More Invited as Resource Person Delivered Online session of Faculty Development Program under the title" New Trends in Solid Waste Management for organic content of MSW "on 08 to 09 November 2024 at Yashwantrao Bhonsale Institute of Technology,Sawantwadi.

2.Dr. Smita Pataskar Appointed as External examiner for assessing M.Tech students on 14th November 2024.

3.Dr.Mrs.Prital Kalasur Awarded Ph.D Thesis on topic : Sugarcane Bagasse Ash as partial replacement of cement in self compacting concrete - An experimental Investigation from Sandip University, Nashik.

4.Dr Ashok More,Dr Ashwini Patil,Mr Sunil Paygaon,Dr Suhas Patil Successfully completed ISO Internal Auditor Training on 13th November 2024 which as organized by We Build Pathways.

5.Dr.Sushant Waghmare, Mr.Mukesh Dhatunde, Mr.Kunal Pawar, Mr.Salman Shaikh Worked as an Polling Officer (PO) duty at 206- Maval Constituency on 19th to 20th November, 2024.(Maharashtra Vidhan Sabha Election-2024).

6.Dr Ashok More,Dr Ashwini Patil,Mr Sunil Paygaon,Dr Suhas Patil Successfully Qualified ISO Internal Auditor Training on 22nd November 2024 which as organized by We Build Pathways.

			Oato, 22" November 20
		Result Sheet	
	Internal A	Dr. D. Y. Patil College of Engineering uditors Training for Educational Organiza	
		As per ISO 23001-2015	
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Faculty	Training	Mr. S. D. Parkhi	
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ISO Internal Auditor Training



PhD awarded felicitation by Principal

Name of Faculty Coordinator :

Ms Neha Bagdiya

Dr A.B.More Head of Department



## **NEWS LETTER NOVEMBER 2024**

#### Faculty Participation /Achievements:

7. Dr. Smita Pataskar Successfully completed NPTEL course on "Body Language- Key to Professional Success" with Elite grade.

8. Dr. Smita Pataskar Appointed for mock inspection of NAAC for MBA and MCA programmes.

9.Dr Sudhanshu Pathak Appointed as a Reviewer at American Journal of Civil Engineering.

10.Mr. Rajvardhan Patil was 46th paper reviewer of Springer Nature 27 November 2024.



NPTEL Certificate



Site visit Conducted



ISO Internal Auditor Training

ASHWANTRAO BHONSALI ( 😨 ) INSTITUTE OF TECHNOLOGY ai & Affilia d to MSRTE Mumb (CE, EE, ME NBA Accredited) CERTIFICATE < Dr. Ashok B. More on of Faculty De int Progra rends in Solid Waste Manag ent for or Organized by Department of Civil Engineering of NTRAO BHONSALE INSTITUTE OF TECHNOLOGY, SA shira Dil" To 09" Ne er 2024. The

Invited as Resource Person.

Name of Faculty Coordinator :

Ms Neha Bagdiya

Dr A.B.More



## **NEWS LETTER NOVEMBER 2024**

#### Students Participation /Achievements:

1.Prathamesh Vyavahare Got first position in Competition on "Learning through Failure" which is organized by Indian Plumbing Association.

2.Sharvari Chincholkar Participated in Solo Singing competition in Symbiosis skills and professional University which is organized Symbiosis skills and professional University.

3.Sharvari Chincholkar Participated in Band War competition in Symbiosis skills and professional University which is organized Symbiosis skills and professional University.

4.Khushbu Sawant Placed as Associate project Engineer in V construct company.



Got first position in Competition on "Learning through Failure"



Name of Faculty Coordinator :

Ms Neha Bagdiya

Dr A.B.More Head of Department

## **NEWS LETTER - NOVEMBER 2024**

#### **Faculty Achievements/ Participation :**

AKURDI

1.Dr.Kalyan Bamane and Ms. Supriya Sathe successfully completed the course on "Introduction to Open GPT Models" organized by Infosys.

2.Dr.Kalyan Bamane successfully completed the course on "Introduction to Open GPT Models" Prompt Engineering, Landscape Generative AI organized by Infosys Springboard.



### **NEWS LETTER - NOVEMBER 2024**

#### **Faculty Achievements/ Participation :**

AKURDI

3.Ms.Vaishali Kolhe has successfully completed the 12 weeks course "Deep Learning" organized by NPTEL and received the certificate for the course .

4.3.Ms.Snehal Sarangi has successfully completed the 12 weeks course "Software Testing " organized by NPTEL and received the certificate for the course .



### **NEWS LETTER - NOVEMBER 2024**

#### **Faculty Achievements/ Participation :**

5.Ms.Depali Gohil has published paper entitled "Hybrid secure routing and monitoring mechanisms in IoT-based wireless sensor networks using Egret-Harris optimization" in taylor and francis journal

by 04 Nov 2024.

AKURDI

6.Dr.Kalyan.D.Bamane, Dr. Shanthi Kumaraguru, Mrs. Deepali Gohil have published paper entitled "Enhancement in Multi Spectral Camera System for Precision Agriculture using NDVI Calculation

Algorithm" in Frontiers in Health Informatics on Nov 2024.

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	nals 🕨 Information 🕨 Hybrid secure rou			<ul> <li>List of</li> </ul>	Issues	
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Home (https://healthinformaticsjournal.com/index.php/IJMI/index)

/ Archives (https://healthinformaticsjournal.com/index.php/IJMI/issue/archive)

/ Vol. 13 No. 3 (2024) (Published: 10-09-2024) (https://healthinformaticsjournal.com/index.php/IJMI/issue/view/4) / Articles

Enhancement in Multi Spectral Camera System for Precision Agriculture using NDVI Calculation Algorithm

PDF (https://healthinformaticsjournal.com/index.php/IJMI/article/view/423/422)

#### Keywords:

Multispectral imaging ,Precision agriculture,Low-cost camera,Plant stress detection,Spectral analysis,Agricultural monitoring,NDVI (Normalized Difference Vegetation Index),Remote sensing in farming,Crop health assessment, Affordable agricultural technology,Portable multispectral camera, Sustainable farming technology, Smart farming solutions.

Dr.Kalyan.D.Bamane, Dr. Shanthi Kumaraguru, Mrs. Deepali Gohil, Dr.Yogita Sinkar, Dr Arati Gaikwad . Dhiraj Sham Bhamare

Faculty Achievements/ Participation

Name of Faculty Coordinator :

Ms. Supriya Sathe

Dr Mrs. M. A. Potey

#### **NEWS LETTER - NOVEMBER 2024**

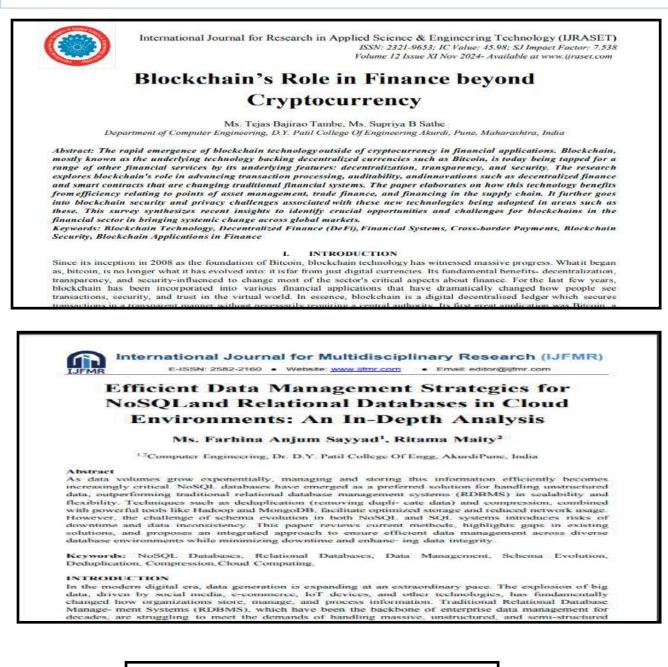
#### **Faculty Achievements/ Participation :**

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AKURDI

7.Ms.Tejas Tambe and Ms. Supriya Sathe published paper entitled "Block chain's role in Finance beyond Crypto currency" in the International Journal for Research in Applied Science and Engineering Technology (IJRASET) by Nov 2024.

8.Ms.Farina Sayyad published paper entitled "Efficient Data Management Strategies for NoSQL and Relational Databases in Cloud Environments: An In-Depth Analysis " in International Journal For Multidisciplinary Research (IJFMR) by Nov 2024.



Faculty Achievements/ Participation

Name of Faculty Coordinator :

Ms. Supriya Sathe

Dr Mrs. M. A. Potey

### **NEWS LETTER - NOVEMBER 2024**

#### **Faculty Achievements/ Participation :**

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AKURDI

9.Ms.Farina Sayyad and Ms. Rushali Navale have published paper entitled "PHONE VENDOR TRUST AND ANDROID FIRMWARE SECURITY: AN IN-DEPTH ANALYSIS " in the International Journal of Research and Analytical Reviews (IJRAR) by Nov 2024.

10.Mrs.Dhanshree Phalke successfully completed the course on "Stress Management at Workplace ", organized by Infosys Springboard.





Faculty Achievements/ Participation

Name of Faculty Coordinator :

Ms. Supriya Sathe

Dr Mrs. M. A. Potey



#### Faculty Achievements/ Participation :

11.Mrs.Dhanshree Phalke, Mrs. Yasmin Khan and Ms.Supriya Sathe have successful completion of Microsoft India & SAP India led Faculty Development Program on "Applied AI: Practical Implementations" under TechSaksham Program from "18th Nov 2024 - 22nd Nov 2024".

12.Dr.Abhijit Patankar and Mrs. Namrata Soni has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Recent Trends in VLSI Design Using Nanotechnology at MEERUT INSTITUTE OF ENGINEERING & TECHNOLOGY from 25/11/2024 to 30/11/2024.



Facult	y Achievements/ Participat	ion
Name of Faculty Coordinator :	Ms. Supriya Sathe	
		Dr Mrs. M. A. Potey
		Head of Department

**NEWS LETTER - NOVEMBER 2024** 

#### **Faculty Achievements/ Participation :**

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13.Mrs.Dhanshree Phalke has attended the course on "How to manage research paper references with your Guide? (60 minutes)" at DYP Akurdi college, on Tuesday 26 November, 2024 Presented by Mendeley Advisor Dr Minakshi Pradeep Atre Mendeley Advisor.



Faculty Achievements/ Participation

Name of Faculty Coordinator :

Ms. Supriya Sathe

Dr Mrs. M. A. Potey Head of Department

## **NEWS LETTER - NOVEMBER 2024**

#### Students' Achievements/ Participation :

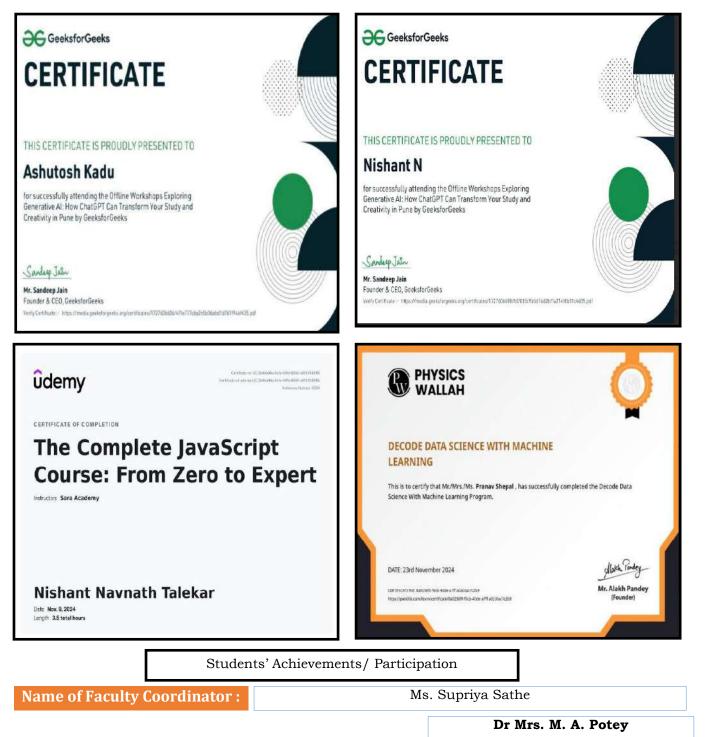
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AKURDI

1.Ashutosh Kadu and Nishant N received certificate for successfully attending the Offline Workshops Exploring Generative Al: How ChatGPT Can Transform Your Study and Creativity in Pune by Geeks for Geeks.

2.Nishant Talekar has completed the Udemy course "The Complete JavaScript Course: From Zero to Expert "and received the certificate on 9th Nov 2024

3. Pranav Shepal, has successfully completed the Decode Data Science With Machine Learning Program on 23rd Nov 2024 conducted by PHYSICS WALLAH.



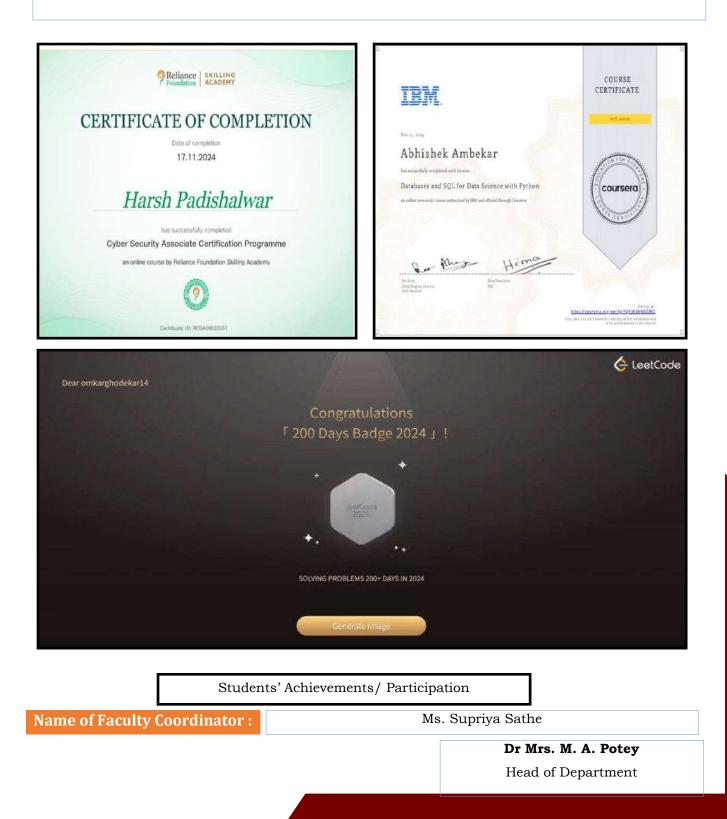
## **NEWS LETTER - NOVEMBER 2024**

### Students' Achievements/ Participation :

4.Harsh Padishalwar has successfully completed Cyber Security Associate Certification Programme an online course by Reliance Foundation Skilling Academy.

5. Abhishek Ambekar has completed course "Database and SQL for Data science with Python " organized by IBM on 15th Nov 2024.

6.Omkar Ghodekar participated in "200 Active Days Task Challenge" organized by LeetCode .

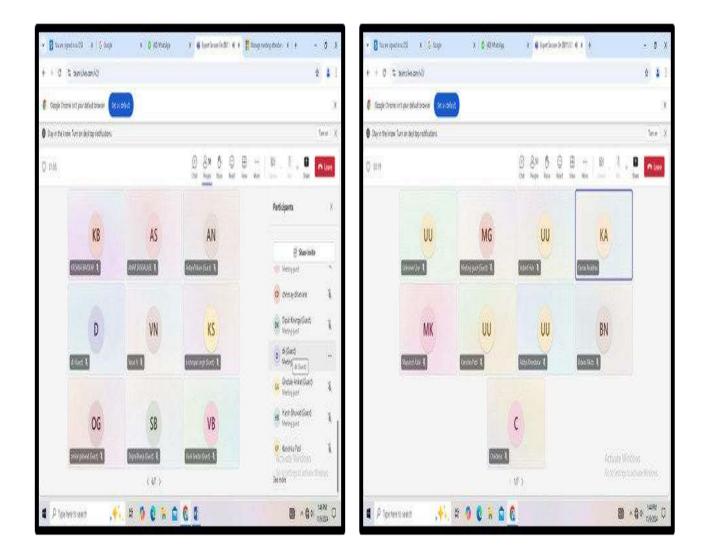


**NEWS LETTER - NOVEMBER 2024** 

#### **Department Activities:**

1.Expert Session on "Fundamentals of Data Structure" for SE Students on 9thNovember 2024 at 10.30am to 12.30 pm in Online mode in association with ACES and Computer Society of India(CSI). For this expert session the resource person was Mr. Anubhav Kumar, M Tech, IIT Patana, Samsung Research Banglore.

2.Expert Session on "Fundamentals of Data Structure" for SE Students on 9thNovember 2024 at 01.00pm to 2.30 pm in Online mode in association with ACES and Computer Society of India(CSI). For this expert session the resource person was Mr. Anubhav Kumar, M Tech, IIT Patana, Samsung Re-



		Department Activities:	
Name of Faculty Coord	linator :	Ms	. Supriya Sathe
			Dr Mrs. M. A. Potey



## D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44 DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

## **NEWS LETTER - NOVEMBER 2024**

#### Faculty Achievements/Participations:

1.Dr.Rutuja Deshmukh and Mrs Jaya Wakode published a paper on "Sustainability analysis of social interactions achieved by collaborative learning resulted from NPTEL SWAYAM Mentor Scheme " in ICTIEE.

2.Dr Prashant Titare published a copyright on "Design a working Model of a paper cutting machine for cutting papers in order to be used as wrapping sanitary pads" with registration number L-156656/2024 date 11/11/24.

3.Mrs.Usha Jadhav, Mrs.Trupti Wagh,Mrs.Vishwalata Bagal, Mrs Manisha Rajput,Mrs Vasanti Vedpathak completed a NPTEL certified course on "Stress Management". Mrs Usha Jadhav and Mrs Trupti Wagh completed with ELITE percentage.

4.Mrs.Jaya Wakode NPTEL certified course on "Management Information Systems " with ELITE percentage.



Name of Faculty Coordinator :

Dipalie Pujari

Dr. Rutuja Deshmukh

Head of the Department



D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44 DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

**NEWS LETTER - NOVEMBER 2024** 

#### **Department Activities:**

1. The department of E&TC organized a FDP on Innovation and Transformation in Pedagogy for the faculties on 7th and 8th November .



Name of Faculty Coordinator :

Dipalie Pujari

Dr. Rutuja Deshmukh

Head of the Department

D Y PAT P VTIL COLLEGE F ENCINEERING, AKURDU
DEPARTM

## D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44 DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

**NEWS LETTER - NOVEMBER 2024** 

#### Students Achievements:

1.Siddhi Khokarale and Vedant Bhamare completed a NPTEL course on "Management Information Systems" with ELITE percentage.

2.Anushka Ambure published a copyright on Design a working Model of a paper cutting machine for cutting papers in order to be used as wrapping sanitary pads" with registration number L-156656/2024 date 11/11/24.

3.Diksha Dhananjay Tapkire completed six months professional course on PhP language with outstanding performance with VJTech Academy.

4.Anushka Deshmukh has successfully completed the HP LIFE online course Business Communications.

5.Sanika Rajesh Ambildhuke secured- 2nd (silver medal) at Inter-Collegiate Boxing ( organized by Savitribai Phule Pune University) Competition 2024-25 Weight category - 48-50 Kg .



Name of Faculty Coordinator :

Dipalie Pujari

**Dr. Rutuja Deshmukh** Head of the Department

DEPARTMENT OF INFORMATION TECHNOLOGY

## **NEWS LETTER - NOVEMBER 2024**

#### Faculty Achievements/Participations :

DYP D. Y. PATTL COLLEGE OF ENGINEERING,

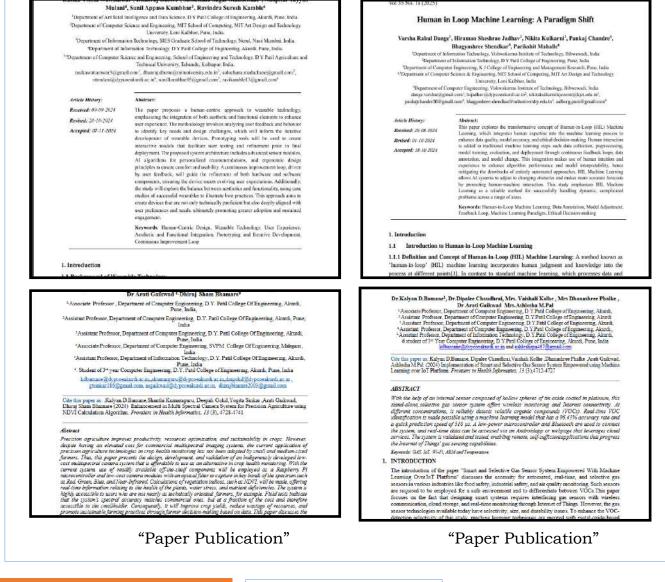
AKURDI

1.Dr Arati Jadhav Patil have successfully presented the paper entitled "implementation of Smart and Selective Gas Sensor System Empowered using ML over IOT platform" on November 2024

2.Dr.Arati Jadhav Patil have successfully presented the paper entitled "Enhancement in Multi Spectral Camera system for Precision Agriculture using NDVI Calculation Algorithm" on November 2024

3.Mrs Nilophar Mulani have successfully presented the paper entitled "Human Centric Design for wearable Technology: Bridging Aesthetic and Functional Aspects in Smart devices." on November 2024

4.Mr Hiraman Jadhav have successfully presented the paper entitled "Human in Loop Machine Learning: A Paradigm Shift" on November 2024



Name of Faculty Coordinator :

Mr Hiraman Jadhav

Dr Preeti Patil

DEPARTMENT OF INFORMATION TECHNOLOGY

## **NEWS LETTER - NOVEMBER 2024**

#### Faculty Achievements/Participations :

DYP D. Y. PATIL COLLEGE OF ENGINEERING, AKURDI

**5.**Mrs Amita Jajoo have successfully presented the paper entitled "Securing Trust in Ecommerce: A Blockchain Approach to Product Authenticity" on November 2024

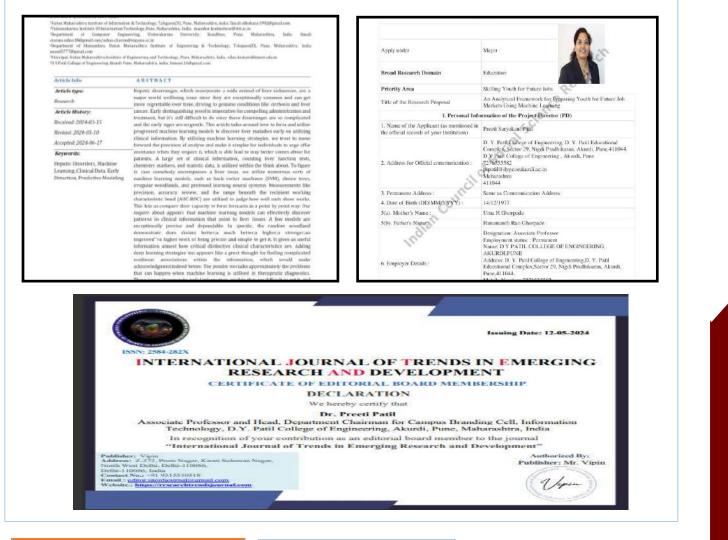
6.Mrs Amita Jajoo have successfully presented the paper entitled "Nearby Stall Navigator Application Using Flutter, Firebase and Augmented Reality" on November 2024

7.Mrs Himani Patel have successfully presented the paper entitled "Machine Learning models for Early Detection of Hepatic Disorders using clinical Data" on November 2024

8.Dr Latika Desai have successfully presented the paper entitled "AI Enabled Diagnostics solution for Eye Disease Detection and treatment Planning." on November 2024

9. Dr Preeti Patil have submitted a research proposal on the ICSSR portal worth 30 Lakhs on 10th Nov 2024.

10. Dr Preeti Patil has Department Chairman for Campus Branding Cell, IT DYPCOE Pune In recognition of your contribution as an editorial board member to the journal " International Journal of Trends in Emerging Research and Development" on November 2024.



Name of Faculty Coordinator :

Mr Hiraman Jadhav

Dr Preeti Patil

DEPARTMENT OF INFORMATION TECHNOLOGY

## **NEWS LETTER - NOVEMBER 2024**

#### Faculty Achievements/Participations :

11.Mrs Suvarna Sonone has participated and successfully completed AICTE Training and Learning ATAL Academy The Revolution of Large Language Models (LLMs) in Artificial Intelligence at VIDYA JYOTHI INSTITUTE OF TECHNOLOGY organized by Vidya Jyoti Institute of Technology DYPCOE Pune from 18/11/2024 to 23/11/2024

12.Arati Shivaji Jadhav Patil . Introduction to OpenAI GPT Models The certificate is awarded for successfully completing the course on November 20, 2024

13.Arati Shivaji Jadhav Patil . OpenAI Generative Pre-trained Transformer 3 (GPT-3) for developers The certificate is awarded for successfully completing the course on November 23, 2024

**14.** Arati Shivaji Jadhav Patil . Generative AI Landscape The certificate is awarded for successfully completing the course on November 18, 2024



Name of Faculty Coordinator :

Mr Hiraman Jadhav

Dr Preeti Patil

## DEPARTMENT OF INFORMATION TECHNOLOGY

## **NEWS LETTER - NOVEMBER 2024**

#### Faculty Achievements/Participations :

AKURDI

14. Arati Shivaji Jadhav Patil for successfully completing the course AI-first Software Engineering on November 21, 2024

15. Arati Shivaji Jadhav Patil for successfully completing the course AI-first Software Engineering on November 21, 2024

16.Krutika Bang, Mrs Dipali Patil successfully completed and received a passing grade in Deep Learning Fundamentals on 25 November 2024

17.Dipali Patil ,Mrs Krutika Bang successfully completed and received a passing grade in Prompt Engineering for Everyone on 19 November 2024.



Name of Faculty Coordinator :

Mr Hiraman Jadhav

Dr Preeti Patil

D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44 DEPARTMENT OF INFORMATION TECHNOLOGY

## **NEWS LETTER - NOVEMBER 2024**

#### Faculty Achievements/Participations :

18.Mrs Krutika Bang for participating in the training program on the Data Science with Python conducted by talentNext From 11th Nov to 29th Nov 2024.

19 .Mrs Krutika Bang for participating in the training program on the Dot Net Full Stack conducted by talentNext From 11th Nov to 29th Nov 2024.

20.Dr Latika Deshai has book Published on IoT Fundamentals and Advance Applications on November 2024.



Name of Faculty Coordinator :

Mr Hiraman Jadhav

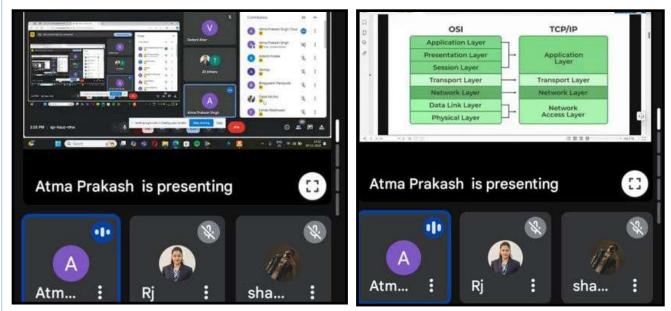
Dr Preeti Patil



## **NEWS LETTER - NOVEMBER 2024**

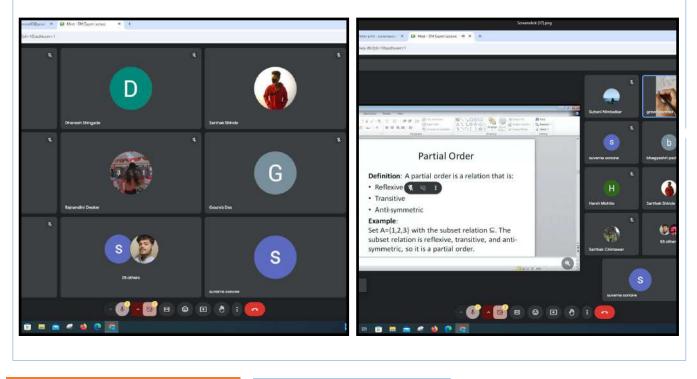
## **Department Activity :**

1.Department of Information Technology Organized Expert session on Transport Layer Services and Protocol for the Subject Basic Computer Network on 9th Nov 2024.



"Poster Presentation Program"

2.Department of Information Technology Organized Expert session on Function and Relation with Hash Diagram for the Subject Discrete Mathematics on 9th Nov 2024.



Name of Faculty Coordinator :

Mr Hiraman Jadhav

Dr Preeti Patil Head of Department

DEPARTMENT OF INFORMATION TECHNOLOGY

## **NEWS LETTER - NOVEMBER 2024**

#### Student Achievements/Participations :

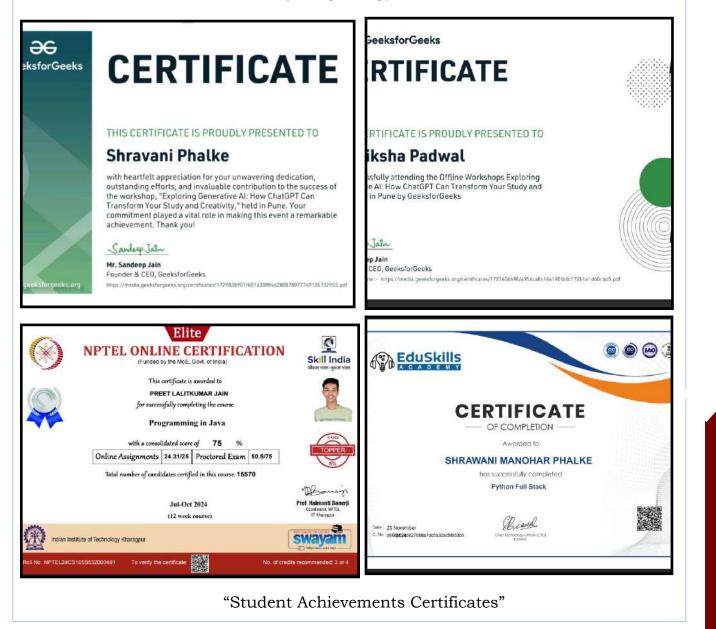
1.Ms Shravani Phalke has successfully completed the course on Exploring Generative AI Chat GPT on Nov 2024

2.Ms.Pratiksha Padwal for successfully attending the Offline Workshops Exploring

Generative AI: How ChatGPT Can Transform Your Study and Creativity in Pune by Geeksfor-Geeks on Nov 2024.

3.Mr.Preeti Jain for successfully completing the course Programming in Java With consolidated score of 75% on Nov 2024.

4.Ms.Shravani Phalke has Successfully completed python Full Stack on 23rd Nov 2024.



Name of Faculty Coordinator :

Mr Hiraman Jadhav

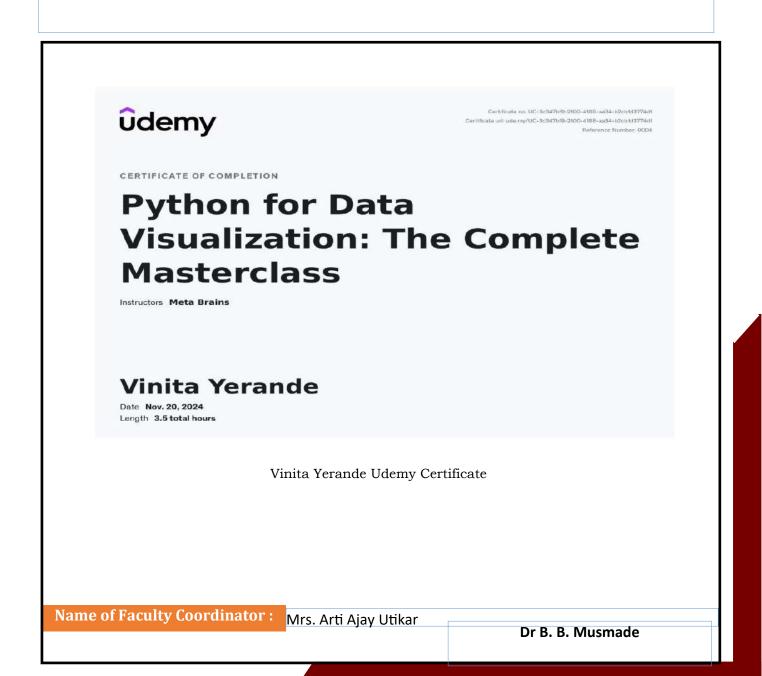
Dr Preeti Patil

D. Y. PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44 DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING

## **NEWS LETTER - OCTOBER 2024**

#### **Faculty Achievements/Participations:**

- Dr B. B. Musmade worked as reviewer for "IEEE PUNECON 2024" jointly organized by Defence Institute of Advanced Technology (DIAT) & IEEE Pune Section on 13th - 14th Dec 2024.
- Dr B. B. Musmade, Mr N. V. Mane and Dr Y. H. Patil attended "Internal Auditor Training for Educational Organizations Management System of ISO 21001:2018" on 13th -14th Nov 2024, received Certification for the same.
- Vinita Yerande has completed the Udemy course on "Python for data visualization :- the complete masterclass".
- Dr. Yogesh H. Patil published a paper on "Enhancing Security in Smart Renewable Energy Grids Through Proxy Signcryption Approach," Journal of Sensors, vol. 2024, Article ID 1603926, 16 pages, 2024. <u>https://doi.org/10.1155/js/1603926</u>.

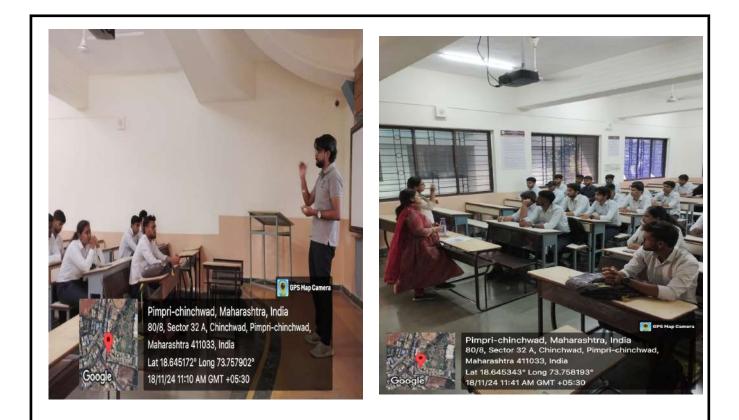


# D. Y. PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44 DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING

## **NEWS LETTER - OCTOBER 2024**

#### **Department Activities :**

• The department has organized EDC Activity (Group discussion on various topics related to Entrepreneurship) for SE students on 18th November 2024. Total 52 students participated.



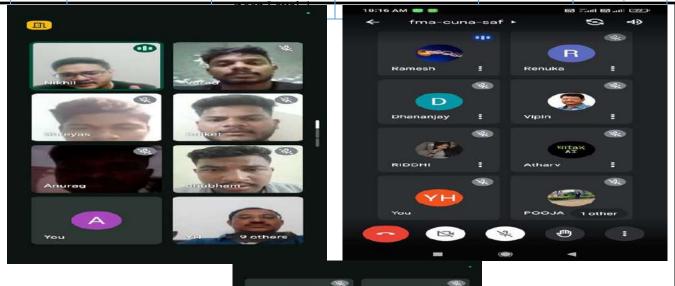
EDC Activity

## **NEWS LETTER - OCTOBER 2024**

#### **Department Activities :**

 Department has taken initiative to organize preplacement talk by alumni of particular company. Total 5 talks were conducted in November 2024, organized by Dr. Yogesh Patil, Mrs. Arti Utikar & Mr. Vipin Vibhute. The details are as below:

Sr. No.	Name of Alumni	Current Desig- nation	Current Organiza- tion	Date	No. of stu- dents
					benefited
1	Mr. Nikhil sharma (2023 batch)	Trainee Engineer	Deepak Fertilizers, Pune	4/11/2024	20
2	Ms. Priyanka Thorat (2021 batch)	Trainee Engineer	Johnson Controls, Pune	10/11/2024	21
3	Mr. Amarjit Sapkal (2024 batch)	Trainee Engineer	Emerson, Pune	17/11/2024	15
4	Mr. Ramesh (2008 Batch)	Design Engineer	Honeywell, Pune	23/11/2024	21
5	Ms. Kshitija Hodade (2023 batch)	Instrumentation & Control Engi-	Worley Services Pvt Ltd.	30/11/2024	13





Pre placement Talks by Proud Alumni

Name of Faculty Coordinator : Mrs. Arti Ajay Utikar

Dr B. B. Musmade



### **NEWS LETTER - NOVEMBER 2024**

#### Faculty Achievements:

- Dr. T. Dey filed a patent for "Flood Risk WARNING by Using Self-Activating Flood Barrier" on 9 Nov 2024.
- Dr. P.T. Nitnaware and Mrs. S.K. Dhamale has Successfully completed ISO Internal Auditor Training on 13th November 2024 conducted by We Build PAthways .
- Dr. P.T. Nitnaware was recognized as Outstanding Contribution as a Reviewer in the Journal of Thermal Engineering.
- Dr. T. Dey recognized as Outstanding Contribution as a Reviewer in Journal of Mines, Metals and Fuels





ISO Internal Auditor



Name of Faculty Coordinator :

Patent "Flood Risk"

Mrs. Monica P. Ugale

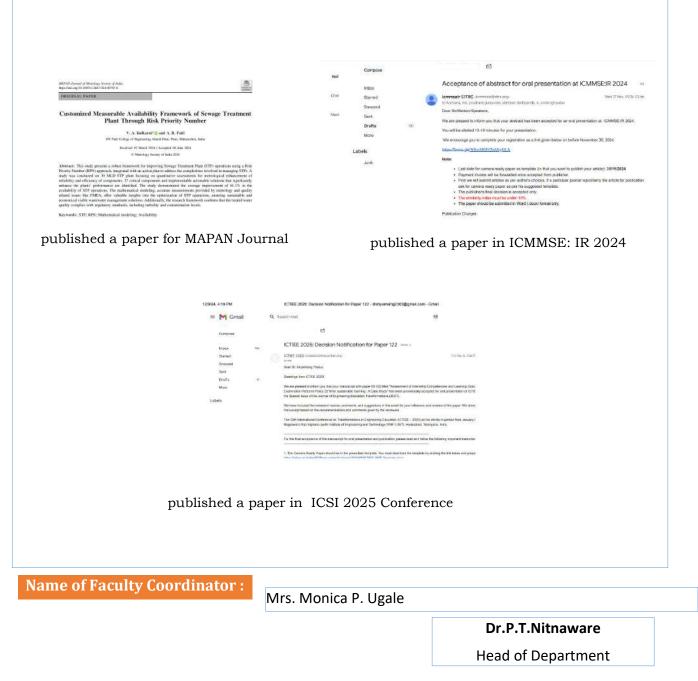
Dr.P.T.Nitnaware



## **NEWS LETTER - NOVEMBER 2024**

#### Faculty Achievements:

- Dr. V A Kulkarni published a paper, "Customized Measurable Availability Framework of Sewage Treatment Plant Through Risk Priority Number," for MAPAN Journal of Metrology Society of India.
- Mrs Swati Jadhav published a paper, "Heat Transfer Enhacement in flow boiling of Refrigerant R407c using turbulent pramotors: A review" in the 4th International E-conference on Mechanical and Material Science Engineering Education ICMMSE: IR 2024.
- Dr. S V Thakur , Dr. P.T. Nitnaware submitted a paper entitled "Assessment of Internship Competencies and Learning Outcomes based on AICTE Examination Reforms Policy 2018 for Sustainable Learning: A case study" for the ICSI 2025 Conference .





## **NEWS LETTER - NOVEMBER 2024**

#### Faculty Achievements:

- The following faculty submitted a proposal to Anusandhan National Research Foundation (ANRF) under a Grant (ANRF) Prime Minister Early Career Research Grant.
- Dr. Lalitrao Amrutsagar Proposal was submitted for "Comparative Analysis of Additive Manufacturing Techniques for Industrial Ceramics" on 18/11/2024. Project Budget proposed Rs. 28,20,000.
- Dr. Dr. R.D. Sanshanshiv Proposal was submitted for "Proposal submitted for Testing of composite Material Properties of AL Alloy " on 18/11/2024. Project Budget proposed - Rs. 14,34,000.
- Dr. Vaibhav Rahij Proposal was submitted for "Testing of Material Properties of AL Alloy " on 18/11/2024. Project Budget proposed 13,80,000.
- Dr. S V Thakur Proposal was submitted for "BIomethanation Power Plant" on 18/11/2024. Project Budget proposed 15,00,000/-.

rahulrda001@gs	DILIP SANDHANSHI			D Y Patil Colleg	4@gmail.com sor(MechanicalEnginee je of Engineering Akurd fi pradhikaran, Pune, M	ii, Pune	
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Name of Faculty Coordinator :

Mrs. Monica P. Ugale

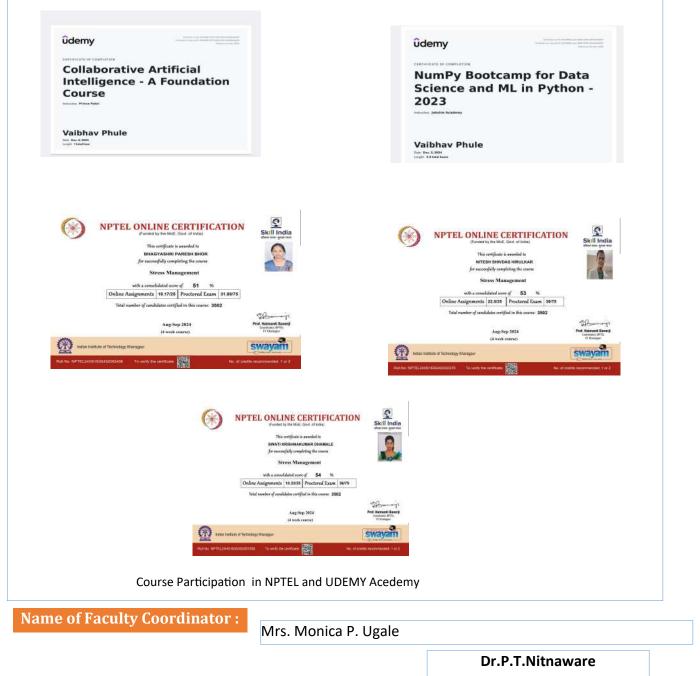
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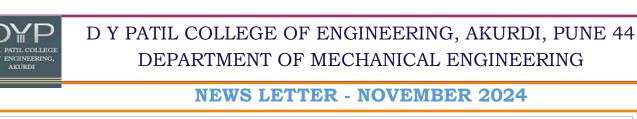


### **NEWS LETTER - NOVEMBER 2024**

#### Faculty Achievements:

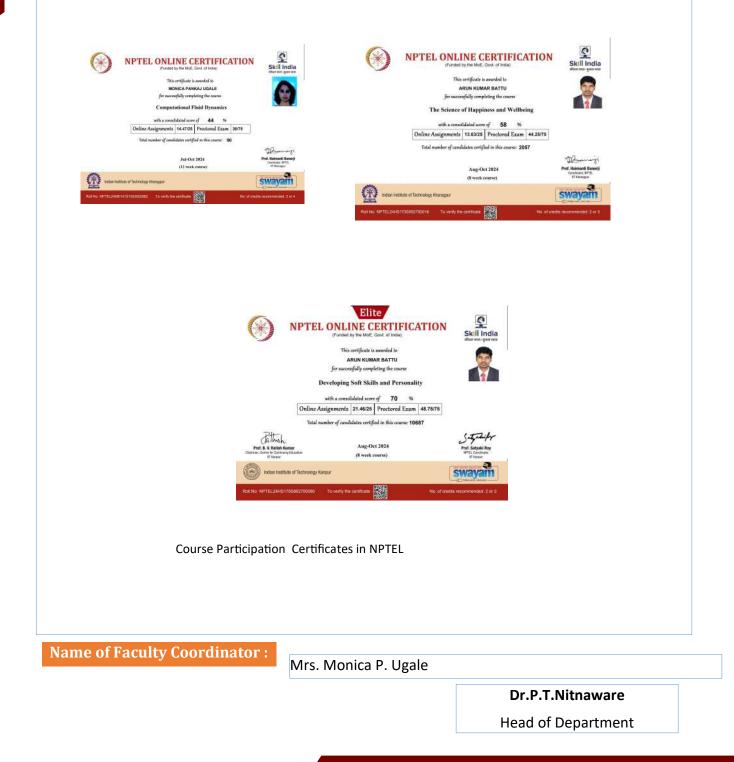
- Mr. Vaibhav Phule completed a course from Udemy Academy
- 1 "Bootcamp for Data Science and Machine Learning "on 2 December 2024.
- 2 "Collaborative Artificial Intelligence" on December 2024
- Following faculty completed NPTEL Course
- Mrs. S.K.Dhamale, Mrs. B.P.Bhor, Mr. N.S. Hirulkar completed NPTEL course, "Stress Management"





## Faculty Achievements:

- Following faculty completed NPTEL Course
- Mrs. M.P.Ugale completed NPTEL course, "Computational Fluid Dynamics "
- Mr. A.B. Battu completed NPTEL course, 1. The science of Happiness and Wellbeing 2. Developing Soft Skills and Personality





## D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44 DEPARTMENT OF MECHANICAL ENGINEERING

## **NEWS LETTER - NOVEMBER 2024**

#### **Students Achievements:**

- From Mechanical Department Shvet Sangam, Nayan Kshirsagar, Sneha More, Janhavi Hengade, Aaditya Latkar ,Preet Sambre, Vaishnavi Kumar, Anvesha Dhoke, Saisha Atre, Mohammad Ali participated in , "Technology Innovation Forum for Agricultural Nurturing on 10 October 2024".
- Following student are participated in Avishkar Project Competition
- 1. Mr. Kaushal Gandhi ,Sayali Nikam ,Gaurav Pandey, Varun Chaskar project entitled, "The Quickfit: Redefining car Jack Design & Dynamics"

2. Mr. Rushab Awhad, Lalit Betwal, Mohit Vedhane, Yash Khabale project entitled, "Development of Ecofriendly Filtration Technique and Water Treatment Solution during Indian Rituals"





Students participated in Avishkar Project Competition



Students participated in , "Technology Innovation Forum for Agricultural Nurturing ".

Name of Faculty Coordinator :

Mrs. Monica P. Ugale

Dr.P.T.Nitnaware

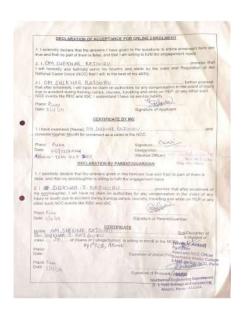


## D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44 DEPARTMENT OF MECHANICAL ENGINEERING

## **NEWS LETTER - NOVEMBER 2024**

#### **Students Achievements:**

- Om Shekhar Rajguru Selected as NCC Cadet from Pune Division.
- From Mechanical Department following students are SPPU TOPPER.
  - 1. Mr. Prathamesh S Lokhande
  - 2. Mr. Manish R Modak
- Mr. Aryan Surve represented a Startup Dronology Innovations pvt Ltd in "TARKSHASTRA ASIAN PARLIAMENTARY DEBATE "competition as a Deputy Prime Minister to where the topic was "This House Supports the Regulation of Algorithms in AI-Driven Startups to Prevent Unethical Use of Data and Bias." and secured a winning position.



Selected as NCC Cadet from Pune Division.



represented a Startup Dronology Innovations

Name of Faculty Coordinator :

Mrs. Monica P. Ugale

Dr.P.T.Nitnaware



## D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44 DEPARTMENT OF MECHANICAL ENGINEERING

## **NEWS LETTER - NOVEMBER 2024**

#### **Department Activiies:**

Mr. Nitesh Hirulkar, Mr. Manoj Lohate, Mr. Vinayak Bembrekar, Dr. P. T. Nitnaware organized expert lecture for TE Students on topic 'Sustainable Development', speaker is Mr. Sagar Wankhede from
 Development Engineer from Ecometric Engineering Solutions Pupe, on Nov '24, 2024 at 2:

Development Engineer from Ecometric Engineering Solutions Pune, on Nov '24, 2024 at 2:00 pm- 3:00 pm .100 students attended the expert lecture.

• MESA organized a Event, "Fire Fighting Drill" on 14th November 2024. Firefighting drills were conducted by guests Mr. Akshay Bhat and Mr. Parag Bagsad. 150 students attended the expert lecture.



Guest Lecture , "'Sustainable Development' "





Event "Fire Fighting Drill"

Name of Faculty Coordinator :

Mrs. Monica P. Ugale

Dr.P.T.Nitnaware



**NEWS LETTER – NOVEMBER 2024** 

#### Faculty Achievements and Participation:

• Dr. Bhagyashree Tingare, Assistant Professor of AIDS, has published E- book "Cybersecurity Strategies for Industrial Control Systems on SIP publisher in November 2024.

• Dr. Bhagyashree Tingare, Assistant Professor of AIDS, has published Patent "IOT BASED AGRI-CULTURE ROBOT FOR PESTICIDE SPRAYING" in November 2024.

PRELECTIVE PROPERTY NDA NI I SOMMI TAXA RAKES GOVERNMENT OF INDA GOVERNMENT OF INDA Mining of Commerce and Industry	In Engineering Technology and Science     (Peer-Reviewed, Open Access, Fully Referred International Journal)     (PSN-3582-5208
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Disclaime: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The formation under " Design Application Status" is dynamically retrieved and is under testing, therefore the information at eved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may ontact the appropriate Patert Office or send your comments to following email IDs: Design Office, Kolkata : controllierdesign[dot][po[at]]nic[dot][n Controller General of Patents, Designs and Trademarks	This certificate is awarded to NITA JAYESH MAHALE for successfully completing the course Cloud Computing with a consolidated score of 62 % Online Assignments 21.22/25 Proctored Exam 41.11/75 Total number of candidates certified in this course: 30816 DB
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#### Faculty Achievements and Participation

Name of Faculty Coordinator :

Mrs. Trupti G. Lonkar



**NEWS LETTER – NOVEMBER 2024** 

#### Faculty Achievements and Participation:

Mrs. Nitanjali Mane and Mrs. Rajshri Ingale, Assistant Professor of AIDS, has Participated in training program "Data Science with Python" Conducted by Wipro TalentNext from 11th November 2024



Faculty Achievements and Participation

Name of Faculty Coordinator :

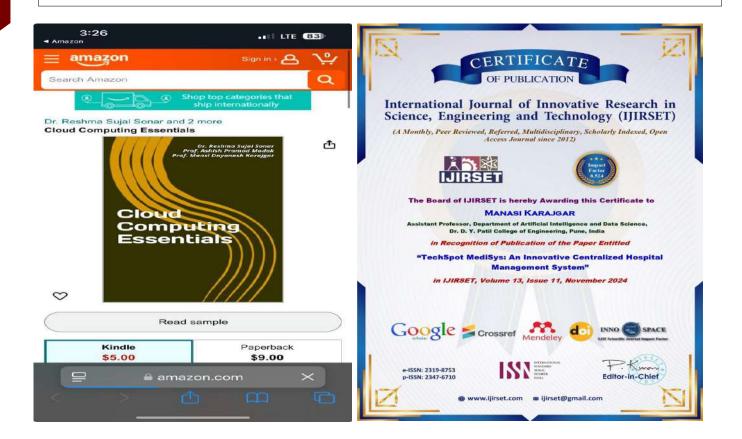
Mrs. Trupti G. Lonkar



#### **NEWS LETTER – NOVEMBER 2024**

#### Faculty Achievements and Participation:

- Mrs. Manasi Karajgar, Assistant Professor of AIDS, has published E- book "Cloud Computing Essential" on Amazon and published a paper "TechSpot MediSys: An Innovative Centralized Hospital Management System" in November 2024.
- Mrs. Rasika Wattamwar, Assistant Professor of AIDS, has published a paper "Human-Centric Design for Wearable Technology: Bridging Aesthetic and Functional Aspects in Smart Devices" in November 2024.



Panamerican Mathematical Journal ISSN: 1064-9735 Vol 35 No. 2s (2025)

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

Rasika Vishal Wattamwar<sup>1</sup>, Dhanraj Dhotre<sup>2</sup>, Sulochana Sagar Madachane<sup>3</sup>, Nilophar Tayyab Mulani<sup>4</sup>, Sunil Appaso Kumbhar<sup>5</sup>, Ravindra Suresh Kamble<sup>6</sup> <sup>1</sup>Department of Artificial Intelligence and Data Science, D Y Patil College of Engineering, Akurdi, Pune, India. <sup>2</sup>Department of Computer Science and Engineering, MIT School of Computing, MIT Art Design and Technology

University, Loni Kalbhor, Pune, India. <sup>1</sup>Department of Information Technology, SIES Graduate School of Technology, Neul, Navi Mumbai, India. <sup>4</sup>Department of Information Technology, D Y Patil College of Engineering, Akurdi, Pune, India. <sup>45</sup>Department of Computer Science and Engineering, School of Engineering and Technology, D Y Patil Agriculture and Technical University, Talsande, Kolhapur, India. rasikawattamwar3@gmail.com<sup>1</sup>, dharnj.dhotre@mituniversity.edu.in<sup>2</sup>, sulochana.madachane@gmail.com<sup>3</sup>, ntmulani@dypcoeakurdi.ac.in<sup>4</sup>, sunilkumbhar05@gmail.com<sup>5</sup>, ravikamble13@gmail.com<sup>6</sup>

#### Name of Faculty Coordinator :

#### Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar Head of Department

Faculty Achievements and Participation Certificates



## **NEWS LETTER – NOVEMBER 2024**

#### Students Achievements and Participation:

- Ms. Sonam Patole from TE A div, has successfully completed course "My SQL Basics" and "Advanced SQL" on November 2024.
- Mr. Aniket Waghmode from TE B div, has Successfully undergone Industrial Program on Machine Learning from Fox Trading from 01st Oct, 2024 to 15th Nov, 2024 and successfully completed the projects on "Predict Diabetes with Machine Learning" in 15th November 2024.
- Mr. Harshal Patil from TE A div, has successfully completed NPTL (Elite) course "Python for data Science" course duration FROM July 24 to October 2024.



Student Achievements Glimpse

Name of Faculty Coordinator :

Mrs. Trupti G. Lonkar



## **NEWS LETTER – NOVEMBER 2024**

#### Students Achievements and Participation:

- Ms. Manasvi Dusane SE C div, has got LPF scholarship is merit-cum-need based, and can provide up to INR 50,000 per year.
- Mr. Choudhary Dilipkumar from SE A Div, has successfully completed course "Cyber security 101 learning path" on 28th October 2024.
- Mr. Vivek Amrutkar and Mr. Ashish Ghosalkar from SE, has Participation in breaking into Tech: Navigating AI development and DSA on November 2024.



#### Student Achievements certificate

Name of Faculty Coordinator :

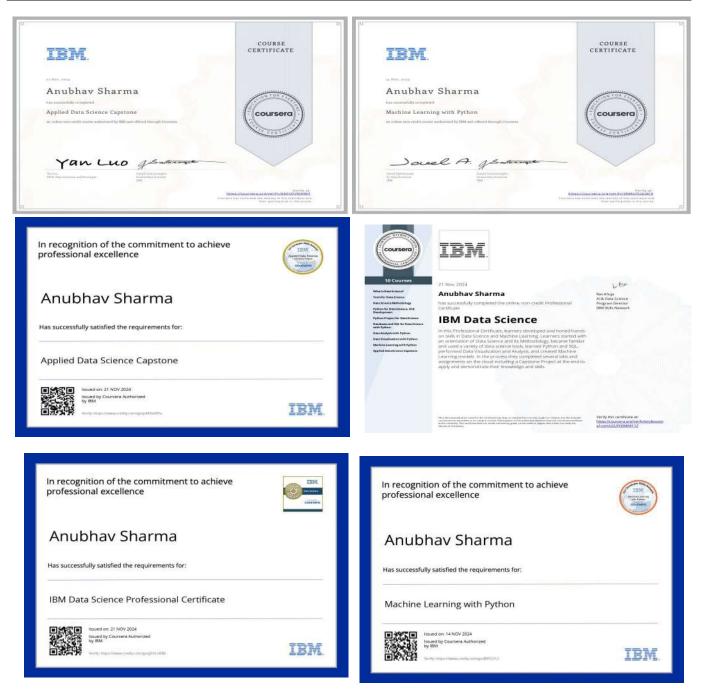
Mrs. Trupti G. Lonkar



## **NEWS LETTER – NOVEMBER 2024**

#### Students Achievements and Participation:

 Mr. Anubhav Sharma from TE A Div, has successfully completed course "Applied data science capstone", "IBM Data Science Certificate", "IBM Data Science", "Machine learning", "Machine learning" "IBM data science professional certificate" in November 2024.



Student Achievements certificate and Glimpse

Name of Faculty Coordinator : Mrs. Trupti G. Lonkar



## **NEWS LETTER – NOVEMBER 2024**

#### Students Achievements and Participation:

- Mr. Anubhav Sharma from TE A Div, has Successfully Completing first round of Dhairya Intercollege debate competition held on 16th November 2024.
- Ms. Nanadini Bavane from SE B div, successful completion of the 5-Day Basics of Al Workshop conducted by TechVritti in partnership with Microsoft" on 8th November 2024.
- Mr. Amish Faye from TE A div, has successfully completed course "Data Analysis with Python" on 14th November 2024.
- Mr. Aditya Vispute from TE A div, has successfully completed course "Programming and application foundation" on 21st November 2024.



Student Achievements certificate and Glimpse

Name of Faculty Coordinator :

Mrs. Trupti G. Lonkar



## **NEWS LETTER – NOVEMBER 2024**

#### Students Achievements and Participation:

• Mr. Sanmay Dattatray Kotkar from TE A div, has successfully completed NPTL course "Data Structure And Algorithm using Java" course duration from July 24 to October 2024.



Student Achievements certificate and Glimpse

Name of Faculty Coordinator :

Mrs. Trupti G. Lonkar



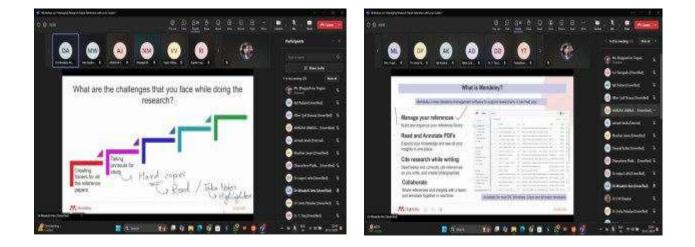
**NEWS LETTER – NOVEMBER 2024** 

#### Department activities:

Department of Artificial Intelligence and Data Science Engineering Organized Workshop on "Managing Research Paper Reference with your Guide" for Faculty members on 29th November 2024. Dr. Minakshi Atre, Mendeley Advisor and Elsevier Coordinator, HOD AIDS was the speaker for the session. Dr. Vinayak Kottawar and Dr. Bhagyashree Tingare coordinated the workshop. Around 71 participants, including faculty members, research scholars, and students attended the session.







Some Glimpses of the Workshop

Name of Faculty Coordinator :

Mrs. Trupti G. Lonkar

D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44 DEPARTMENT OF ROBOTICS AND AUTOMATION

## **NEWS LETTER – NOVEMBER 2024**

#### Faculty Achievements and Participation:

AKURD

- Dr. N. K. Kamble, H.O.D robotics and automation have published patent on "Green technology for lithium, nickel and cobal recycling in electric vehicle batteries."
- Dr. N. K. Kamble and Dr. S. S. Sarnobat have published paper on "On Mechanical Behavior and Characterization of soft Tissues "

Application Details	
APPLICATION NUMBER	202421055787
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/07/2024
APPLICANT NAME	1 . Mr. Nilesh Mohan Gosavi 2 . Dr. Nitin Kundlik Kamble 3 . Mr. Ramesh Dnyandeo Sul 4 . Mrs. Kalpana Shantling Lamture 5 . Mr. Ganesh Haribhau Kawade
TITLE OF INVENTION	GREEN TECHNOLOGY FOR LITHIUM, NICKEL AND COBALT RECYCLING IN ELECTRIC VEHICLI BATTERIES
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	volksphantomip@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	08/11/2024

# On Mechanical Behavior and Characterization of Soft Tissues

# Radhika Chavan<sup>1</sup>, Nitin Kamble<sup>2</sup>, Chetan Kuthe<sup>3</sup> and Sandeep Sarnobat<sup>2</sup>

<sup>1</sup>Department of Mechanical Engineering, D Y Patil College of Engineering, Akurdi, Pune, India. <sup>2</sup>Department of Robotics and Automation, D Y Patil College of Engineering, Akurdi, Pune, India. <sup>3</sup>Department of Mechanical Engineering, Maharashtra Institute of Technology, Aurangabad, India. Biomedical Engineering and Computational Biology Volume 15: 1–11 © The Author(s) 2024 Article reuse guidelines: sagepub.com/journals-permissions DOI: 10.1177/11795972241294115



Name of Faculty Coordinator :

Mrs. Tejas A. Jadhav

Dr N. K. Kamble Head of Department



# D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44 DEPARTMENT OF ROBOTICS AND AUTOMATION

## **NEWS LETTER – NOVEMBER 2024**

#### Faculty Achievements and Participation:

Mr. Pradnesh Padave approved Budge for conducting TRS-SCALE (Phase -2) under The Robotics Society

# **125** The Robotics Society

To,

D. Y. Patil College of Engineering, Akurdi, Pune Akurdi, Pune, Email: prpadave@dypcoeakurdi.ac.in

Subject: Budget Approval for conducting TRS-SCALE (Phase-2).

Approval Number: TRS-SCALE 2024/ Phase I/ (SC Registration No. -TRS-SC/23/036)

Madam/ Sir,

We are pleased to inform you that a budget amounting of Rs. 15,000.00 (Rupees Fifteen Thousand only) has been approved against the proposal submitted by you for conducting The Robotics Society-Student Chapter-Activity for Learning and Enriching (TRS-SCALE) in your TRS student chapter by January 2025 (Request for extension may be taken separately, if required).

TRS-SC Faculty Coordinator: Mr. Pradnesh,

This approval letter is based on the proposal submitted by the coordinator. The letter needs the signature of the coordinator and the competent authority of the Institution at end to accept the approval. The accepted letter should be sent back to the Secretary, TRS for release of the fund.

Best Wishes

600-

(TRS Secretary)

Name of Faculty Coordinator :

Mrs. Tejas A. Jadhav

Dr N. K. Kamble Head of Department



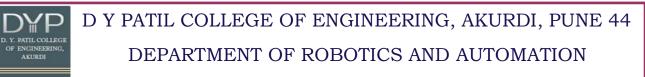
**NEWS LETTER – NOVEMBER 2024** 

#### Student Achievements and Participation:

- Mr. Aditya Chavan, student of final year completed Course certification on Disney Plus Hotstar Data Analysis Project in 90 min.
- Mr. Aditya Chavan , student of final year completed Course certification on Blinkit Data Analy-



Dr N. K. Kamble Head of Department



## **NEWS LETTER – NOVEMBER 2024**

#### Student Achievements and Participation:

- Mr. Omkar Yelsange, student of third year completed Course certification on Prompt Engineering for Everyone.
- Ms. Yugandhara Shinde , student of third year completed Course certification on Industrial Automation
- Mr. Om Harsule , student of third year Recognized as a Google Cloud Certified Associate Cloud Engineer







AKURDI

## **NEWS LETTER - NOVEMBER 2024**

## **Newsletter Team:**

Dr. Mrs. P. Malathi (Principal)

Mrs. Dipalee Divakar Rane , Assistant Professor, Computer Engineering Mrs. Arti A. Utikar, Assistant Professor, Instrumentation & Control Mrs. Swati S. Jadhav, Assistant Professor, First Year Engineering Mr. Hiraman Jadhav, Assistant Professor, Information Technology Ms. Dipalie Pujari, Assistant Professor, Electronics & Telecommunication Mrs. Monika P. Ugale, Assistant Professor, Mechanical Engineering Mrs. Trupti Lonkar, Assistant Professor, AI and DS Mrs. Neha Bagdiya, Assistant Professor, Civil Engineering Mrs. Tejas Jadhav, Assistant Professor, Robotics & Automation Ms. Supriya Sathe , Assistant Professor , Computer Engineering Mr. Ganesh Nimgire, Assistant Professor, First Year Engineering



## D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44

## **NEWS LETTER - NOVEMBER 2024**



Dr. Mrs. P. Malathi

Principal



Dr. S. S. Sarnobat Vice Principal



Mrs. Dipalee D. Rane Coordinator



Mrs. Arti A. Utikar

Coordinator



Mrs Swati S. Jadhav Coordinator



Mr. Hiraman Jadhav



Mrs. Monika P Ugale



Ms. Dipalie Pujari



Ms. Supriya Sathe



Mrs. Trupti Lonkar



Mr. Ganesh Nimgire



Mrs. Neha Bagdiya



Mrs. Tejas Jadhav

## **D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44**



## **NEWS LETTER - NOVEMBER 2024**



D. Y. Patil College of Engineering, Dr. D. Y. Patil Educational Complex, Sector 29, Nigdi Pradhikaran, Akurdi Pune 411044

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