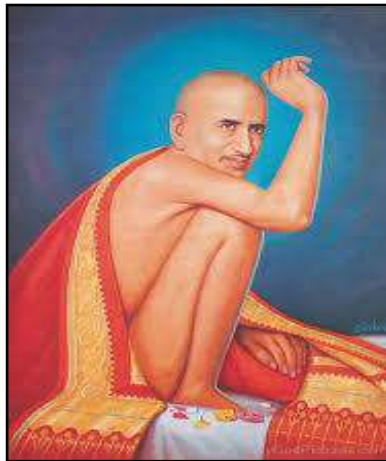


Dr D Y Patil Pratishthan's

D Y Patil College of Engineering Akurdi, Pune-411044

Affiliated to Savitribai Phule Pune University, Recognized by DTE & Govt of Maharashtra.

NEWS LETTER - JUNE-JULY 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 - JUNE-JULY 2024

College Team:

Dr. Mrs. P. Malathi, Principal

Dr. Sandeep S. Sarnobat, Dean Administration

Dr. Madhuri A. Potey , HOD, Computer Engineering

Dr. Preeti Patil, HOD, Information Technology

Dr. Bhausahab 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. Sanjay K. Babar, Dean Admissions

Dr. Sandeep Shiyekar, Dean R&D

Dr. Vinay A. Kulkarni, Dean IQAC

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

NEWS LETTER - JUNE-JULY 2024

Ashadhi Wari 2024 :

- Teaching & Non teaching members of Institute participated in Ashadhi Wari on 30/06/2024 organized by D. Y. Patil Educational Complex, Akurdi. Teaching faculty are as below: Dr. P. T. Nitnaware, Dr. S. K. Babar, Vipin Vibhute, Arati Gaikwad, Dr. Ashwini Patil, Neha Bagadiya, Utkarsha Kharade, Manisha Rajput, Mrunalini Shewale and non teaching members are: Bharati Ghadge, Revati Dandvate, Priti Kolte, Pallavi Malpathak, D. S. Aathvle, H. P. Surana an 27 students also participated in Wari.
- Arti Utikar and Dipalee Rane coordinated the Wari at campus level.



Ashadhi Wari 2024

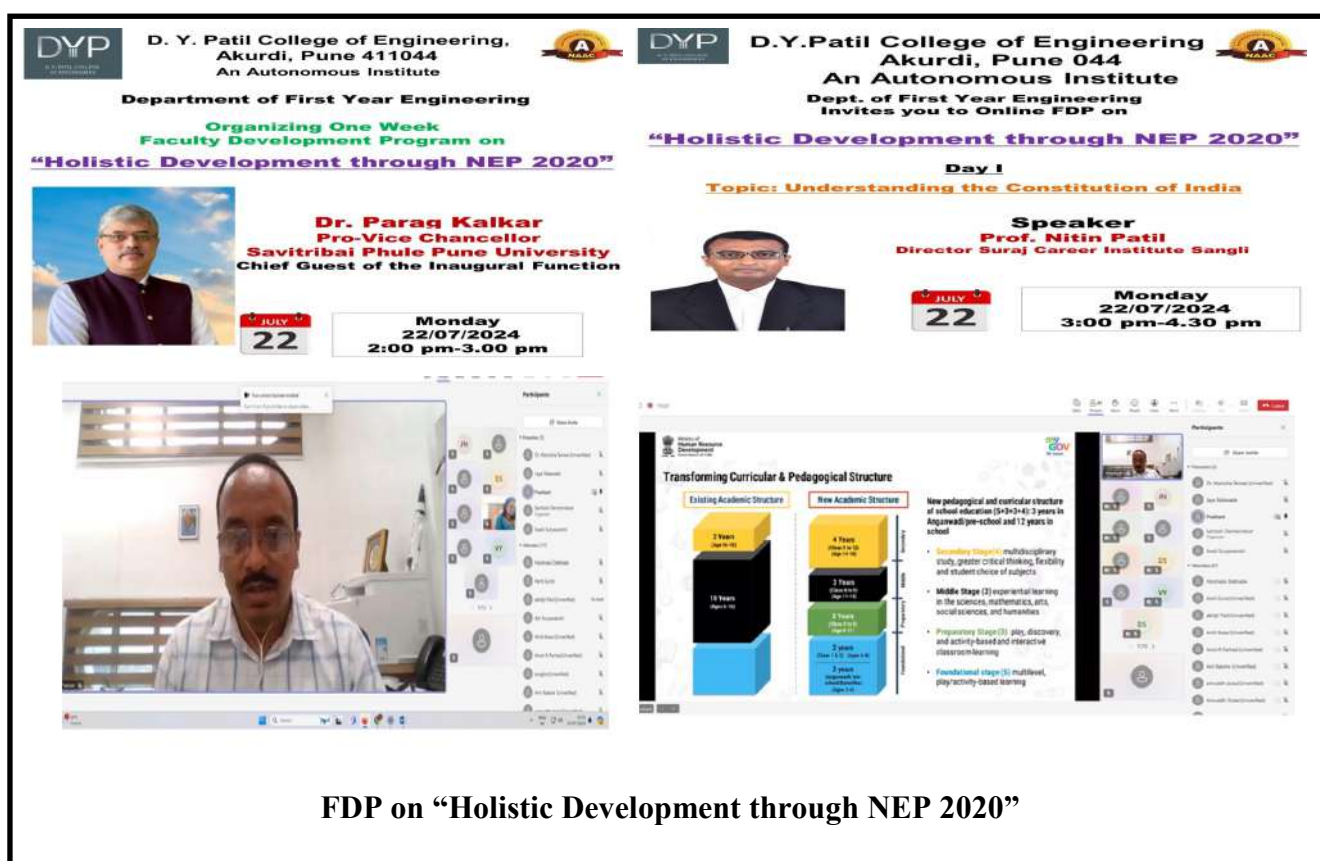
Name of Faculty Coordinator : Mrs. Arti Ajay Utikar

Dr. Mrs. P. Malathi
Principal

Department Activities :

FDP on “Holistic Development through NEP 2020”

1. Department of First Year B-Tech has organized one week faculty development program on "Holistic Development through NEP 2020" FROM 22-26 July 2024. Total 221 participants have participated in this FDP. This FDP aims to transform educators into facilitators of skill development ensuring that they can provide a holistic education that prepares students for both academics as well as professional success.
2. On First day 22 July from 2:00-3:00 pm we had inaugural function and for this function we had chief guest as Dr. Prag Kalkar Pro-Vice Chancellor, Savitribai Phule Pune University. After that from 3:00-4:30 there was a session on Understanding the constitution of India given by speaker Prof. Nitin Patil, Director Suraj Career Institute Sangli in category value education Course.
3. On Second day 23 July from 2:00-4:00 pm we had session on Challenges in implementation of NEP and Importance of Effective Communication in Higher Education given by Dr. Prashant Kodgire, Professor from Department of Bioscience and Biochemical Engineering, IIT, Indore in category Ability Enhancement course.



The image displays promotional materials for the FDP. On the left, a flyer for the inaugural function on Monday, 22/07/2024, from 2:00 pm to 3:00 pm, featuring Dr. Parag Kalkar as the Chief Guest. On the right, a flyer for Day 1 of the FDP on Monday, 22/07/2024, from 3:00 pm to 4:30 pm, featuring Prof. Nitin Patil as the speaker. Below these are screenshots of a Zoom meeting interface showing a participant and a slide titled 'Transforming Curricular & Pedagogical Structure' which compares the existing 10-year academic structure with a new 4-year structure aligned with NEP 2020.

FDP on “Holistic Development through NEP 2020”

Name of Faculty Coordinator :

Mr. Ganesh Nimgire

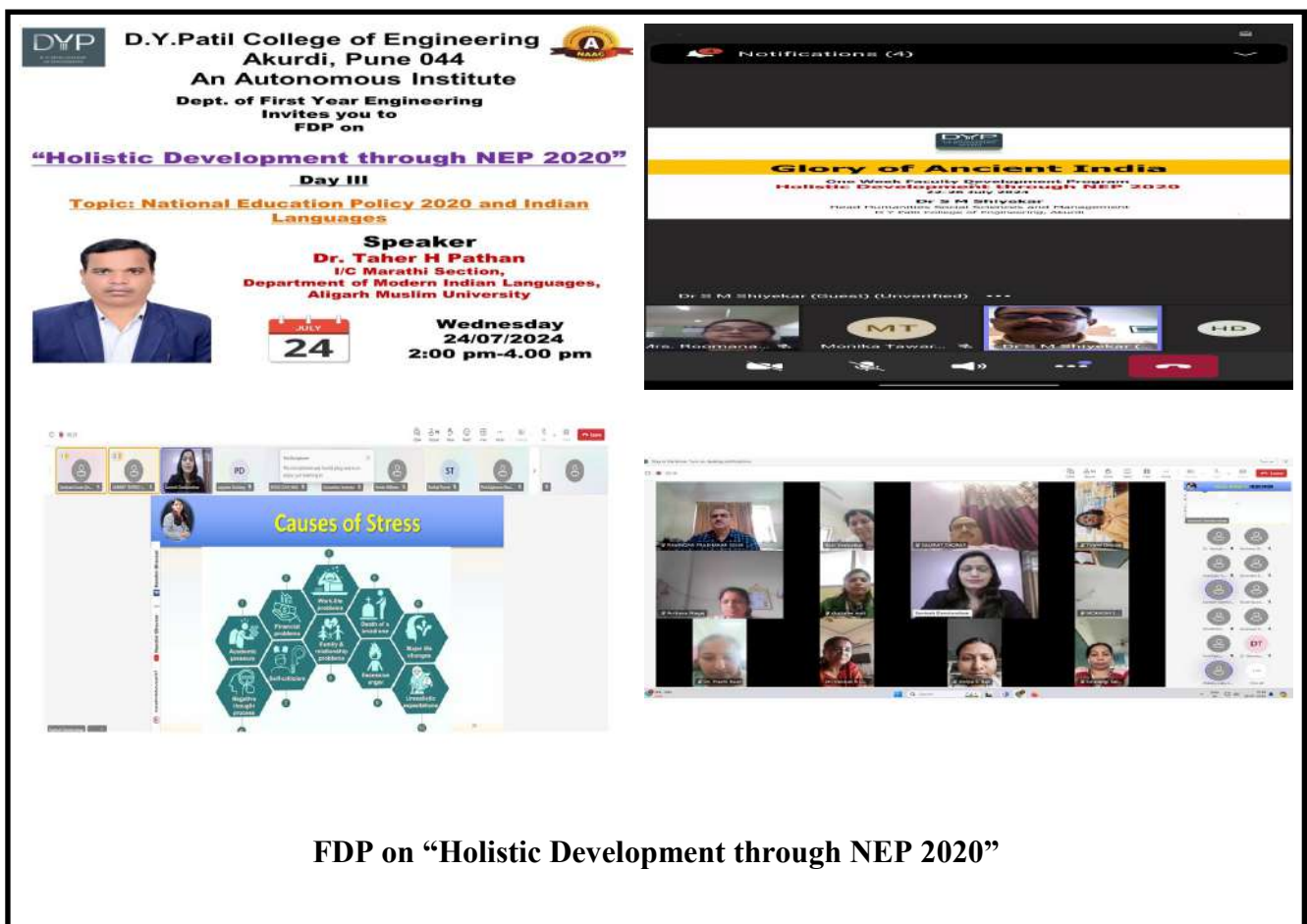
Dr. Manisha Tanwer

Head of F Y B Tech Department

Department Activities :

FDP on “Holistic Development through NEP 2020”

1. On day three 24 July 2024 from 2:00-4:00 pm there had been session on National Education Policy 2020 and Indian Language given by Dr.Taher H.Pathan,in charge Marathi Section ,Department of Modern Indian Language,Aliharh Muslim University, Aligarh UP in category of ability Enhancement course.
2. On day four 25 July from 2:00-4:00 pm there has session on “Glory of Ancient India” given by speaker Dr.S.M Shiyekar HOD Humanities, Social Science and Management ,D Y Patil College of Engineering ,Akurdi in category Indian Knowledge system.
3. On day five 26 July from 2:00-4:00 pm we had session on “Stress Management through Spirituality” given by Ms.Nandini Bavsar in category Co-curricular course.



**D.Y.Patil College of Engineering
Akurdi, Pune 044
An Autonomous Institute
Dept. of First Year Engineering
Invites you to
FDP on**

**“Holistic Development through NEP 2020”
Day III**

Topic: National Education Policy 2020 and Indian Languages

**Speaker
Dr. Taher H Pathan
I/C Marathi Section,
Department of Modern Indian Languages,
Aligarh Muslim University**

**Wednesday
24/07/2024
2:00 pm-4.00 pm**

Notifications (4)

Glory of Ancient India

**One Week Faculty Development Program
Holistic Development through NEP 2020
24-26 July 2024**

**Dr. S M Shiyekar
Head Humanities, Social Science and Management,
D.Y. Patil College of Engineering, Akurdi**

Dr. S M Shiyekar (Guest) (Unverified)

Causes of Stress

FDP on “Holistic Development through NEP 2020”

Name of Faculty Coordinator :

Mr.Ganesh Nimgire

Dr.Manisha Tanwer

Head of F Y B Tech Department

Faculty Achievement / Participation :

1. Mrs.Minal Rade-Firke has Delivered Lecture as Resource person in STTP on Energy Storage and Simulation of Electric Vehicle at Maharashtra Institute of Technology, Chhatrapati Sambhaji Nagar on 12 July 2024.
2. From First Year B-Tech Department total 40 faculties had participated in one week FDP on "Holistic Development through NEP 2020" FROM 22-26 July 2024 and also they had coordinated to organize this FDP successfully.
3. Mr.Rameshware Dhoke have attended National level offline FDP on "Training program Question Paper Design for Outcome Based Curriculum" on 22-26 June at NITTTR extension centre Shivajinagar ,Pune
4. Dr Pranjali Shinde have completed first year of MBA in category value added Course .



Faculty Achievement / Participation

Name of Faculty Coordinator :

Mr.Ganesh Nimgire

Dr.Manisha Tanwer
Head of F Y B Tech Department

Faculty Achievement / Participation :

1. Mr Santosh Damkondwar has published national level commercial patent on Milk Adulteration Monitoring Device on 7 june 2024 with patent application number 412492-002 .
2. Mr.Sunil Payghan has published paper titled “Performance of square footing under the axial and eccentric loading on reinforced non cohesive soil by geotextile : An Experimental Investigation” in the journal “International Journal of advance research and Innovative Ideas in Education” with number ISSN(O):2395-4396
3. Ms. Subhashini Ramteke has published paper titled “Comparative study of earthquake resistant building using STAAD PRO Software” in the journal “International Journal of Innovative Research in Technology”.
4. Mrs.Hnnie Williams has published paper tiled “Robust design of a two stage composite sliding mode controller for enhanced performance in large scale system” in the “International Journal of Modern Physics B.



The image contains two certificates. The top-left certificate is a patent from the Government of India, issued to Mr. Santosh Damkondwar for a 'Milk Adulteration Monitoring Device' on June 7, 2024. The top-right certificate is from the International Journal of Modern Physics B, published by World Scientific, for a paper by Sunil Payghan on square footings. The bottom certificate is from the International Journal of Innovative Research in Technology (IJIRT), published by the Board of International Journal of Innovative Research in Technology (ISSN 2349-6002), awarding a 'Certificate of Publication' to Subhashini Ramteke for her paper 'Comparative Study of Earthquake Resistant Buildings Using STAAD-PRO Software' in Volume 10, Issue 12, May 2024.

Faculty Achievement / Participation

Name of Faculty Coordinator : Mr.Ganesh Nimgire

Dr.Manisha Tanwer
Head of F Y B Tech Department

NEWS LETTER - JUNE-JULY 2024

Faculty Achievement / Participation :

1. Mr.Ramesh Sul and Mrs.Harshda Dhabhade have attended online STTP on “Indian Knowledge System” from 10-14 June organized by Anantrao Pawar College of Engineering,Parvati,Pune.
2. Mr.Komal Desai and Mrs.Madhuri Gurale have attended National level offline FDP on “Training program Multidisciplinary Education and research (NITTR)” on 10-14 June at NITTR extension centre Shivajinagar ,Pune.
3. From First Year Engineering Department total 19 faculties had attended online FDP on “National Education Policy 2020” on 24-28 June 2024 organized by D Y Patil College of Engineering, Akurdi,Pune-44.
4. Dr.Vrushali Patil have attended National level offline FDP on“Use of ICT to build capacity of Technical Teachers(NITTR)” on 24-28 June at NITTR extension centre Shivajinagar ,Pune.
5. Mrs Savita Jatti and Ms. Subhashini Ramteke have attended online FDP on Structural Health Monitoring and Safety on 25-29 June organized by D Y Patil College of Engineering, Management and Research ,Akurdi,Pune-44.



Faculty Achievement / Participation

Name of Faculty Coordinator :

Mr.Ganesh Nimgire

Dr.Manisha Tanwer

Head of F Y B Tech Department

NEWS LETTER - JUNE-JULY 2024

Faculty Achievement / Participation :

1. Dr.Vrushali Patil have successfully defended PhD viva-voce examination, Thesis entitled “Unraveling aspects of Mathematical Modeling Via Differentia; Equation” from Department of Mathematics, Malwanchal University, Indore.
2. Dr.Kavita Shinde have completed online training program on “Algebra, Analysis, Topology and Application” on May 27-June 1 organized by Manipal Institute of Technology, Manipal.
3. Dr.Pranjali Shinde worked as PhD Supervisor at Malwanchal University, Indore where two re-search scholars has awarded PhD.
4. Mrs.Madhuri Gurale worked as reviewer in 8th international conference on computing, Com-munication, control and automation organized by Pimpri Chinchwad college of Engineer-ing,Pune.
5. Ms.Jaya Nalawade had completed B.Ed First Year from Savitribai Phule Pune University.



The image displays three official documents. The top-left document is a certificate from Malwanchal University, Indore (MP), dated 22/06/2024, appointing Dr. Vrushali Shinde as a PhD Research Scholar. The top-right document is a certificate from Manipal Institute of Technology, Manipal, dated 22/06/2024, certifying Dr. Kavita Uttamrao Shinde's participation in an intensive training program on Algebra, Analysis, Topology, and Applications. The bottom document is a letter of appreciation from Malwanchal University, Indore, dated 22/06/2024, addressed to Dr. Pranjali Shinde regarding her participation in a research workshop.

Faculty Achievement / Participation

Name of Faculty Coordinator :

Mr.Ganesh Nimgire

Dr.Manisha Tanwer

Head of F Y B Tech Department

NEWS LETTER - JUNE-JULY 2024

Departmental Activities :

1. Department has organized Expert Lecture on “Interdepartmental Relationship and Master Stress Management” at institute level on 28th June 2024 by Dr. Bhakti Ware.
2. Department has conducted Induction Program for Second Year Students on 30th July 2024.
3. Dr Ashok More visited to Shri. Somnath Patil, Head, Energy & Water Department, The Government of Dubai (Arabic: governs the Emirate of Dubai had a discussion on future collaboration.

“Faculty Participation / Achievements :

1. Dr Ashwini Patil, Dr Ashok More, Dr S.M. Shiyekar, Mrs S.K. Sawant, Mrs P.G. Kalasur, Mr M.P. Chougale, Mr R.S. Patil and Ms N.V. Bagdiya has published patent on “A Graphene Oxide Based Concrete Incorporated with CUPOLA SLAG as Partial Replacement of Fine Aggregate”.
2. Dr Ashwini Patil has published copyright on “Students Employment Card”.
3. Mr Rajvardhan Patil has published copyright on “Optimizing Water Pipeline Route Selection Using Sparse Deep Neural Network and Fuzzy VIKOR Method
4. Dr Sachin Mane and Dr Sudhanshu Pathak have published paper in Scopus on “Effectiveness of ANN for forecasting of fracture toughness of concrete specimens”
5. Dr Ashok More and Dr Ashwini Patil have published paper in Scopus on “Investigate Strategies for Maximizing the Return on Investment in Construction Projects and Predicting their Viability”



Expert Lecture at Institute Level



Shri. Somnath Patil, Head, Energy & Water Department



Article Published



PhD Defense Completed

Name of Faculty Coordinator :

Ms Neha Bagdiya

Dr A.B. More

Head of Department

NEWS LETTER - JUNE-JULY 2024

Faculty Participation /Achievements :

6. Mrs Sneha Sawant and Dr Ashwini Patil have published paper in Scopus on “Optimal Allocation of non linear Viscous Dampers for building structures”.
7. Dr Ashwini Patil and Mrs Sneha Sawant have published paper in Scopus on “Study of Strength Parameters of Graphene base concrete with inclusion of industrial waste (Cupola Slag)”.
8. Dr Sudhanshu Pathak has published paper in UGC Care on “An analysis of safety management for high rise building and Improving material management construction on construction project”.
9. Dr S.M. Shiyekar has published paper in Scopus on “Analytical and Numerical Investigation of Multi-layered Sandwich Structures under Static and Dynamic Conditions”.
10. Mr Mukesh Dhatunde has published paper in UGC Care on “Identification of groundwater potential zone using GIS and AHP analysis for Latur Region and Landslide Susceptibility mapping using GIS and AHP for Dhanowali village”.
11. Mr. Rajvardhan Patil has published paper in UGC Care on “construction project monitoring system”.
12. Mrs Aradhana Chavan has published paper in UGC Care on “Analyzing and Managing Bridge Cum Bandhara Construction Project: A Review”.



Article Published in Maharashtra Times



Felicitations by Rotary Club Shaniwarwada

Name of Faculty Coordinator :

Ms Neha Bagdiya

Dr A.B. More
Head of Department

NEWS LETTER - JUNE-JULY 2024

Faculty Participation /Achievements:

- 13. Dr S.M. Shiyekar has published book chapter on "Recent Advances in Material, Manufacturing and Machine Learning" in CRC Press (Taylor and Francis) publisher and also published article on Civil Engineering.
- 14. Mahesh V Tatikonda & Sudhanshu Pathak have done the consultancy work on hostel project with the funding agency named Unique Contracts PVT Ltd.
- 15. Dr Ashwini Patil Received Research Grant of ru 1 lakh as Co Investigator from (Under Multidisciplinary team Dr V A Kulkarni-Principal Investigator) with name of funding agency Boot stamp Skills Pvt. Ltd
- 16. Mr. Mukund P Chougale have attended one week FDP on "Recent advances and Research scope in Geotechnical Engineering" organised on 3rd -7th June 2024 by Civil Engineering department of Jorhat Engineering College Garmur, Jorhat, Assam
- 17. Dr Sudhanshu Pathak have attended one week FDP on "NEP Orientation & Sensitization program through online mode BY UGC Malaviya mission teacher training program".
- 18. Ms Neha Bagdiya and Mrs. Prital Kalasur attended one week STTP on "Pedagogical Practices With NEP Implementation Of Curriculum Development".
- 19. Mrs. Sukhada Shelar, Mrs. Mrunalini, Ms Neha Bagdiya, Mahesh V Tatikonda and Mr Rajwardhan Patil attended One week FDP on "National Education policy 2020" 24 June 2024 to 28 June 2024.



Paper Published in Scopus



international Yoga Day Celebration

Name of Faculty Coordinator :

Ms Neha Bagdiya

Dr A.B. More

Head of Department

NEWS LETTER - JUNE-JULY 2024

Faculty Participation /Achievements:

- 20.Mr.Rajvardhan Patil attended one week Workshop on "Recent Trends in Geotechnical Engineering " 25 June 2024 to 29 June 2024.
- 21.Mrs. Sharmistha Chakraborty attended one week FDP on "Use of ICT to build capacity of technical teachers" at NITTTR,Pune.
- 22.Mrs. Mrunalini Shewale,Mrs. Sukhada shelar, Mr. Avdhut Kulkarni attended one week STTP on "Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering".
- 23.Mr. Avadhut Kulkarni attended one week Online STTP on "Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering" from 10th to 14th June 2024.
- 24.Mr.Mukesh Dhatunde attended One week FDP on " Entrepreneurship and innovation Management"24 June 2024 to 28 June 2024.
- 25.Dr Ashwini Patil got Recognition as a Research Supervisor by SPPU.
- 26.Dr Ashok More,Mrs Smita Pataskar,Ms Neha Bagdiya,Mrs Aradhana Chavan and Mr Avadhut Kulkarni Attended AGM of ISTE at JSPM.
- 27.Dr Ashok More Invited as Resource Person on World Environment Day at "Pimpri Chinchwad Science Park and Marathi Vidnyan Parishad".



Book Chapter Published



Invited as Resource Person for World Environmental Day

Name of Faculty Coordinator :

Ms Neha Bagdiya

Dr A.B.More

Head of Department

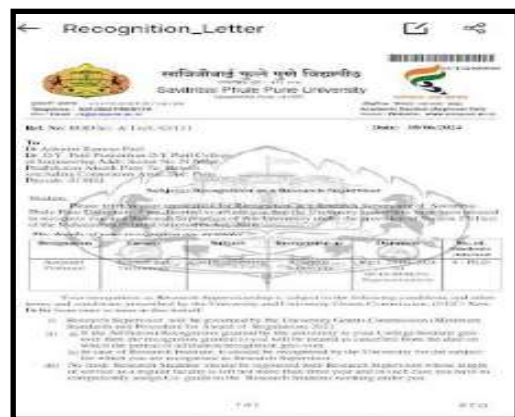
NEWS LETTER - JUNE-JULY 2024

Faculty Participation / Achievements:

- 28. Dr. Ashok More, Dr. Smita Pataskar, Dr. S J Mane, Dr Ashwini Patil, Prital Kalsur, Sunil Payghan Attended Celebration of World Environment Day at Institution of Engineering, Pune Chapter.
- 29. Dr. Smita Pataskar completed PhD Defence at Department of Technology, SPPU.
- 30. Mrs. Sharmistha Chakraborty was the Journal Reviewer at International Journal of Creative Research Thoughts.
- 31. Mr. Mukesh Dhatunde had done Polling Officer duty on Lok Sabha Election, Maval constituency.
- 32. Dr. S. M. Shiyekar Appointed as Head of Humanities Social Science and Management Department of the Institute.
- 33. Mr. Rajvardhan Patil was Reviewer of Springer Nature- Water Resources Management Journal.
- 34. Dr. Smita Pataskar published paper in UGC care on "Simulation of Traffic Signals At Unsignalised Intersect and Optimizing traffic signal using VISSIM software at signalized intersection .
- 35. Dr Sushant Waghmare published paper in UGC care on "Studies on Forecasting Compressive Strength of Zeolite-blended Concrete via Regression ".
- 36. Mrs Sneha Sawant published paper in UGC care on "Testing of Recycled Aggregate of Construction and Demolition Waste and Study of Recycled Aggregate".



Attended AGM meeting of ISTE at JSPM, College



Recognition as Research Supervisor

Name of Faculty Coordinator :

Ms Neha Bagdiya

Dr A.B.More

Head of Department

NEWS LETTER - JUNE-JULY 2024

Faculty Participation / Achievements:

37. Mr. Mukesh Datunde attended webinar on "Soil Carbon Footprints to identify climate-smart soils for carbon trading".
38. Rajvardhan Patil attended international conference on "Advances in Civil Engineering" (ICACE-24) Conference Date 28 & 29 June 2024, Sandip University Nashik.
39. Sneha K Sawant attended One Week Short Term Training Programme on "Multidisciplinary Education and Research" NITTR from 10th June to 14th June 2024.
40. All faculty members have attended One week FDP on "Holistic Development through NEP 2020".
41. Mrs. Sukhada Shelar, Mrs. Mrunalini Shewale attended teachers training on "NEP orientation and Sensitization Programme" by Coimbatore Institute of Technology.
42. Dr. Sachin Mane appointed as external examiner at M.E Project oral Examination at Solapur University.
43. Dr. Smita Pataskar felicitated by Rotary Club Shaniwarwada for successful completion of PhD at Department of Technology, SPPU.
44. Dr. Smita Pataskar article published in Maharashtra Times.



Received Research Grant



One week FDP Attended Certificate

Name of Faculty Coordinator :

Ms Neha Bagdiya

Dr A.B. More

Head of Department

NEWS LETTER JUNE—JULY 2024

Students Participation /Achievements :

- 1.Sai Patil from Third Year got Best Anchor of the Event award which is organized by Khandesh Mahotsav
- 2.Nilesh Patil,Vaishnavi Gaikwad,Sandip Gaikwad and Nileshkumar Karande From final year got placed in Anante Designs Pvt.Ltd.
- 3.Dikshant Jadhav from final year got placed in Ultra Tech Cement Pvt Ltd.
- 4.Jyoti Pendharkar, Bhushan Wagh, Vrutant Yarmal and Satish Kankal have participated in National Cube Casting Competition On 15th July .
- 5.Om Navnath shete delivered guest lecture on topic -entrepreneurship development/ awareness for future entrepreneurs which is organized by GS Moze College of Engineering, Baner .



Invited as Resource Person for Guest Lecture

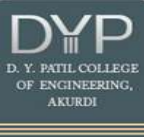


Participated in National Cube Casting Competition

Name of Faculty Coordinator :

Ms Neha Bagdiya

Dr A.B.More
Head of Department



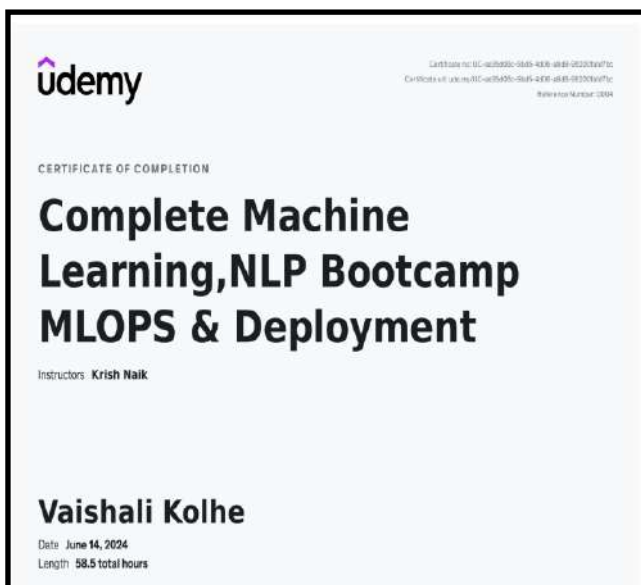
D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44

DEPARTMENT OF COMPUTER ENGINEERING

NEWS LETTER - JUNE - JULY 2024

Faculty Achievements/ Participation :

1. Ms. Vaishali Kolhe has completed course “ Complete Machine Learning, NLP Bootcamp MLOPS & Deployment” conducted by Udemy.
2. Ms. Deepali Gohil has completed course “ Build REST APIs with Django REST Framework and Python” conducted by Udemy.
3. Ms. Dhanashree Phalke and Ms. Deepali Gohil have voluntarily contributed as a Reviewer for the 2024 International Conference on Innovations and Challenges in Emerging Technologies (ICICET-24) organized by G H Raisoni College of Engineering, Nagpur, INDIA, in association with GHR Lab and Research Center on 7 & 8 June 2024.



Faculty Achievements/ Participation

Name of Faculty Coordinator :

Ms.Supriya Sathe

Dr Mrs.M.A.Potey
Head of Department



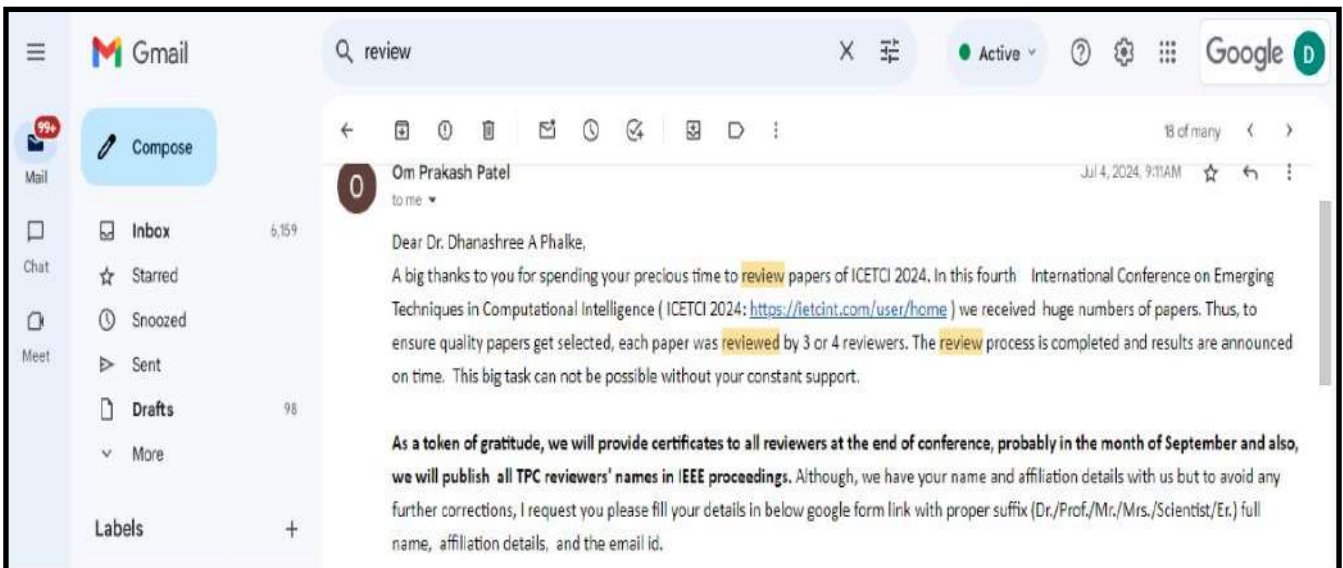
D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44
DEPARTMENT OF COMPUTER ENGINEERING

NEWS LETTER - JUNE – JULY 2024

Faculty Achievements/ Participation :

4. M.Deepali Rane, Ms.Vaishali Kolhe, Ms.Dipalee Gohil and Ms.Dhanashri Phalke have completed One Week Online Faculty Development Program on "Recent Trends in Computing 4.0 Organized by the Department of Computer Engineering, Vishwakarma Institute of Technology. Pune, from 8th July to 13th July 2024.

5.Ms.Dhanashri Phalke has worked as paper reviewer in fourth International Conference on Emerging Techniques in Computational intelligence (ICETCI).



Faculty Achievements/ Participation

Name of Faculty Coordinator :

Ms.Supriya Sathe

Dr Mrs.M.A.Potey
Head of Department



D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44

DEPARTMENT OF COMPUTER ENGINEERING

NEWS LETTER - JUNE – JULY 2024

Faculty Achievements/ Participation :

6.Ms.D.D.Rane has completed One Week STTP on "Question paper designing for OBE Organized by Offline, NITTR Center Shivaji Nagar , from 22th July to 26th July 2024.



Faculty Achievements/ Participation

Name of Faculty Coordinator :

Ms.Supriya Sathe

Dr Mrs.M.A.Potey
Head of Department

Department Activities:

1. S.E Induction Program was conducted on 10th July 2024 are attended for induction Mrs. Shilpa Mahajani, Sr. Manager HR, Learning and Development and Campus Recruitment Partner (West/ Central India), Cognizant, along with Actor, Writer, Director, Anaesthesiologist and Motivational Speaker Dr. Sanjeevkumar Patil sir and Alumnus from Computer Engineering Department Dr. Amit Andre sir, who is CEO at The DataTech Labs Inc.
2. T.E. Induction Program was held on 18th July 2024. Speaker for program are Mr. Pratik Gade, CEO Perfect Skills, Dr Arpita Kathane, Director Idealizeer Content Solution PVT.



Department Activities:

Name of Faculty Coordinator :

Ms.Supriya Sathe

Dr Mrs.M.A.Potey
Head of Department

Department Activities:

- 3. B.E. Induction Program was held on 23rd July 2024. Speaker for program is Mr. Sanket Jain Alumni of Computer Department . Total 82 students were present.
- 4.Seminar and BE project orientation for TE students and BE Students respectively



Department Activities:

Name of Faculty Coordinator :

Ms.Supriya Sathe

Dr Mrs.M.A.Potey
Head of Department



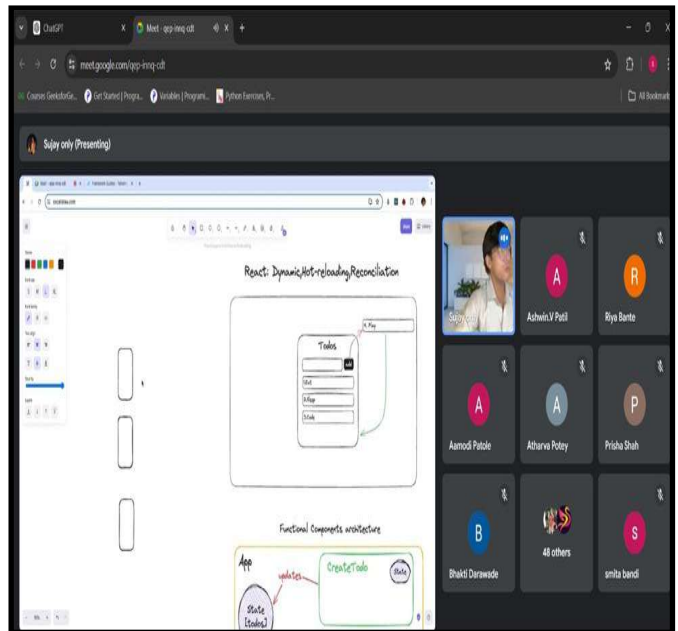
D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44
DEPARTMENT OF COMPUTER ENGINEERING

NEWS LETTER - JUNE – JULY 2024

Department Activities:

5. REACT WORKSHOP was conducted by ACM team for SE & TE students on 15th July to 20 July 2024 organizing faculty members are Ms. D. A. Phalke and Ms. Supriya Sathe.

6. Three Days Workshop on AI & ML was conducted for TE and BE students by Dr.A. J. Patankar, Ms. N. S. Patil, Ms. S. B. Sathe.



Department Activities:

Name of Faculty Coordinator :

Ms. Supriya Sathe

Dr Mrs.M.A.Potey
Head of Department



D Y PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE 44
DEPARTMENT OF COMPUTER ENGINEERING

NEWS LETTER - JUNE – JULY 2024

Department Activities:

7. Five Days Training Program on Database and Cyber Security Enhancements for Industry 4.0 is organized by PRADNYAN ACM Student Chapter Department of Computer Engineering, on July 30st-2024 to 3rd August 2024



Department Activities:

Name of Faculty Coordinator :

Ms.Supriya Sathe

Dr Mrs.M.A.Potey
Head of Department

NEWS LETTER - JUNE-JULY 2024

Faculty Achievements/Participations:

1. **Dr Mrs P Malathi** was awarded as a winner of IEEE event (Quiz topper) on July 3rd 2024.
2. **Ph.D. Defence of Dr. Minaxi Doorwar** was completed successfully - PhD student of Dr. Malathi madam at our Research Centre.
3. **Dr. Manish Sharma** published a patent on "BLOCKCHAIN-DRIVEN DATA ANALYTICS PLATFORM FOR CYBERSECURITY ENHANCEMENT IN COMPUTER ENGINEERING " with Application No.202421033598 A
4. **Dr. Manish Sharma** received a design patent grant on "BLOCKCHAIN-POWERED SECURE DATA EXCHANGE DEVICE FOR AI-DRIVEN CYBER THREAT INTELLIGENCE " with Design No 415154-001
5. **Mrs Usha Jadhav** attended One week STTP on "Bridging Academia by Advancing Research and Teaching with AI and Machine Learning" organized by DYPIT Pimpri from 1st-5th July 2024.
6. **Mr. Yogesh Shirke** attended 1 week STTP on "Use of ICT to Build Capacity of Technical Teachers" organized by NITTTR Extension center Pune from 24th-28th June 2024
7. **Mrs. Swati Aswale** published a copyright on "HAND GESTURE CONTROL SMART WHEELCHAIR " with L-149810/2024 .
8. **Mrs. Swati Aswale** participated in a STTP conducted by NITTTR Extension center Pune from 10th-14th June 2024.
9. **Mrs Sayali Mane, Mrs V L Bagal, Mrs R K Jha, Mrs Shraddha Gaikwad, Ms Dipalie Pujari , Mrs M A Pant** attended the STTP on "Recent Trends in AI ,ML and IOT" organized by SKNCOE Pune.
10. **Mrs. Shraddha Gaikwad** and **Mrs. M A Pant** attended the FDP on NEP 2020 organized by Department of Mechanical Engineering, DYPCOE, Ak.
11. **Mrs. Shraddha Gaikwad** attended the FDP on Universal Human Values organized by AICTE.
12. **Mrs. Shailaja Yadav** attended One week STTP on Question Paper Design for outcome based curriculum at NITTTR extension center, Pune
13. **Mrs. Aparna Shinde** participated and successfully completed One Week Virtual Hands-on Faculty Development Program on "Cloud Computing Using AWS" organized by Mohan Babu University, Tirupati in collaboration with APSSDC, Guntur from 08-07-2024 to 13-07-2024.
14. **Mrs Jaya Wakode** participated in FDP on "Holistic Development through NEP 2020" organized by Department of First Year Engineering DYPCOE Akurdi from 22nd July to 26th July 2024.

Name of Faculty Coordinator :

Dipalie Pujari

Dr. Rutuja Deshmukh
Head of the Department

NEWS LETTER - JUNE-JULY 2024



(1) PATENT APPLICATION PUBLICATION	(2) Application No.2024033589 A
(3) INDIA	
(2) Date of filing of Application: 27/04/2024	(4) Publication Date: 11/05/2024
(5) Title of the invention: BLOCKCHAIN-DRIVEN DATA ANALYTICS PLATFORM FOR CYBERSECURITY ENHANCEMENT IN COMPUTER ENGINEERING	
(6) International classification: G06F21/60, H04L63/02, G06Q10/00, H04E01/00	(7) Name of Applicant: 1) Dr. Vinit Gupta Address of Applicant: Electronics Department, Mod-Caps University, Indore
(8) International Application No: NA Filing Date: NA	2) Mr. Mohammed Rafi Rehman Shaikh 3) Dr. Usha Sharma 4) Dr. Adithya Mandali 5) Mr. Nitesh Sani Name of Applicant: NA Address of Applicant: NA
(9) International Publication No: NA Filing Date: NA	(12) Name of Inventor: 1) Dr. Vinit Gupta Address of Applicant: Electronics Department, Mod-Caps University, Indore
(10) Patent of Addition to Application Number: NA Filing Date: NA	2) Mr. Mohammed Rafi Rehman Shaikh Address of Applicant: Fremont, TX, USA
(11) Divisional Application Number: NA Filing Date: NA	3) Dr. Usha Sharma Address of Applicant: D Y Patil College of Engineering, Akurdi, Pune
	4) Dr. Adithya Mandali Address of Applicant: Electronics Department, Mod-Caps University, Indore
	5) Mr. Nitesh Sani Address of Applicant: Electronics Department, Mod-Caps University, Indore



Pictures of Achievements /Participations/Certificates

Name of Faculty Coordinator :

Dipalje Pujari

Dr. Rutuja Deshmukh
Head of the Department

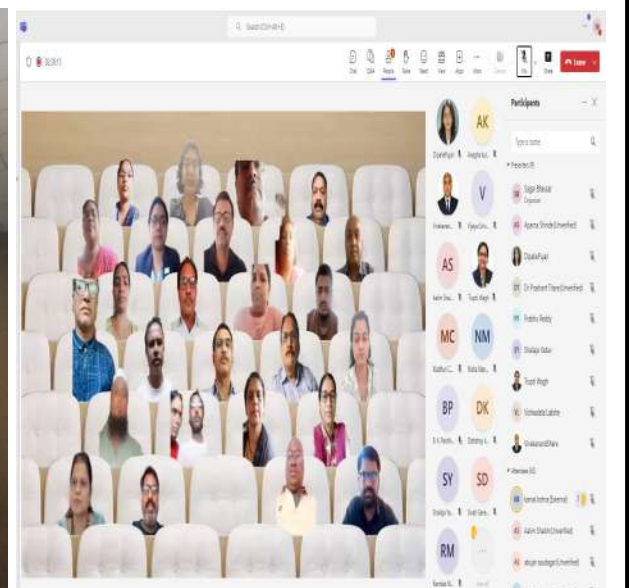
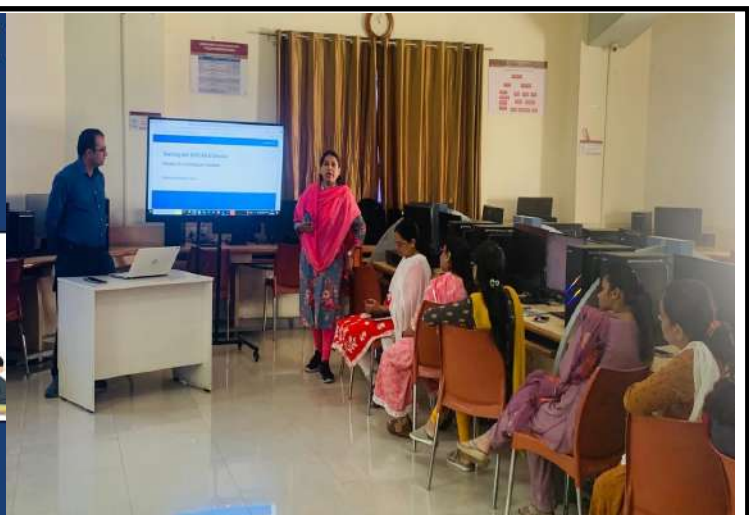
NEWS LETTER - JUNE-JULY 2024

1. Department Activities:

1. An offline **Hands on workshop** on Artificial Intelligence (AI) and its applications using MATLAB, organized by Department of Electronics & Telecommunication, D Y Patil College of Engineering, Akurdi in association with Design Tech Systems Pvt Ltd & Mathworks.

2. **Induction program** for SE students was conducted on 13/7/2024 where we had conducted lectures by various Industry experts.

3. **Parents Teacher meet** was conducted in online mode for SE/TE/BE parents on 27/07/24.



Pictures of the Events

Name of Faculty Coordinator :

Dipalje Pujari

Dr. Rutuja Deshmukh
 Head of the Department

NEWS LETTER - JUNE-JULY 2024

Students Achievements:

- 1.Sanika Rajesh Ambildhuke won First position in PBL project competition held at D.Y. Patil College of Engineering Akurdi.
- 2.Arpan P Yeole got the certificate of appreciation for GDSC management lead position by Google Developer Students Club
3. Pratik Valse completed a Basic C programming certificates course from Simple learning skill up .



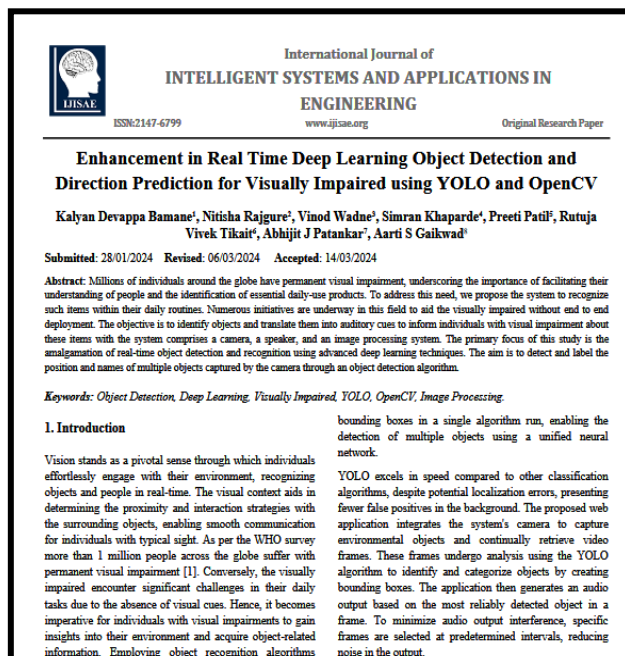
Name of Faculty Coordinator :

Dipalje Pujari

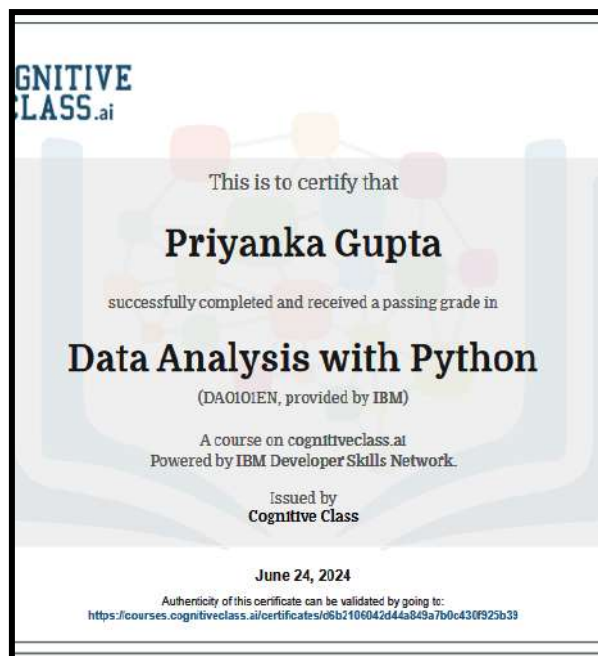
Dr. Rutuja Deshmukh
Head of the Department

Faculty Achievements/Participations :

1. Dr Preeti Patil, Mrs Arati Gaikwad has presented paper entitled 'Enhancement in real time Deep Learning object Detection and Direction Prediction for visually impaired using YOLO and OpenCV by International Journal of Intelligent Systems and Applications in Engineering on Jun 2024.
2. Mrs Priyanka Gupta has Successfully completed and received a passing grade in Data Analysis with Python by Cognitive Class IBM on 24th Jun 2024.
3. Mrs Himani Patel has participating in the training program on Java Full stack conducted by Talent Next from 24th Jun 2024 to 12th July 2024.
4. Mrs Arati Gaikwad has presented paper entitled 'Comparative Analysis of Human Pose Estimation with Fall Detection and Smart Alarming System by journal of Electrical Systems on July 2024.
5. Mrs Dipali Patil has participating in the training program on Java Full stack conducted by Talent Next from 24th Jun 2024 to 12th July 2024.
6. Mrs Himani Patel has Published a Book chapter on Artificial Intelligence for Research by MJP Publisher on July 2024.
7. Dr Preeti Patil has presented paper entitled "Analyzing electroencephalogram signals with machine learning to comprehend online learning media by IJEECS on July 2024.



“Paper Publication”



“Completion Certificate”

Name of Faculty Coordinator :

Mr Hiraman Jadhav

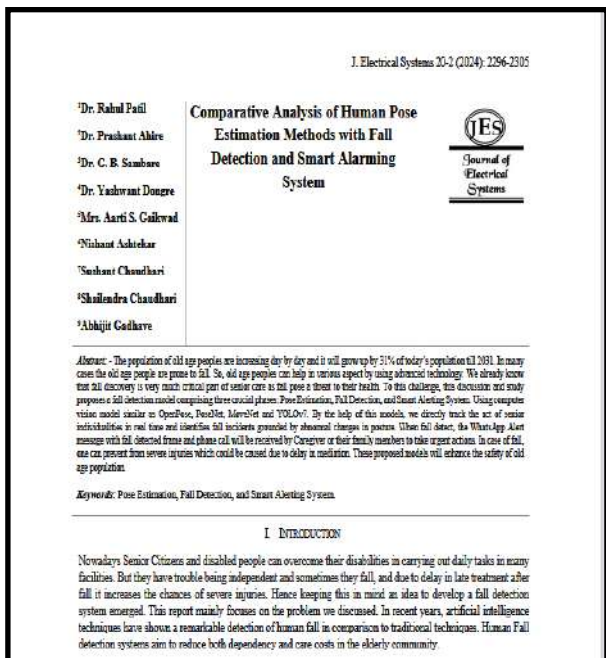
Dr Preeti Patil
Head of Department

Faculty Achievements/Participations :

8. Dr Latika Desai has Published a Book chapter on Study of an Innovative approach to IOT based Human Activity Recognition by B.P International on July 2024.



“Training Certificates”



“Paper Publication”

Name of Faculty Coordinator :

Mr Hiranman Jadhav

Dr Preeti Patil
Head of Department

NEWS LETTER - JUNE-JULY 2024

Faculty Achievements/Participations :

9. Mrs. Renuka Satyajeet Patil has participated and successfully completed the 5-day Online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 17th June to 21st June 2024



“FDP Certificates”

Name of Faculty Coordinator :

Mr Hiraman Jadhav

Dr Preeti Patil
Head of Department

Department Activity :

1. Department of Information Technology Organized Second Year Induction Program on 18th July 2024.



“Second Year Induction Program”

Name of Faculty Coordinator :

Mr Hiraman Jadhav

Dr Preeti Patil
Head of Department

Department Activity :

1. Department of Information Technology Organized Third Year Seminar under ISTE student chapter program on Thursday, 18th July 2024.



“Third Year Seminar under ISTE ”

Name of Faculty Coordinator :

Mr Hiranman Jadhav

Dr Preeti Patil
Head of Department

Department Activity :

1. Department of Information Technology Organized Expert Session on Academic Excellence in Technical Educations on 19th July 2024.



“Expert Session”

Name of Faculty Coordinator :

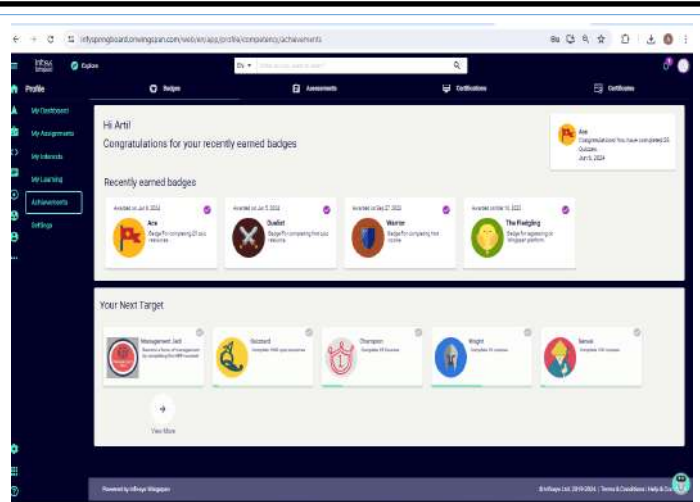
Mr Hiranman Jadhav

Dr Preeti Patil
Head of Department

NEWS LETTER - JUNE-JULY 2024

Faculty Achievements/Participations :

- ◆ Mrs. Arti A. Utikar has successfully completed course on “Time Management” organized by Infosys Springboard also earned Ace badge.
- ◆ Mrs. Arti A. Utikar has successfully attended one week FDP on “Employing Industrial Quality Management Systems for Quality Assurance in OBE” organized by SVERI’s College Of Engineering, Pandharpur from 19/6/2024 to 24/6/2024.
- ◆ Mrs. Arti A. Utikar published a patent on “Advanced Encryption Algorithm based on Elliptic Curve Cryptography” along with institute research team on 21/06/2024
- ◆ Dr. Yogesh H Patil attended five day FDP on Multidisciplinary Education and Research from 10 to 14 June 2024 organized by National Teachers Training Institute, Extension Center, Pune.
- ◆ Mrs. Archana R. Kesti has attended one day workshop on “Artificial Intelligence and its applications using MATLAB” on 14/6/2024 organized by Department of E&Tc, DYP COE Akurdi.



Arti Utikar Certificate & Earned badge



- ◆ Mrs. Archana R. Kesti attended five days FDP on National Education Policy 2020 from 24 June 2024 to 28 June 2024 organized by DYP COE Mechanical Department.

Name of Faculty Coordinator : Mrs. Arti Ajay Utikar

Dr B. B. Musmade
Head of Department

NEWS LETTER - JUNE-JULY 2024

Faculty Achievements/Participations :

- ◆ Ms. Shital Patil attended Five days FDP on Universal Human Values from 17th june 2024 to 22 june 2024 organized by AICTE.
- ◆ Ms. Shital Patil attended Five days FDP on National Education Policy 2020 from 24 june 2024 to 28 june 2024 organized by DYPCOE Mechanical Department.
- ◆ Mrs. Garima Tiwari attended five day FDP on Question Paper design based on Outcome based Education from 22 to26 july 2024 organized by National Teachers Training Institute, Extension Center, Pune.
- ◆ Dr. Yogesh H Patil attended a three day residential FDP on Leadership Development Program from 28 to 30 June 2024 organized by POEM Foundation at Symbiosis Institute of Technology, Lavale Campus, Pune.
- ◆ Ms. Vinita Yerande has successfully completed the course “IoT Communication Technologies” on



Shital Patil AICTE FDP Certificate



22 July, 2024, conducted by Infosys Springboard
Vinita Yerande Course Completion Certificate



Garima Tiwari FDP Certificate

Name of Faculty Coordinator : Mrs. Arti Ajay Utikar

Dr. B. B. Musmade
Head of Department

NEWS LETTER - JUNE-JULY 2024

Student Achievements/Participations :

- ◆ Siddhi Sawant (TE) successfully completed the AI fundamentals course on 4th July conducted by TATA NEU Skills.
- ◆ Rutuja Shekade (TE) completed online course on Arduino vs Raspberry Pi in the month of July 2024, conducted by Great Learning.
- ◆ Pranjali Kukar (TE) completed online course on Arduino vs Raspberry Pi in the month of July 2024, conducted by Great Learning.



Siddhi Sawant Certificate



Rutuja Shekade Certificate

Name of Faculty Coordinator : Mrs. Arti Ajay Utikar

Dr B. B. Musmade
Head of Department

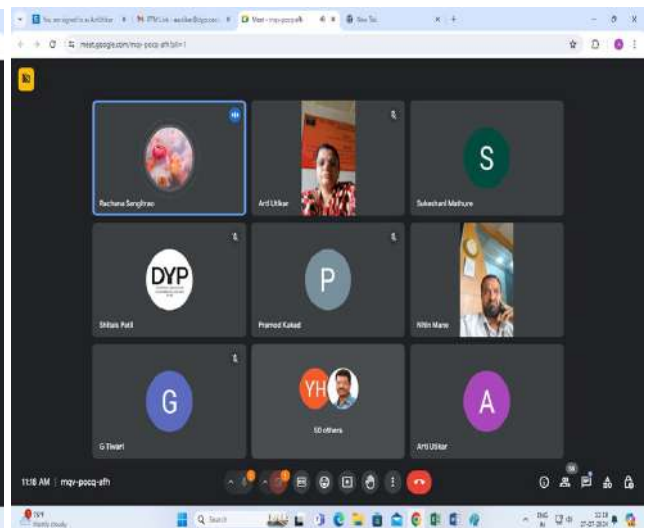
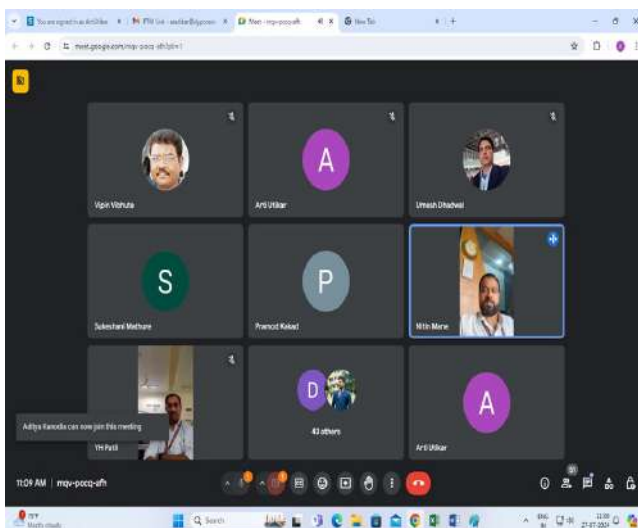
NEWS LETTER - JUNE-JULY 2024

Department Activities :

- ◆ SE Induction program was conducted under ISA Pune DYPCOE Chapter on 16 July 2024 by the Department. Mr Ritesh Patil, India Centre of Excellence Leader, Emerson Pune and Sr ISA Member was the Guest Speaker for the program. Mr Ritesh Patil delivered a talk on topic: Calibrating the Future: Instrumentation Engg & its Advantages in Future. During his talk he has given insights of upcoming technologies in Instrumentation like Cloud Computing, IoT/IIoT, Big Data, Augmented and Virtual Reality, etc. 60 students and 6 faculty members attended the session.
- ◆ Online parent teacher meet is organized on 26 July 2024. The aim was to interact with parents to develop Parent – Teacher relationships for development of students and to make parents and students aware about the plan for academics ahead. Points discussed were: Attendance of students to lectures and practical's, Academic Development of Students, Placements through college, Importance of training sessions conducted, Awareness of Class Tests, Unit Tests, Insem and Endsem Examinations, University results, Attentiveness of students in classes, Various activities in department. The PTM is hosted by SE Class teacher -Mrs. Arti A. Utikar.



SE Induction



Online Parent Teacher Meet

Name of Faculty Coordinator : Mrs. Arti Ajay Utikar

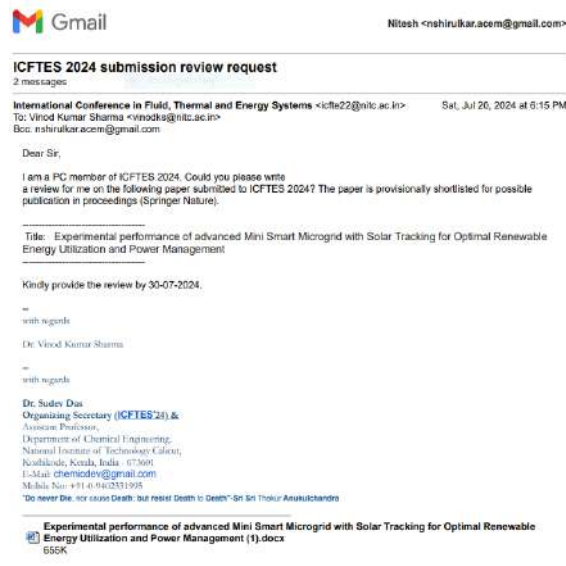
Dr B. B. Musmade
Head of Department

Faculty Achievements:

- Mrs. P.A. Gaikwad Participated in a one-day webinar on “Innovation in Metal 3D Printing Using Laser Wire DED Process,” organized by the Mechanical Engineering Department, Indian Institute of Technology, Guwahati, Assam, on July 24, 2024.
- Ms. Rutuja K. Shivdas published a paper on “Reconfigurable Manufacturing System: Key to Smart Manufacturing” at the 22nd ISME International Conference on “Recent Advances in Mechanical Engineering for Sustainable Development (ISME-2024)” at DTU, Delhi, India. In collaboration with the ISME Society, on July 11–13, 2024
- Mr. Nitesh Hirulkar reviewed a paper titled “Experimental Performance of Advanced Mini Smart Microgrid with Solar Tracking for Optimal Renewable Energy Utilization and Power Management” at the conference. - ICFTES 2024 on July 24, 2024



Participated in one day webinar



review a paper “Experimental performance of advanced Mini Smart Microgrid with Solar



published a paper on , “Reconfigurable Manufacturing System: Key to Smart Manufacturing”

Name of Faculty Coordinator :

Mrs. Monica P. Ugale

Dr.P.T.Nitaware
Head of Department

Faculty Achievements:

- Mrs. S.K. Dhamale participated in a five-day workshop on “Multidisciplinary Education and Research” from 10, 2024, to June 14, 2024, organized by NITTTR Bhopal.
- Mr. N. S. Hirulkar participated in the “Abaqus Tutorial for Engineering Students (Beginners)” workshop organized by Udemey Acedemy.
- Dr. T. Dey was invited as a resource person for a one-week FDP on “Hands on Training of Intellectual Property Rights, ”organized by PVG’s ASM Student Chapter, held on June 10-14, 2024.



Participation in a one-week FDP



Invited as a resources person

Name of Faculty Coordinator :

Mrs. Monica P. Ugale

Dr.P.T.Nitware
Head of Department

Faculty Achievements:

- Dr. T. Dey and Mrs. M.P. Ugale participated in a six-day online workshop on “Yoga and Alternative Therapy” from June 6–11, 2024, organized by Kavikulaguru Kalidas Sanskrit University, Ramtek.
- Mrs. M.P. Ugale and Mrs. Bhagyashree Bhor participated in the online ISTE-approved National Level One Week Faculty Development Program on “Exploring Perspectives of AI and ML in Robotics and Automation,” scheduled to take place from June 24th to 28th, 2024. This FDP program is organized by the Department of Automation and Robotics, Dr. D.Y. Patil Institute of Technology, Pimpri, Pune-18.



Participation in a one-week FDP

Name of Faculty Coordinator :

Mrs. Monica P. Ugale

Dr.P.T.Nitnaware
Head of Department

Faculty Achievements:

- Dr. T. Dey invited a talk for “Intellectual Property Rights (IPR) and IP Assignment, Valuation, and Commercialization” organized by MBA PVGCOETs COET and GKP Institute of Management, Pune, on July 25, 2024.
- Dr. T. Dey and Dr. S.V. Thakur Delivered an invited talk on "RRelevance of 1D Simulation of Automotive Thermal Systems in the Academics," organized by the International KULI User Conference 2024, Courtyard Marriott, Hinjawadi, PUNE. On July 1–3, 2024
- Mr. Nitesh Hirulkar conducted a program on the "Need of Advanced Yoga in Today's World," organized by Tihast Pvt. Ltd. on July 14, 2024.



Dr. T. Dey Invited Talk for “Intellectual Property Rights (IPR)



Dr. T. Dey and Dr. S.V.Thakur Delivered invited talk



conducted program on the "Need of Advanced Yoga in Today's World,"

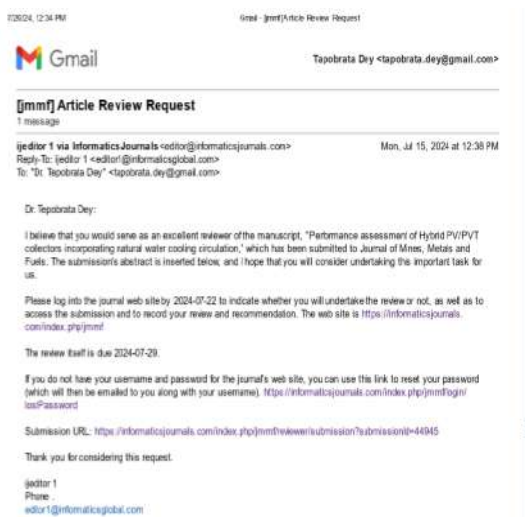
Name of Faculty Coordinator :

Mrs. Monica P. Ugale

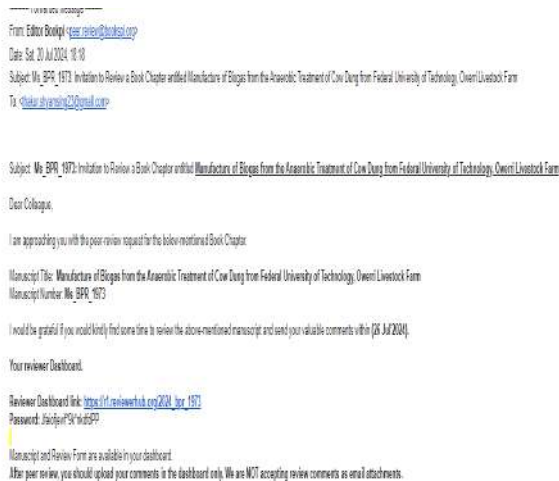
Dr.P.T.Nitaware
Head of Department

Faculty Achievements:

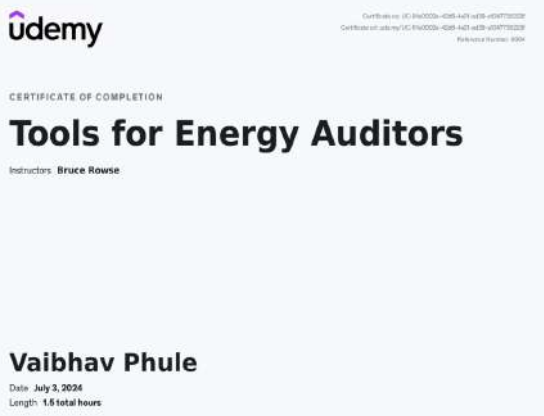
- Dr. T.Dey invited as a reviewer of the manuscript, "Performance assessment of Hybrid PV/ PVT collectors incorporating natural water cooling circulation," which has been submitted to Journal of Mines, Metals and Fuels.
- Dr. S.V.Thakur invited Review a Book Chapter entitled ,” Manufacture of Biogas from the Anaerobic Treatment of Cow Dung from Federal University of Technology, Owerri Livestock Farm”
- Mr. V.V.Phule completed Udemey certification course , 1. Tools for Energy Audit 2. Hands on Python Programming.



invited as a reviewer of a paper



invited as a reviewer a Book



completed Udemey certification course



Name of Faculty Coordinator :

Mrs. Monica P. Ugale

Dr.P.T.Nitware
Head of Department

Departmental Activities:

- The Mechanical Department organized the SE Induction Program on July 9, 2024. This event was graced by Dr. P. T. Nitnaware, Head of Mechanical Dept., Dr. T. Dey, Academic Coordinator, and Dr. K.Y. Shiralkar, Dean Academics. Around 110 students attend an induction program.
- The Mechanical Department organized the TE and BE induction programs on July 29, 2024. This event was graced by Mrs. Jasmita Kaur Deen of Training and Placement, Dr. P. T. Nitnaware, Head of Mechanical Dept., Dr. T. Dey, Academic Coordinator, and Dr. K.Y. Shiralkar, Dean Academics. Around 190 students attend an induction program.



• SE Induction



• TE Induction

Name of Faculty Coordinator :

Mrs. Monica P. Ugale

Dr. P .T. Nitnaware
Head of Department

Departmental Activities:

- The Department of Mechanical organizes a one-week faculty development program (FDP) on “National Education Policies (NEP) 2020” that will be held from June 24th to 28th, 2024. 164 members participated in this FDP.



DYP D.Y.Patil College of Engineering
Akurdi, Pune 044

We cordially invite Faculty Members, Research Scholars
and Industry Person

FDP on
“National Education Policy 2020”
Topic: Multi-disciplinary efforts for NEP



Speaker
Dr. Vinay A. Kulkarni
Dean Quality assurance, DYPCOE, Akurdi

Monday
24/06/2024
2:00 pm-4:00 pm

HOD **Dean Administration** **Principal**
Dr. P.T.Nitnaware **Dr.S.S.Sarnobat** **Dr.Mrs.P.Malathi**
Mechanical Dept **DYPCOE, Akurdi** **DYPCOE, Akurdi**

Organizing Team
Department Of Mechanical Engineering

DYP D.Y.Patil College of Engineering
Akurdi, Pune 411044

Autonomous Institute

We cordially invite Faculty Members, Research Scholars
and Industry Person

FDP on
“National Education Policy 2020”
Topic: Importance of IKS in NEP 2020

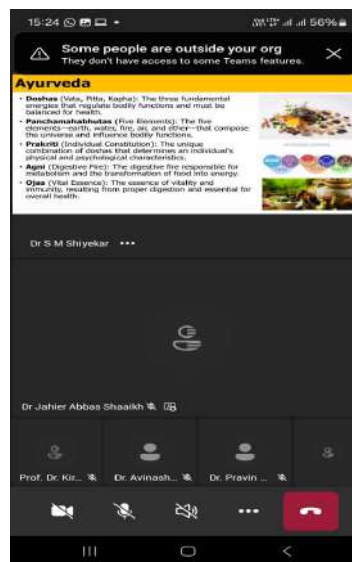


Speaker
Dr. S.M. Shiyekar
Dean Research Development and Grants,
DYPCOE, Akurdi

Wednesday
26/06/2024
2:00 pm-4:00 pm

Dr. P.T.Nitnaware **Dr.S.S.Sarnobat** **Dr.Mrs.P.Malathi**
Mechanical Dept **DYPCOE, Akurdi** **DYPCOE, Akurdi**
HOD **Dean Administration** **Principal**

Organizing Team
Department Of Mechanical Engineering



FDP on “ National Education Policies (NEP) 2020”

Name of Faculty Coordinator :

Mrs. Monica P. Ugale

Dr. P. T. Nitnaware
Head of Department

NEWS LETTER - JUNE-JULY 2024

Faculty Achievements and Participation:

- Mrs. Manasi Karajgar and Mrs. Trupti Lonkar, Assistant Professor of AIDS, has published paper title "Customer Influencing Using Social Media Promotional Feature For Resort" on 8th June 2024.
- Mrs. Trupti Lonkar, Assistant Professor AIDS, has attended One week on AI and it's applications using MATLAB", organized by Department of Electronics and Telecommunication, DTYCOE, Akurdi, held from 2024 to 2024.
- Mrs. Snehal Malpani, Assistant Professor AIDS, has attended One day Hands-on workshop on AI and it's applications using MATLAB", organized by Department of Electronics and Telecommunication, DTYCOE, Akurdi, held from 2024 to 2024. and attended FDP on "Universal Human Values" on 2024.

JOURNAL OF BASIC SCIENCE AND ENGINEERING

CUSTOMER INFLUENCING USING SOCIAL MEDIA PROMOTIONAL FEATURE FOR RESORT

¹Sonali P. Bhoite, ²Manasi D. Karajgar, ³Vishal N. Nayakwadi, ⁴Mandar K.Mokashi, ⁵Tanishqa T. Borse, ⁶Trupti G.Lonkar

¹Department of Information Technology BRACT'S Vishwakarma Institute of Information Technology, Pune-India

²Department of Artificial Intelligence & Data Science, D.Y.Patil College of Engineering, Akurdi, Pune-India

³Department of Artificial Intelligence & Data Science, Zeal College of Engineering and Research, Pune-India

⁴Department of Information Technology BRACT'S Vishwakarma Institute of Information Technology, Pune-India

⁵Department of Information Technology MKSS's Cummins College of Engineering for Women, Pune-India

⁶Department of Artificial Intelligence & Data Science, D.Y.Patil College of Engineering, Akurdi, Pune-India



Faculty Achievements and Participation

Name of Faculty Coordinator :

Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER - JUNE-JULY 2024

Faculty Achievements and Participation:

- Mrs. Rasika Wattamwar, Mrs. Surabhi Kushwah, Mrs. Supriya Patil, Mrs. Manasi Karajgar and Mrs. Pallavi Shingade Assistant Professors of AIDS have completed “Augmented Reality And Virtual Reality” STTP organized by KJ College of Engineering and Management Research between 8th to 12th July 2024.



Faculty Achievements and Participation

Name of Faculty Coordinator :

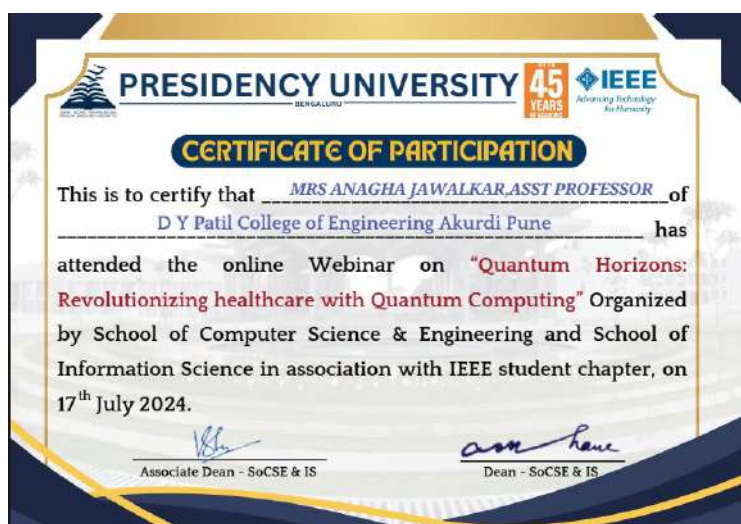
Mrs. Trupti G. Lonkar

Dr. Vinayak Kottawar
Head of Department

NEWS LETTER - JUNE-JULY 2024

Faculty Achievements and Participation:

- Mrs. Anagha Jawalkar Assistant Professor of AIDS have participated in online webinar on “Quantum horizon: Revolutionizing healthcare with Quantum computing” organized by Presidency University and IEEE student chapter on 17th July 2024.
- Mrs. Rasika Wattamwar Assistant Professor of AIDS have participated in training program on .Net full stack conducted by talentnext from 24th June 2024 to 12th July 2024.



Faculty Achievements and Participation

Name of Faculty Coordinator :

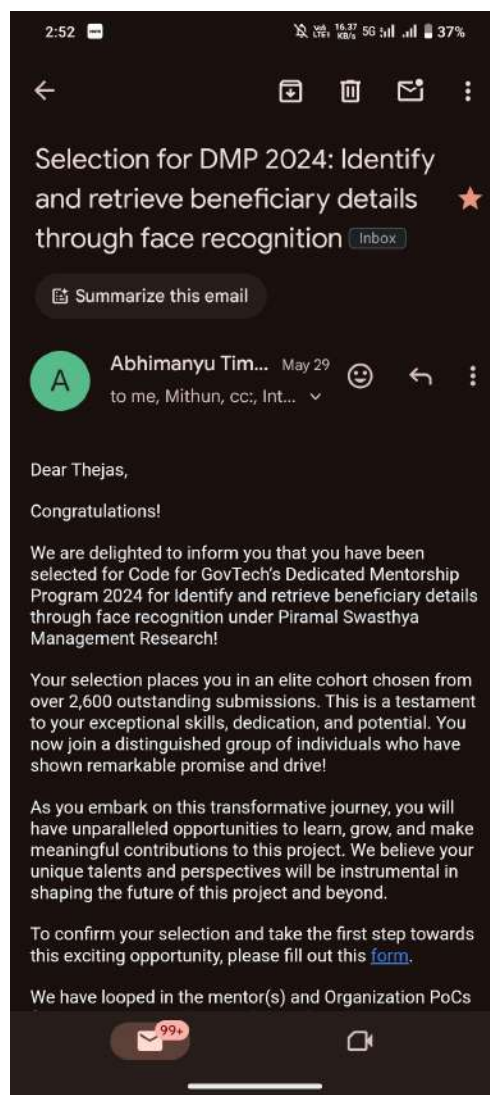
Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER - JUNE-JULY 2024

Students Achievements and Participation:

- Mr. Bryan David and Shahu Hemant Ugale from TE A div. has successfully completed course “Build your Generative AI Productivity Skills with Microsoft and LinkeDin ” on 24th June 2024.
- Mr. Thejas Raja Elandassery from TE A div. has Selected as contributor for Dmp 2024 program which is an open source program like GSOC. And He will be receiving 1 lakh rs stipend for 3 months project. ” on 29th May 2024.



Students Achievements and Participation Certificates

Name of Faculty Coordinator :

Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER - JUNE-JULY 2024

Students Achievements and Participation:

- Ms. Sonam Sanjay Patole from TE A div. has successfully completed course “Java Assessment” on 17th June 2024.
- Mr. Anubhav Pathole from TE A div. has successfully completed course “SQL Basic”, “SQL Intermediate” and “What is Data Science?” on 22nd June 2024. and on 25th June 2024 and 14th June 2024.



Student Achievements Glimpse

Name of Faculty Coordinator :

Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER - JUNE-JULY 2024

Students Achievements and Participation:

- Mr. Anubhav Sharma from TE A div. has Won a debate competition and receiving 3rd place among 250+ participants. Organized by IIT Madras Paradox's24 in June 2024.



Student Achievements Glimpse

Name of Faculty Coordinator :

Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER - JUNE-JULY 2024

Students Achievements and Participation:

- Mr. Zunzarrao Deore From BE B div. have successfully completed the Competitive Program Course from TLE Eliminators and participated in Theh-O-Thon 3.0 organized by BIT, Mesra in the month of June and July Respectively.
- Mr. Anubhav Sharma from TE A div. has Completed “Python project on Data Science” by IBM and “State flow Onramp by Mathworks on 22nd and 20th July 2024 respectively.



Student Achievements Glimpse

Name of Faculty Coordinator :

Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER - JUNE-JULY 2024

Students Achievements and Participation:

- Mr. Himanshu Chandrahas Naik From SE A div. have successfully completed the “Supervised Machine Learning: Regression and Classification” Sanford online course on DeepLearning.AI on 11th July 2024.
- Mr. Hitesh Mulwanil from SE B div. have successfully completed the “Introduction to C plus plus” on simplylearn Skillup on 23rd July 2024.
- Ms. Charvi Humane from TE B div. has Completed “Ethics in the age of Generative AI” by LinkedIn Learning 27th July 2024.
- Mr. Dhruv Gaikwad from BE A Div. have successfully completed certification of “ Oracle Certified Professional” on Oracle on 26th July 2024.



Student Achievements Glimpse

Name of Faculty Coordinator :

Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER - JUNE-JULY 2024

Students Achievements and Participation:

- Mr. Pravin Misal from BE A Div. have successfully completed certification of “ Oracle Certified Professional” or Oracle on 26th July 2024.
- Mr. Rushikesh kulkarni from TE A div. have successfully completed the “Complete SQL and Database Bootcamp” on Udemy on 17th July 2024.
- Mr. Rohan Khodade from TE A div. have successfully completed the “The Complete Python Developer” on Udemy on 18th July 2024.
- Mr. Yash Mogal from BE B Div. have successfully completed certification of “Complete Interview Preparation” on Geeksforgeeks in the month of July 2024.



Student Achievements Glimpse

Name of Faculty Coordinator :

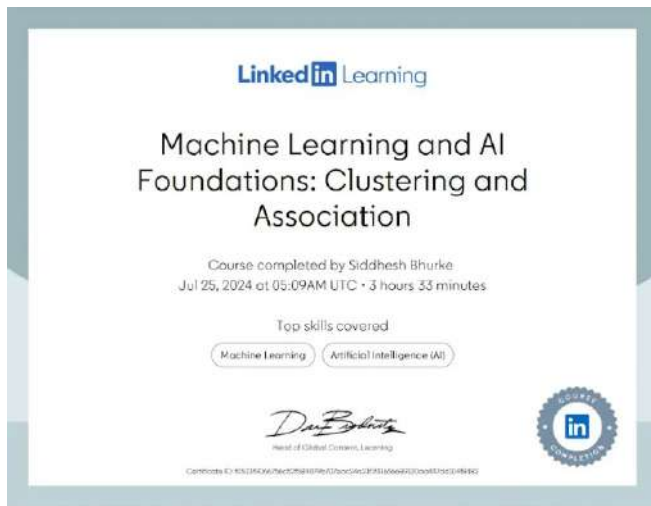
Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER - JUNE-JULY 2024

Students Achievements and Participation:

- Mr. Siddhesh Bhurke from SE B div. has Completed “Machine Learning and AI Foundations: Clustering and Association” by LinkedIn Learning 25th July 2024 and “Machine Learning using Python Bootcamp” .
- Mr. Aniket Bhor from TE B Div. have successfully got internship offer from Zidio from 20th July to 20th September 2024.



Student Achievements Glimpse

Name of Faculty Coordinator :

Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department

NEWS LETTER - JUNE-JULY 2024

Department activities:

- Department of Artificial Intelligence and Data Science Engineering Organized “SEMINAR INDUCTION PROGRAM for Third Year students on 16th April 2024. Mrs. Nita Mahale coordinated the program. Around 98 students attended the induction program.
- Department of Artificial Intelligence and Data Science Engineering Organized “BE project stage 1 orientation session” for Second Year students on 18th July 2024. Mrs. Mayuri Rathi coordinated the session. Around 112 students attended the session.
- Department of Artificial Intelligence and Data Science Engineering Organized “Faculty Orientation Program” on 15th July and 25th 2024. Dr. Vinayak Kottawar and Mr. Pratik Chopade coordinated the session. Around 18 faculty participated in Orientation Program.

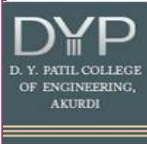


Some Glimpses of the session

Name of Faculty Coordinator :

Mrs. Trupti G. Lonkar

Dr Vinayak Kottawar
Head of Department



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

NEWS LETTER - JUNE-JULY 2024

Department Activities:

Department of robotics and automation has conducted One week STTP on "Introduction and Hands on software training of Roboanalyzer & Mechanalyzer"

**D.Y.PATIL COLLEGE OF ENGINEERING, AKURDI, PUNE
(AN AUTONOMOUS INSTITUTE)**

**Department of Robotics & Automation Engineering
in Association with ISTE & IQAC Cell of DYP COE**

**ORGANIZING
ONE WEEK FDP
ON
"INTRODUCTION AND HANDS ON SOFTWARE TRAINING OF
ROBOANALYZER & MECH-ANALYZER"**

Day 1 : Session 1

SPEAKER

Date: 16/07/2024
Time: 3.30 pm to 4.30 pm
Topic: 1. DH Parameters
2. Robot Kinematics & Dynamics

Mr. Vinod Atpadkar
CEO, SVR Infotech, Pune

JOIN
<https://meet.google.com/kfs-jgao-rbs>

Dr. N. K. Kamble
Convener

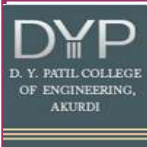
Dr. S. S. Sarnobat
Dean Administration

Dr. Mrs. P. Malathi
Principal & IQAC Chairman

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 - JUNE-JULY 2024

Department Activities:

Department of robotics and automation has conducted Parent Teacher meeting for Second year , Third Year and Final Year.

D.Y.Patil College of Engineering, Akurdi
Department of Robotics and Automation
Engineering
PARENT TEACHER MEETING

*WELCOME
TO
PARENT TEACHER MEETING
OF
ACADAMIC YEAR 2024-25*



Name of Faculty Coordinator :

Mrs. Tejas A. Jadhav

Dr N. K. Kamble
Head of Department

Department Activities:

Department of robotics and automation has BOS meeting for Syllabus structure of B-Tech and M-Tech.



Name of Faculty Coordinator : Mrs. Tejas A. Jadhav

Dr N. K. Kamble
Head of Department

NEWS LETTER - JUNE-JULY 2024

Department Activities:

Department of robotics and automation actively participated in the Mentimeter Webinar held on Saturday, July 13, 2024, from 11:30 AM to 12:30 PM.



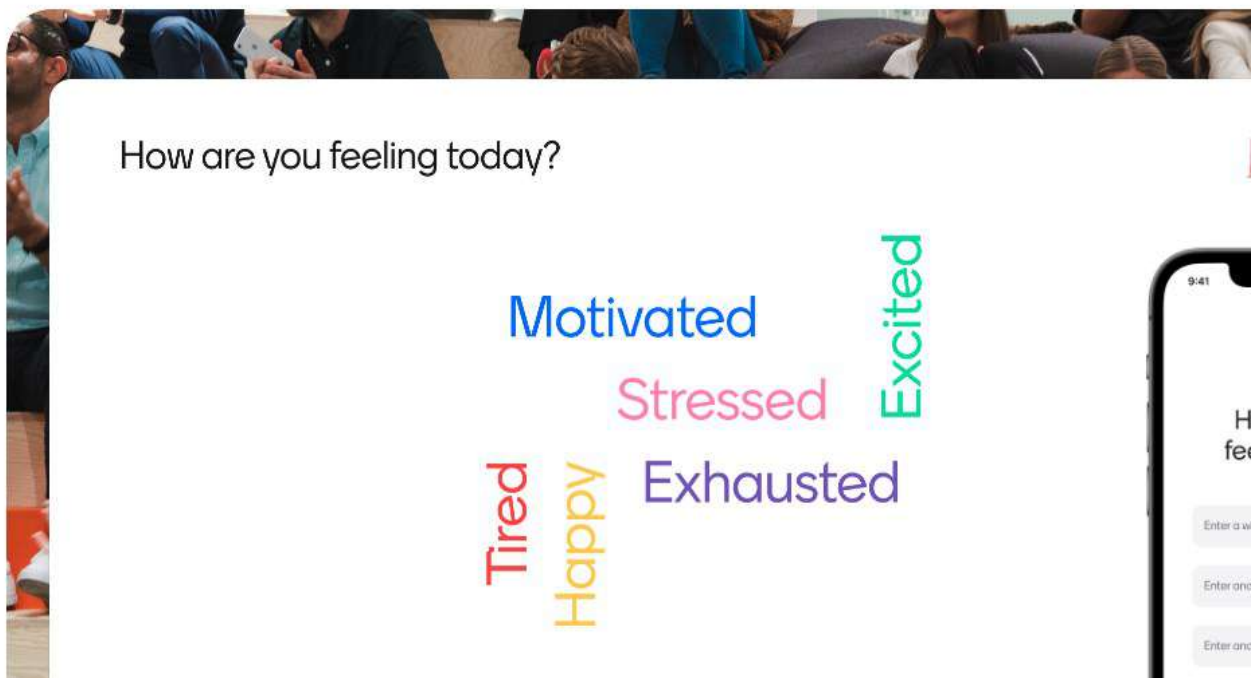
Work ▾ Education ▾ Features ▾ Resources ▾ Pricing Talk to sales

Break the ice

Get instant feedback

Evaluate understanding

Make decisions



Name of Faculty Coordinator :

Mrs. Tejas A. Jadhav

Dr N. K. Kamble
Head of Department

Faculty Achievements and Participation:

Dr. Nitin Kamble , H.O.D. of robotics and automation has published a paper on “Analysis & development of smart production and distribution line system in smart grid based on optimisation techniques involving digital twin ”in science direct elsever



Analysis and development of smart production and distribution line system in smart grid based on optimization techniques involving digital twin

Thangaraja Arumugam^{a,*}, Nitin Kameshk Kamble^b, Venkataramana Ganreddi^c,
M. Vishnu Sakravarthy^d, S. Shanthi^e, Sivakumar Ponnammy^f

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^b Department of Robotics and Automation Engineering, D.Y.Patil College of Engineering, Akurdi, Pune, 411004, Maharashtra, India
^c Department of Electrical, Telecommunication and Computer Engineering, School of Engineering and Applied Sciences, KJ Somaiya Institute of Technology, India, Lypandi
^d Department of Mechanical Engineering, Sri Aditya College of Engineering, Chikankot, TamilNadu, India
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ARTICLE INFO

Keywords:
 Digital twin
 Artificial intelligence
 Production line assembly
 Optimization technique
 Genetic algorithm

ABSTRACT

The term Digital Twin (DT) is defined as the virtual representation of an object that is represented through real-time datasets. DT is done through artificial intelligence to enhance decision-making techniques. DT includes the process of simulation, amalgamation, observation, analysis, and conservation. The DT is simply the exact reproduction of the physical structures. DT is used in the identification and evaluation of problems through real-time analysis. It is important to have prior analysis and evaluation of the object before entering in the real world. These digital twins help in the manufacturing and implementation of the production line system. DT includes the production line with the status division and the hours needed for the operating conditions for the assembly process. The systems are integrated to reduce the overall cost parameters. The physical simulation model is employed to obtain higher performance with reduced cost. An artificial neural network with a genetic algorithm is used for the optimization process to achieve a production line system using digital twin.

1. Introduction

The mobile phone usage and the consumer market have a rapid growth in the past decades. This is due to the advanced sophistication given by mobile phones in day-to-day life [1]. This leads to an increase in the demands of the consumers. Mobile phones are also referred to as a 3C electronic product which represents computer and communication and consumer [2].

This is an innovative manufacturing process that includes several constraints and consequences. Mobile phones are updated rapidly to enhance their usage and to meet the demand of consumers [3]. The production includes specific characteristics such as high-frequency production change parameters, higher flexibility, and faster communication parameters. This leads to the optimization of workshop production lines. The research and implementation of the mobile phone production line involves nearly about 5 months and the lifecycle of the mobile phone product is less than a year [4]. The implementation and optimization are done within a short period in the high-frequency

production line. The design and implementation scheme is done efficiently in the workshop production line. The important functioning of the 3C assembly line involves multiple mixing with cross-sharing of data and machine upgrading. There are numerous testing processes involved in the mobile phones and its networking system [5].

They are done through the aid of artificial intelligence that helps to obtain exact optimum solutions. This is proceeded with the use of digital twin that help to enhance the physical to virtual representations leading to a decrease in the computational time [6]. It provides various supporting tools for the design and development of the product implementation and its structure. This makes the systems more reliable without the disturbance of external parameters. This is used to obtain higher accuracy and increased production.

This includes the internet of Things for storing and exchange of data in the systems enabling two-way communication systems [7]. Thus the designing and production lines of mobile phones were implemented through digital twin. The working and the degree of functioning are optimized through the optimization algorithm. This also includes the

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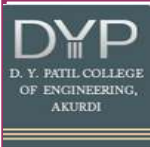
Available online 2 July 2024

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Name of Faculty Coordinator :

Mrs. Tejas A. Jadhav

Dr N. K. Kamble
 Head of Department



NEWS LETTER - JUNE-JULY 2024

Faculty Achievements and Participation:

- Mr. Vipul Rathod has completed the one week FDP on One week FDP on National education policy 2020”



Name of Faculty Coordinator :

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Dr N. K. Kamble
Head of Department

NEWS LETTER - JUNE-JULY 2024

Faculty Achievements and Participation:

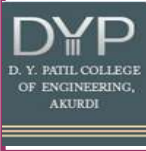
- Dr. R. P. Jadhav and Mrs. Sujata U. Khirao have completed the one week FDP of NITTR on “Question paper design for outcome based curriculum”



Name of Faculty Coordinator :

Mrs. Tejas A. Jadhav

Dr N. K. Kamble
Head of Department



Student Achievements and Participation:

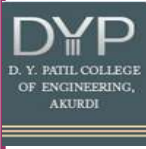
Following students of Robotics and automation department attained One week STTP on "Introduction and Hands on software training of Roboanalyzer & Mechanalyzer"

- Nandini Pujari
- Pranav Jadhav
- Devesh Wale
- Geetanjali Nimse
- Tushar Kalantre
- Vrushali kulkarni
- Yugandhara Shinde
- Akash Devkar
- Gauri Bhutada
- Ishaan
- Om Thakare
- Prathamesh Mavle

Name of Faculty Coordinator :

Mrs. Tejas A. Jadhav

Dr N. K. Kamble
Head of Department



NEWS LETTER - JUNE-JULY 2024

Student Achievements and Participation:

Mrs. Girija Kedari, student of third year has completed certification Course on "Introduction to Analytics"



Name of Faculty Coordinator :

Mrs. Tejas A. Jadhav

Dr N. K. Kamble
Head of Department

Student Achievements and Participation:

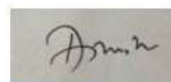
- Mrs Sonam Dongare , student of final year has participated in 2024-Prayas 2 days Externship in ETCON , Kharadi
- Mrs Sonam Dongare , student of final year has ocompleted certification course on”Google data Analytics”



2024 - Prayas Certificate of Participation

Ms. Sonam Dongare

is presented for participating in Prayas corporate exposure program which trains and provide corporate exposure



Ashish Kapoor
Director Human Resource – India, Eaton Corporation



Name of Facul-

Mrs. Tejas A. Jadhav

Dr N. K. Kamble
Head of Department

NEWS LETTER - JUNE-JULY 2024

Student Achievements and Participation:

- Mrs Yugandhara Shinde, student of third year has completed certification course on "What is Generative AI"
- Mrs Yugandhara Shinde, student of third year has completed certification course on "Introduction to Azure static web App"



**Microsoft Learn
Student Ambassador**

This certificate is presented to:

Yugandhara Shinde

In recognition of your attendance and completion of the Microsoft
Student Ambassadors

Introduction to Azure static web app

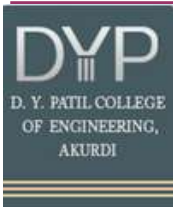
Event Hosted By
Aadish bansal
Microsoft Learn Student Ambassador



Name of Faculty Coordinator :

Mrs. Tejas A. Jadhav

Dr N. K. Kamble
Head of Department



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. Hiranman 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



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. Hiranman Jadhav



Ms. Dipalije Pujari



Mrs. Trupti Lonkar



Mrs. Neha Bagdiya



Mrs. Monika P Ugale



Ms. Supriya Sathe



Mr. Ganesh Nimgire



Mrs. Tejas Jadhav

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

<https://www.dypcoeakurdi.ac.in>

For enquiry or information : info@dypcoeakurdi.ac.in

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