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Dr. D. Y. Patil College of Engineering and Innovation, Varale, Talegaon, Pune

Address:

SR. No. 27/A/1/2c, Near Eco City,
Talegaon, Varale, Pune - 410507,
Maharashtra, India.

www.dypcoei.edu.in

Contacts:

020 48522561, 8799925769,
9309246435

Editorial Committee:

Dr. Suresh Mali
Principal, DYP COEI

Dr. Alpana Adsul
Head, Dept. of Computer Engg.

Dr. Dipannita Mondal
Head, Dept. of AI-DS

Mr. Yogesh Nagvekar
Head, Dept. of FE

Mr. T. Arivanantham
Department of CE

Student Members

Mr. Vedant Lanjekar, AI-DS

Ms. Vaishnavi Patil, Comp Engg.

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Vision

To achieve excellence in quality education through value based rapidly changing technologies and create technical Human-Resource with proficiencies of accepting new challenges.

Mission

- M1** *Continuously strive to impart value-based education to elevate the satisfaction level of all stakeholders.*
- M2** *Take dedicated efforts to create competent professionals by effective teaching learning process with passion of lifelong learning attitude.*
- M3** *Our endeavor is to promote and support innovative research, entrepreneurship and development activities through Industry Interaction.*

Institute Tie-Up

MEMORANDUM OF UNDERSTANDING



MoU exchanged between Prof. (Dr.) Suresh Mali, Principal, DYPCOEI, Varale and Mr. Neeraj Sahu, Chief Operating Officer, Geeks of Gurukul on 30th December 2024.

Student Future Career Academic Plan

JAPANESE LANGUAGE

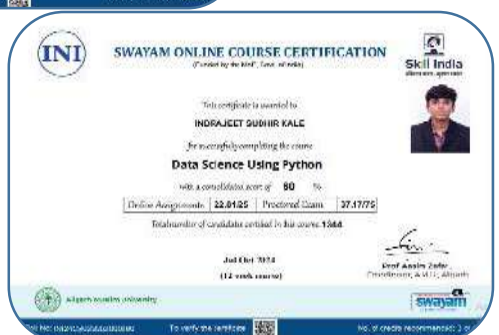
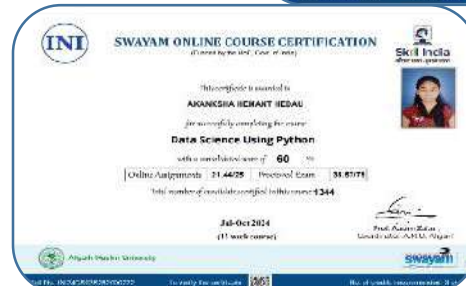


Prof. (Dr.) Suresh Mali, Principal DYPCOEI, Prof. (Dr.) Alpana Adsul, Head Computer Engineering, Prof. (Dr.) Dipannita Mondal, Head AI-DS along with delicate from Japan discussing to introduce Japanese Language for next academic year one of the Skill Development program for student future career on 5th December 2024.

Student Achievements

SWAYAM ONLINE COURSE CERTIFICATION

Miss. Kasturi Sunil Sabale, Miss. Dnyaneshwari Shashikant Akansha Miss. Hemant Hedau Sonawane and Mr. Indrajeet Sudhir Kale students from AI-DS successfully completed 12 weeks course July-October 2024 “Data Science using Python” from Swayam Online Course Certification.



PERSONALITY DEVELOPMENT COURSE

Department of First Year Engineering students **Tarange Sushil Dattu, Pranjal Subhash Chaudhari, Dhruva Sainath Londhe, Pratiksha Ananda Mulik, Omkar Suresh Rao Khose, Payal Bharat Tambe, Samiksha Pawar, Gorad Mahesh Hanmant, Sania Jagdish Damame, Shaunak Suraj Dubey, Dhiraj Gangadhar Jawale and Pranjal Subhash Chaudhari** successfully completed an online course **“Personality Development Course”** organized by **Great Learning Academy**.



Faculty Achievements

PATENT PUBLICATIONS



Prof. (Dr.) Dipannita Mondal, Head AI-DS published patents on **“Nanotechnology and Artificial Intelligence Based Analysis of Nanoparticles in Blood for Cancer Prediction”** and **“Artificial Intelligence Based Automated Bus Fare Collection System”**

(12) PATENT APPLICATION PUBLICATION:	(21) Application No. 2024408942 A
(19) INDIA	
(22) Date of filing of Application: 23/11/2024	(43) Publication Date: 29/11/2024
(54) Title of the invention: NANOTECHNOLOGY AND ARTIFICIAL INTELLIGENCE BASED ANALYSIS OF NANOPARTICLES IN BLOOD FOR CANCER PREDICTION	

NAIBANBCP: Nanotechnology and Artificial Intelligence (AI) are revolutionizing cancer diagnostics by enabling the precise detection and analysis of nanoparticles in blood samples. Nanoparticles, which include biomarkers such as proteins, nucleic acids, and exosomes, play a crucial role in early cancer detection.

(12) PATENT APPLICATION PUBLICATION:	(21) Application No. 2024410842 A
(19) INDIA	
(22) Date of filing of Application: 15/11/2024	(43) Publication Date: 22/11/2024
(54) Title of the invention: ARTIFICIAL INTELLIGENCE BASED AUTOMATED BUS FARE COLLECTION SYSTEM	

AIBABFCS: This innovation introduces a smart, AI-powered automated bus fare collection system designed to modernize public transportation payment processes by utilizing 6G networks and contactless smart card technology. The traditional fare collection approach, which depends on manual transactions, often faces challenges like handling exact change and delays in ticket processing.

RAJYASTARIYA AADARSH PURSKAR 2024 AND MAHARASHTRA BHUSHAN PURSKAR 2024 - AWARD



Prof. (Dr.) Jagruti Raju Panchal from Computer Engineering Department, Dr. D. Y. Patil College of Engineering and Innovation, Varale, Talegaon, Pune 410507 received awards Rajyastariya Aadarsh Purskar 2024 (राज्यस्तरीय आदर्श पुरस्कार २०२४) and Maharashtra Bhushan Purskar 2024 (महाराष्ट्र भूषण पुरस्कार २०२४).



Prof. (Dr.) Suresh Mali, Principal DYP COEI felicitating Prof. (Dr.) Jagruti Panchal, Professor from Computer Engineering Department received awards Rajyastariya Aadarsh Purskar 2024 and Maharashtra Bhushan Purskar 2024.

DESIGN PATENT PUBLICATIONS



Prof. (Dr.) Alpana Adsul, Head Computer Engineering and



Ms. Poonam Sadafal, Assistant Professor application filled design patent Application No:441184-001

FACULTY DEVELOPMENT PROGRAM

Ms. Anita Shinkar, Mr. T. Arivanantham, Ms. Abha Pathak, Mr. Laxmikant Malphedwar and Ms. Poonam Sadafal, Assistant Professors from Computer Engineering Department and Ms. Asmeeta Mali, Mr. Suraj Bhoite, Assistant Professors from AI-DS Department has successfully completed One Week Online Faculty Development Program on "**Generative AI and its Multidomain Use Cases**" Organized by Department of Information Technology, Vishwakarma Institute of Technology, Pune from 02nd – 06th December 2024.

Mr. Chandan Wagh and Mr. Vishal Kisan Borate, Assistant Professor, Computer Engineering Department has successfully completed One Week Online Faculty Development Program on "**Revolutionary AI: Blending Generative Power with Learning Machines**" Organized by Department of CSE-AI & CSE-AIML, Information Technology, Vishwakarma Institute of Technology, Pune from 16th – 20th December 2024.

Mr. Vishal Kisan Borate, Assistant Professor, Computer Engineering Department has successfully completed the Two Weeks National Level Faculty Development Program on "**Data Science and AI Application for Engineering and Science**" organized by the Department of CSE (CS - DS), GH Raisonni College, Pune from 7th – 21st December 2024.

Mr. Sunil Kumar Yadav, Assistant Professor, Computer Engineering Department successfully completed One Week Faculty Development Program on "**Mastering AI Tools for Faculty Excellence**" Organized in association with IEEE Computer Society Pune Chapter by Department of CSE - AI & Department of CSE- AIML, VIT, Pune from 23rd – 27th December 2024.

Ms. Asmeeta Mali, Assistant Professor from AI-DS Department successfully completed One Week Faculty Development Program on "**Exploring Data Analysis: Techniques and Tools**" Organized by Department of AI&DS, MMM Institute of Technology, Lohgaon, Pune from 23rd – 28th December 2024.

Mr. Vishal Kisan Borate, Assistant Professor, Computer Engineering Department has successfully completed the Two Weeks National Level Faculty Development Program on "**Unveiling the Basics of AI and DS**" organized by the Department of AI and AIML, GH Raisonni College, Pune from 7th – 21st December 2024.

VIRTUAL LAB OF IIT BOMBAY

DYPCOEI faculty members of Department Computer Engineering, AI-DS and First Year Engineering participated virtual laboratory workshop on "**An Interdisciplinary Outreach workshop on Virtual Lab of IIT Bombay**" an initiative of Ministry of Human Resource Development, Govt. of India under Nodal Centre ID: 153 at D Y Patil College of Engineering, Akurdi, Pune organized on 3rd December, 2024

Virtual Laboratory Learning Environment: A platform for conducting simulated experiments in various fields like physics, biology, chemistry, or engineering, often used in education.

A virtual environment where developers test code, apps, or systems in isolated, sandboxed environments.

The project aims to provide remote access to Laboratories in various disciplines of Science and Engineering for students at all levels from undergraduate to research.

The virtual labs are based on the idea that lab experiments can be taught using internet more efficiently in a cost-effective manner.

More than 30+ DYPCOEI faculty members attended the hand-on workshop online.

Virtual labs help teachers and students save time and effort because they don't need to adhere to certain times to enter the laboratory.

Expert Session

START-UP ACTIVITIES AND CHALLENGES

Department of Computer Engineering organized expert session on “About Start-Up activities and challenges for HEIs to set up an innovation culture in the Institute” by Mr. Mujahid Shaikh, Chief Executive Officer (CEO), Nutun Incubation Foundation, Pune on 6th December 2024.



Prof. (Dr.) Alpana Adsul, Head Computer Engineering felicitating Mr. Mujahid Shaikh, CEO, Nutun Incubation Foundation, Talegaon on 6th December 2024.

Nutan Incubation Centre(NIC) supported by NMVPM (Nutan Maharashtra Vidya Prasarak Mandal), envisages to build and nurture the community in the state of Maharashtra including its Tier-2 and Tier-3 cities with respect to the startup and innovation ecosystem. The objective of the NIC is to reach the innovators at the bottom of the pyramid and give them equitable opportunities, especially by reducing the lab-to-land distance and creating a space for the pre-incubation of ideas & solutions.

Guest Lecture

FUNDAMENTALS OF PROGRAMMING LANGUAGE

Department of First Year Engineering organized guest lecture on “Fundamentals of Programming Language” by Dr. Chandrakant Kokane, Associate Professor, NMIET, Pune on 23rd December 2024.



Department of First Year organized guest lecture on “Fundamentals of Programming Language” by Dr. Chandrakant Kokane, Associate Professor, NMIET, Pune on 23rd December 2024.

Dr. Chandrakant Kokane discussed Programming Language fundamentals, the basic concepts, principles and rules that define the structure of a programming language. These fundamentals are similar across many programming languages including Python, C++, C and Java. The guest lecture organized by DYPCOEI under guidelines given by SPPU for the academic syllabus structure 2024 pattern.

It was great experience and students understood importance and benefits of FPL. More than 217 students attended the guest lecture.

Industrial Visit

ORIENT TOOL

Department of First Year Engineering organized Industrial Visit to Orient Tools, Pune, a leading manufacturer of Solid Carbide, Brazed Carbide, and Lugged Carbide tools, provided invaluable insights into the world of cutting-edge tool technology. Located in Pune, Orient Tools has been at the forefront of innovation in tool manufacturing since 2011.



Department of First Year organized Industrial Visit to Orient Tools, Pune on 18th December 2024.



Orient Tools employee explaining about tool manufacturing process on 18th December 2024.

World Meditation Day

CONCILIATION



Prof. (Dr.) Alpana Adsul, Head Computer Engineering teaching meditation basics to faculty and staff members of DYPCOEI on 21st December 2024.

DYPCOEI celebrated World Meditation Day on 21st December 2024. World Meditation Day is dedicated to promoting health, mental well-being, and peace for the individual and community through the practice of meditation. This day brings attention to the profound impact meditation can have on reducing stress, enhancing focus, and fostering a sense of calm in our daily lives. By participating, individuals can experience the collective energy of a global community committed to the development of individual and collective consciousness.

This World Meditation Day celebration aims to raise awareness about the benefits of meditation, encouraging a healthier, more balanced lifestyle. Join us in this global event to nurture health and well-being in mind and body for people of every nation.

Annual Sports Day

ANUJA AND DR. SUSHANT PATIL CUP 2024



Annual Sports Day - 2024

Dates

24th December 2024

Locations

Pune - 30YCA Spark Cricket Ground, Jambhe

The Anuja & Dr. Sushant Patil Cup 2024 is a cricket tournament featuring eight teams competing in a knockout format. Each team comprises 14 players, including 11 active players and 3 substitutes. The quarter-finals and semi-finals are played over 6 overs per inning, while the final extends to 8 overs per inning. The tournament showcases standout performances and memorable moments, highlighting top performers in each match. DYPEF faculties and staffs received awards and recognition for standout performances. Beyond cricket, the event fosters a sense of community and sportsmanship among Faculty & staff members and fans. DYPEF Faculty members and staffs enjoyed annual sports day with lots of fun and memorable flashes.

More reference: [Anuja Patil & Dr. Sushant Patil Cricket Tournament | 2024 || Ground 1 - YouTube](#)

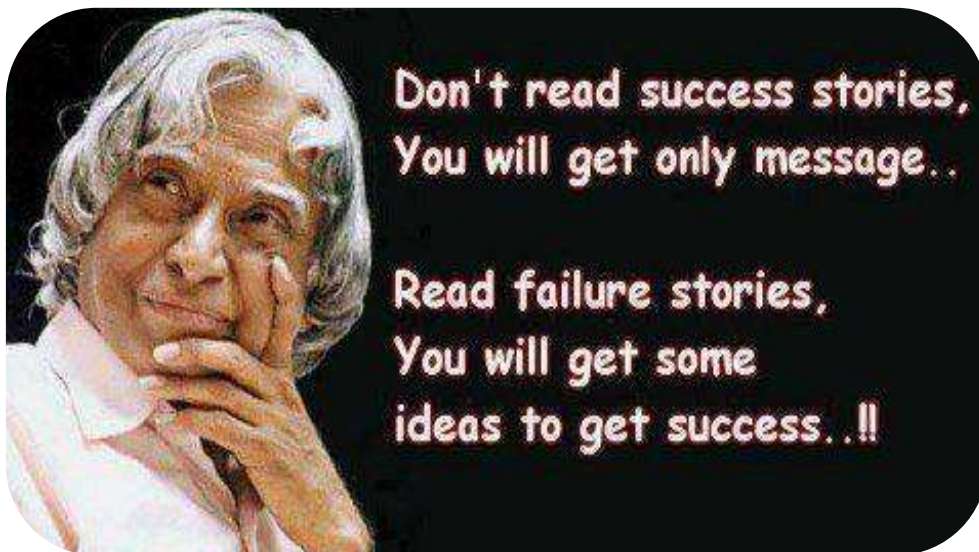
Glimpses of Annual Sports Day:



DYPCOEI Faculty and Staff won Women's Tug of War competition on Annual Sports Day 2024.



Quotes of the Month



**What the new year
brings to you will
depend a great
deal on what you
bring to the new year.**

VERN MCLELLAN