



Dr. D. Y. Patil Educational Federation's
**DR. D. Y. PATIL COLLEGE OF ENGINEERING
AND INNOVATION**



Department of Computer Engineering

REMINISCENCE

Volume-II (A.Y. 2024-25)

VISION

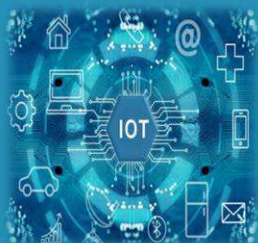
To Produce Global Standard Professionals, Innovators and Entrepreneurs with strong fundamental concepts and desire to learn latest trends and Technologies in the field of Computer Engineering.

MISSION

Adapt changes in recent trends and technologies by effective Teaching-Learning process to train the students.

Prepare Competent Computer Engineers to sustain in the competitive global corporate world with a spirit of good work ethics.

Inculcate self-continuous learning and the ability to work in a team to share Innovation and research.



Student Achievement

Faculty Achievement

Pre – Placement Training

Short Term Training Program

Department Advisory Board Meeting

Workshop

Hands-On Training

YIN Awareness Program

YIN Club Inauguration

CODEFIESTA – 2025

TECHATHON - 2025

Student Gallery

Toppers

HOD DESK



Prof. (Dr.) Alpana P. Adsul, Ph. D, M.E(CSE)
Head of Computer Engineering

Greetings, Readers

The publication of our Reminiscence for the academic year 2024-2025 (Volume II) little bit exciting. Every day, we are adding "Little Drops of Water Make the Mighty Ocean" come to life. Our Reminiscence is just a dewdrop in the ocean that has already begun to form. I want to express my sincere gratitude to all of the faculty, staff and students who have put their all into this publication. This publication will throw light on the events held by the Department of Computer Engineering, achievements and the extra-curricular, co-curricular and academic success of the students and the faculty.

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STUDENT ACHIEVEMENTS YOUNG INSPIRATORS NETWORK 2025

The Young Inspiratory Network(YIN) provides the Youth a platform to network and collaborate with like-minded people seeking Personal, Professional and Social Development towards the ultimate goal of Nation Transformation. YIN provides students a unique opportunity of exposure and experiential learning by participating in live projects and programmes that have direct outcomes in the transformation of their communities at the state, national and international levels. This is achieved through the mechanism of YIN Forums.

Mr. Udayan Dusane and **Mr. Gaurav Nikam** Second Year Computer Engineering Students getting selected as **President** and **Vice President** respectively for our college in YIN Leadership development program 2025.



Sakal newspaper published YIN 2025 awarded students list Mr. Udayan Dusane and Mr. Gaurav Nikam Second Year Computer Engineering Students getting selected as President and Vice President respectively.

Department of Computer Engineering

KIRAN GIRLS SCHOLARSHIP

Persistent Foundation Kiran Girls Scholarship was created to help students who are correctly pursuing engineering degrees in India. The scholarship is only available for female students.



Prof. (Dr.) Suresh Mali, Principal DYPCOEI felicitating Miss. Priya Sanjay Nandewar and Miss. Kadambari Dhok direct Second Year students of Computer Engineering got Kiran Girls Scholarship - 2024.



Dr. Suresh Mali, Principal DYPCOEI felicitating Miss. Shraddha Shankar Muley, First Year Computer Engineering student got Kiran Girls Scholarship – 2024.

Department of Computer Engineering organized session on “Kiran Girls Scholarship Program – 2024-25” by Miss. Vaishnavi Desai, representative of Persistent Foundation on 30th September 2024. She explained all details and procedure about Kiran Girls Scholarship.

MICROSOFT AZURE CERTIFICATE



Prof. (Dr.) Suresh Mali, Principal DYP COEI felicitating Miss. Sunakshi Nitin Gaikwad, Miss. Neha Ajay Jadhav and Mr. Parade Pritam Kamidhan, TE students of Computer Engineering successfully completed Microsoft Certified Azure Fundamentals on 23rd February 2025.

YUVOTSAV 2025



Prof. (Dr.) Suresh Mali, Principal DYP COEI felicitating Mr. Vaibhav Mule, Mr. Amay Hiremath, Mr. Anirudha Vitekar, Mr. Nikhil Nevase, Mr. Nishant Ware, Mr. Vedant Chaudhari, Mr. Darshan Gunjal, Mr. Rushi Murke and Mr. Premraj Rupnar, TE students of Computer and AI-DS from DYP COEI won 2nd RUNNER UP TEAM – BOX CRICKET at YUVOTSAV 2025 an Inter-College Sports Competition held on 27th – 28th February and 1st March 2025 organized by PCET's S. B. Patil Institute of Management, Nigdi, Pune along with Mr. Kiran Mali, Physical Director.

PBL PIONEER CONTEST



Prof. (Dr.) Suresh Mali, Principal DYP COEI felicitating Computer Engineering students Aniket Zimane, Abhay Sangale, Gaurav Mane and Swapnil Chougule participated in "PBL Pioneer Contest" at NMIET College, Pune on 21st March, 2025. They received Second Rank and won a Prize Money of ₹.3000 in a group project.

GATE SCORE CERTIFICATE



Prof. (Dr.) Suresh Mali, Principal DYP COEI appreciated BE Computer Engineering students Mr. Shivam Santosh Mulik Scored - 41.24/100 (CS) and Mr. Pavan Ramrao Naphade Scored - 32.6/100 (CS) - Gate - 2025 exam.

AWS CERTIFICATE

Mr. Manoday Ahire, BE Computer Engineering student successfully completed AWS Certified Cloud Practitioner.

PAPER PUBLICATION

Mr. Niraj Suryawanshi, Miss. Srushti Kulkarni, Mr. Abhishek Shengar TE students and **Mrs. Abha Pathak**, Assistant Professor, Department of Computer Engineering published paper on **“AI-Powered Desktop Assistant using Python and NLP”** at First International Conference on “Applications of AI in Engineering” ICAAIE – 25 organized by Department of AI-DS, DYPCOEI, Pune from 24th – 25th April 2025.

Mr. Mahesh Sumb, Mr. Omkar Sawant, Mr. Tanmay Shingote TE students and **Mrs. Abha Pathak**, Assistant Professor, Department of Computer Engineering published paper on **“TOM: Smart Academic Management System”** at First International Conference on “Applications of AI in Engineering” ICAAIE – 25 organized by Department of AI-DS, DYPCOEI, Pune from 24th – 25th April 2025.

Mr. Ashwin Shelke, Mr. Deep Shelke, Mr. Suraj Pawar TE students and **Mrs. Abha Pathak**, Assistant Professor, Department of Computer Engineering published paper on **“A Hybrid Hospital Framework using AI Chatbots for Real-Time Assistance and Data Management”** at First International Conference on “Applications of AI in Engineering” ICAAIE – 25 organized by Department of AI-DS, DYPCOEI, Pune from 24th – 25th April 2025.

Miss. Trupti Pawar, Miss. Yogeswari Pawar, Miss. Shreya Pawar TE students and **Mrs. Abha Pathak**, Assistant Professor, Department of Computer Engineering published paper on **“Smart News: AI-Powered News Summarizer”** at First International Conference on “Applications of AI in Engineering” ICAAIE – 25 organized by Department of Artificial Intelligence and Data Science, DYPCOEI, Pune from 24th – 25th April 2025.

Miss. Shivani Gadkari, Mr. Shivam Kumar, Mr. Linesh Sonawane TE students and **Mrs. Abha Pathak**, Assistant Professor, Department of Computer Engineering published paper on **“QuickFix Automated Ticket Management Platform”** at First International Conference on “Applications of AI in Engineering” ICAAIE – 25 organized by Department of AI-DS, DYPCOEI, Pune from 24th – 25th April 2025.

Mr. Hareram Zumber Wadekar, Mr. Aditya Yadav TE students and **Mrs. Abha Pathak**, Assistant Professor, Department of Computer Engineering published paper on **“Student Helpdesk System”** at First International Conference on “Applications of AI in Engineering” ICAAIE – 25 organized by Department of Artificial Intelligence and Data Science, DYPCOEI, Pune from 24th – 25th April 2025.

Vaibhav Dobe, Komal Dumbare, Dhudhbahte Priyanka, Riya Dhomne BE students and **Prof. (Dr.) Suresh Mali**, Principal DYPCOEI published paper on **“Steganographic Metadata Embedding to Trace the Footprint of ChatApp Images”** in International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) on June 2025.

Nikhil Kelzarkar, Kunal Mehta, Shritej Nikumbh, Shreenath Patil BE students and **Prof. (Dr.) Alpana Adsul**, Head of Computer Engineering Department published paper on **“Parking Management System Using IoT and Tesseract OCR (ANPR)”** in International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) on June 2025.

Pawar Mayuri, Khule Sagar, Priyanka Lohar, Akash Murade BE students and **Prof. (Dr.) Alpana Adsul**, Head of Computer Engineering Department published paper on **“Evaluate CNN Accuracy for Crowd Counting and Density Mapping”** in International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) on June 2025.

Adil Patel, Akshay Pardeshi, Vikas Mahato, Kumar Pawar BE students and **Prof. (Dr.) Jagruti Panchal**, Professor,

Department of Computer Engineering published paper on **“A Hybrid Approach using Visual and Thermal Data for Real-Time Poultry Health Monitoring”** in IJARSCT on June 2025.

Sumedh Patil, Piyush Shamkule, Pravin Chandore, Satyam Badakh BE students and **Prof. (Dr.) Alpana Adsul**, Head of Computer Engineering Department published paper on **“Smart Agricultural Monitoring System Using CNN and IoT for Crop Disease Detection and Real -Time Environment Analysis”** in International Journal of Advanced Computer Theory and Engineering (IJACTE) on June 2025.

Shrutika Jagtap, Mayuresh Karnavat, Rupali Khairnar, Rushikesh Kolge BE students and **Prof. (Dr.) Jagruti Panchal**, Professor, Department of Computer Engineering published paper on **“Skin Disease Analysis and Prediction using Machine Learning”** in IJARSCT on June 2025.

Anupama Rajeevan, Yogeshwari Bagul, Rutuja Bhosale, Susovan Bhowmik BE students and **Prof. (Dr.) Jagruti Panchal**, Professor, Department of Computer Engineering published paper on **“INTEGRATING GNN WITH ELK STACK FOR ENHANCED SECURITY LOG ANALYSIS”** in International Journal for Research Trends and Innovation (IJRTI) on June 2025.

Pawan Naphade, Sandesh Patil, Aditya Pandhare, Ritesh Patil BE students and **Prof. (Dr.) Jagruti Panchal**, Professor, Department of Computer Engineering published paper on **“Web Based Event Administration using Data Analysis”** in IJAR SCT on June 2025.

Piyush Ahire, Manoday Ahire, Amey Patil, Hemant Chaudhari BE students and **Prof. (Dr.) Deepali Sale**, Associate Professor, Department of Computer Engineering published paper on **“E-Wine: A Cloud-Driven Architecture for Secure and Scalable Digital Wine Retail”** in IJAR SCT on June 2025.

Anand Bhagat, Pranit Bhalekar, Rohit Gorde, Mahendra Gayakwad BE students and **Prof. (Dr.) Deepali Sale**, Associate Professor, Department of Computer Engineering published paper on **“Speech Emotion Recognition Using Feedforward Neural Network”** in IJAR SCT on June 2025.

Pratiksha Shirsath, Zainab Sayyed, Kiran Potdar, Shubham Sagar BE students and **Mr. T. Arivanantham**, Assistant Professor, Department of Computer Engineering published paper on **“Forgery Signature Detection System using CNN and PCA”** in International Journal for Research in Applied Science & Engineering Technology (IJRA SET) on June 2025.

Prajwal Thorat, Dipa Sanap, Onkar Thorat, Sandeep Pawar BE students and **Mr. T. Arivanantham**, Assistant Professor, Department of Computer Engineering published paper on **“Credit Card Fraud Detection Using Machine Learning”** in IJRA SET on June 2025.

Deepak Chaudhari, Pratik Mane, Amit Gaddam, Hrishikesh Fand BE students and **Mr. T. Arivanantham**, Assistant Professor, Department of Computer Engineering published paper on **“An Iot Based Smart Dustbin System”** in International Journal of All Research Education and Scientific Methods (IJARE SM) on June 2025.

Yash Dhumal, Mayur Shinde, Vaishnavi Tandale, Swarupa Shinde BE students and **Mrs. Anita Shinkar**, Assistant Professor, Department of Computer Engineering published paper on **“Digital Health Record System”** in International Journal of Innovative Research in Computer and Communication Engineering (IJIR CCE) on June 2025.

Mugdha Patil, Abhishek Kulkarni, Sarthak Kamble, Rutuja Jaitalkar BE students and **Mrs. Anita Shinkar**, Assistant Professor, Department of Computer Engineering published paper on **“A Unified Platform for Real-Time Travel Assistance and Cultural Exploration”** in International Journal of Research and Analytical Reviews (IJRA R) on June 2025.

Chaitanya Rasane, Pankaj Yadav, Harshal Rasane BE students and **Mr. Chandan Wagh**, Assistant Professor, Department of Computer Engineering published paper on **“AI BASED VEHICLE SELLING WEB APPLICATION”** in Journal of Emerging Technologies and Innovative Research (JETIR) on June 2025.

Dhiraj Waghmare, Swayambhu Bhapkar, Kaushal Taware, Shreyash Sathe BE students and **Mr. Chandan Wagh**, Assistant Professor, Department of Computer Engineering published paper on **“Legal Rights Predictor using AI”** in IJARST on June 2025.

Ankush Rahate, Aniket Rathod, Vaishnavi Sarsekar, Aishvarya Ugale BE students and **Mr. Laxmikant Malphedwar**, Assistant Professor, Department of Computer Engineering published paper on **“Career Vision: AI & ML Experience for Immersive Education Field Exploration”** in IJARESM on June 2025.

Sanchiti Nimble, Sakshi Pakle, Yash Nimse, Sanket Nagre BE students and **Prof. (Dr.) Alpana Adsul**, Head of Computer Engineering Department, **Mr. Laxmikant Malphedwar**, Assistant Professor, Department of Computer Engineering published paper on **“Crop Yield Prediction Using Machine Learning”** in IJARESM on June 2025.

Saurabh Pund, Aditya Salagare, Pranav Chavan, Vikas Singh BE students and **Mr. Laxmikant Malphedwar**, Assistant Professor, Department of Computer Engineering published paper on **“Enhancing Academic Integrity in Remote Exams: Automated Invigilation and Integrity Solution”** in IJARESM on June 2025.

Anerao Monika, Dhole Mangesh, Dixit Tanmay, Gaikwad Raman BE students and **Mr. Laxmikant Malphedwar**, Assistant Professor, Department of Computer Engineering published paper on **“Health Diagnostic Assistant using LLMs”** in IJARESM on June 2025.

Dinesh Temgire, Vivek Raut, Vedant Thorat, Anjali Babar BE students and **Mr. Sunil Yadav**, Assistant Professor, Department of Computer Engineering published paper on **“Cloud Based Solution Architecture for Placement Cell Web Based Application”** in International Journal on Science and Technology (IJSAT) on June 2025.

Swayamprabha, Samruddhi, Payal, Anil BE students and **Mr. Sunil Yadav**, Assistant Professor, Department of Computer Engineering published paper on **“Fake Product Detection in Supply Chain Using Blockchain Technology”** in IJIRT on June 2025.

Raj Patil, Apoorva Kakade, Prasad Mharnur, Samarth Mokashi BE students and **Ms. Snehal Mangale**, Assistant Professor, Department of Computer Engineering published paper on **“Detection and Tracing of Wild Animals using Machine Learning”** in IJAR SCT on May 2025.

Raj Kashid, Aditya Kamble, Vaishnavi Jangam, Mohan Kharat BE students and **Ms. Snehal Mangale**, Assistant Professor, Department of Computer Engineering published paper on **“Enhancing Real-Time Recognition of Marathi Sign Language Using MobileNetV2”** in IJAR SCT on May 2025.

Devika Naik, Vaibhavi Mane, Shubham Kharade, Pratham Matte BE students and **Ms. Snehal Mangale**, Assistant Professor, Department of Computer Engineering published paper on **“HARNESSING MACHINE LEARNING TO IDENTIFY FAKE INSTAGRAM ACCOUNT”** in Journal of Emerging Technologies and Innovative Research (JETIR) on May 2025.

Aditya Gaikwad, Akash Mhetre, Siddhesh Dicholkar BE students and **Prof. (Dr.) Alpana Adsul**, Head of Computer Engineering Department, **Mr. Vishal Borate**, Assistant Professor, Department of Computer Engineering published paper on **“Legal Rights Predictor using AI”** in IJAR SCT on June 2025.

Palak Purohit, Rucha Sambare, Samiksha Yadav, Arya Zunjarrao BE students and **Prof. (Dr.) Alpana Adsul**, Head of Computer Engineering Department, **Mr. Vishal Borate**, Assistant Professor, Department of Computer Engineering published paper on **“Lung Disease Prediction Using Machine Learning Algorithms and GAN”** in IJAR SCT on June 2025.

Rohit Dhakane, Shahuraj Gawade, Shubhangi Ghodake, Pranit Jadhav BE students and **Prof. (Dr.) Alpana Adsul**, Head of Computer Engineering, **Mr. Vishal Borate**, Assistant Professor, Department of Computer Engineering published paper on **“Machine Learning-Powered Protection Against Phishing Crimes”** in (IJAR SCT) on June 2025.

Sharvary Raut, Trupti Sonar, Shivani Tarwade, Vaishnavi Sabale BE students and **Mr. Sagar A. Dhanake**, Assistant Professor, Department of Computer Engineering published paper on **“Disease prediction based on classification of blood cells smear images”** in International IJRTI on June 2025.

Sakshi Gaikwad, Rushikesh Fade, Anushka Alhat, Dhananjay Gadhe BE students and **Mr. Sagar A. Dhanake**, Assistant Professor, Department of Computer Engineering published paper on **“Real-Time Stock Price Prediction”** in IJRTI on June 2025.

Kulange Aditya, Patil Manasi, Murade Sakshi, Kuchekar Akanksha BE students and **Mr. Sagar A. Dhanake**, Assistant Professor, Department of Computer Engineering published paper on **“Intelligent Accident Detection and Smart Alert System Using IoT”** in IJAR SCT on June 2025.

Akanksha Deshmukh, Sejal Jadhav, Omkar Bankar BE students and **Mr. Santosh Kawade**, Assistant Professor, Department of Computer Engineering published paper on **“Securing Children from Inappropriate and Harmful Things on the Internet”** in International Journal of Advanced Computer Theory and Engineering (IJACTE) on June 2025.

Tanuja Waware, Meghna Tighare, Amrut Taki, Divya Rathod BE students and **Mr. Santosh Kawade**, Assistant Professor, Department of Computer Engineering published paper on **“Your Day, Reflected: A Smart Mirror Solution”** in IJAR SCT on June 2025.

Krishna Kondhare, Shivam Mulik, Jyotiraditya Panchal, Mahesh Kale BE students and **Mr. Sharad Jadhav**, Assistant Professor, Department of Computer Engineering published paper on **“Implementation and Evaluation of an Automated Android Log Extraction Tool for Digital Forensics”** in IJAR SCT on June 2025.

Aayan Mundhekar, Snehal Kothawade, Hibah Momin, Hamza Khan BE students and **Mrs. Poonam Sadafal**, Assistant Professor, Department of Computer Engineering published paper on **“Drishti: A Currency Detection Application for Visually Impaired People”** in IJAR SCT on June 2025.

Shruti Hajare, Vaishnavi Kavitate, Raj Raje, Ganesh Rajguru BE students and **Mrs. Poonam Sadafal**, Assistant Professor, Department of Computer Engineering published paper on **“Drishti: A Currency Detection Application for Visually Impaired People”** in IRJMETS on June 2025.

Ekta Kushwaha, Anikesh Tripathy, Chaitri Kewal Bhatia BE students and **Mr. Sharad Jadhav**, Assistant Professor, Department of Computer Engineering published paper on **“Emotion Aware AI for Mental Health Monitoring”** in International Journal of Advanced Research in Science, Communication and Technology (IJAR SCT) on June 2025.

Srushti Tatte, Pragati Raut, Tanvi Shinde, Satyam Kumar BE students and **Mr. Sharad Jadhav**, Assistant Professor, Department of Computer Engineering published paper on **“Implementation and Evaluation of an Automated Android Log Extraction Tool for Digital Forensics”** in IJCRT on June 2025.

Awate Gauri, Gorade Shradha, Jadhav Anurag BE students and **Mr. Dnyanesh Gaikwad**, Assistant Professor, Department of Computer Engineering published paper on “**Healthcare Community Administration**” in IJARSET on June 2025.

Awate Gauri, Gorade Shradha, Jadhav Anurag BE students and **Mr. Dnyanesh Gaikwad**, Assistant Professor, Department of Computer Engineering published paper on “**Safe Drive Pro-IoT Based Driver Verification System**” in IJRAR on June 2025.

Payal Ingale, Parth Divekar, Sahil Chande, Siddhesh Bhuwad BE students and **Mr. Dnyanesh Gaikwad**, Assistant Professor, Department of Computer Engineering published paper on “**AI Enabled E-commerce Platform**” in IJRASET on June 2025.

Aditya S. Thorat, Sumit Thakur, Sanket Solanke, Mayur Tidke BE students and **Mrs. Aradhana Pawar**, Assistant Professor, Department of Computer Engineering published paper on “**Automated Data Entry Through Image-Processing for Advanced Medical Inventory**” in IJSREM on June 2025.

Mansi Dhobale, Sanika Ghodekar, Trupti Gholap, Pranav Jadhav BE students and **Mrs. Anamika Wasnik**, Assistant Professor, Computer Engineering published paper on “**Medical System Verification through Blockchain**” in IJARSET on June 2025.

PLACEMENT (GOVT. & PRIVATE)



Department of Computer Engineering student **Mr. Bhosale Om Dadaso**, A.Y 2022-23 pass out batch student Joined in Indian Air force as AIRMAN.



Prof. (Dr.) Suresh Mali, Principal DYPCOEI felicitating **Rushikesh Kolge, Anikesh Tripathi, Sarthak Kamble** final year students of Computer Engineering placed in Neilsoft, Pune with a package of 5LPA.



Anurag Sanjay Jadhav, Apoorva Kakade, Dinesh Temgire and Ekta Kushwaha are selected in Cognizant Technology Solutions India Pvt Ltd. as a Programmer Analyst Trainee with the package of 4.02 LPA.



Mr. Sumedh Patil from Computer Engineering student placed in Godrej Infotech, Pune with a package of 4LPA.



Mr. Sahil Chande, Mr. Mayur Shinde Computer Engineering students placed Samsan Technische Labs, Pune with a package of 3LPA.



Mr. Akash Narayan Murade from Computer Engineering student placed in V4C, Pune with a package of 7.5LPA.

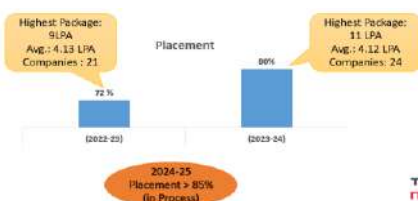
Student Technical Event Participation

Sr. No.	Year	Institute Level	State Level	National Level	Total no. of Activities
1	2024-25	08	03	55	66
2	2023-24	15	06	30	51
3	2022-23	10	05	1	16

Student Non - Technical Event Participation

Sr. No.	Year	Institute Level	State Level	National Level	Total no. of Activities
1	2024-25	10	07	02	19
2	2023-24	18	08	05	31
3	2022-23	09	06	03	18

Student Placement



FACULTY ACHIEVEMENTS PAPER PUBLICATION ON SCOPUS



Prof. (Dr.) Alpana Adsul,
Head of Computer
Engineering published Scopus

index paper title on “Quantum Cryptography for Secure Data Transmission in IoT Networks” DOI:10.52710/cfs.27, Corpus ID: 276041648

UK DESIGN GRAND



Prof. (Dr.) Deepali Rajendra Sale, Prof. (Dr.) Jagruti Raju Panchal and Mr. Chandan S Wagh faculties design on “Computer based IRIS detection device for Biometric Authentication” granted by UK Design



Certificate of Registration for a UK Design

Design number: 6411877

Grant date: 10 January 2025

Registration date: 17 December 2024

This is to certify that,

In pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Deepali Rajendra Sale, Dr. Latika Rajul Desai, Prof. Chandan S Wagh, Dr.

Jagruti Raju Panchal, Dr. Chaya Jadhav, Dr. Mrs. Palavissam Malathi

In respect of the application of such design to:

Computer based IRIS detection device for biometric authentication

International Design Classification:

Version: 14-2023

Class: 10 CLOCKS AND WATCHES AND OTHER MEASURING

INSTRUMENTS, CHECKING AND SIGNALING INSTRUMENTS

Subclass: 05 INSTRUMENTS, APPARATUS AND DEVICES FOR CHECKING,

SECURITY OR TESTING

Adam Williams

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks.

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.

Intellectual Property Office is a registered trademark of the United Kingdom

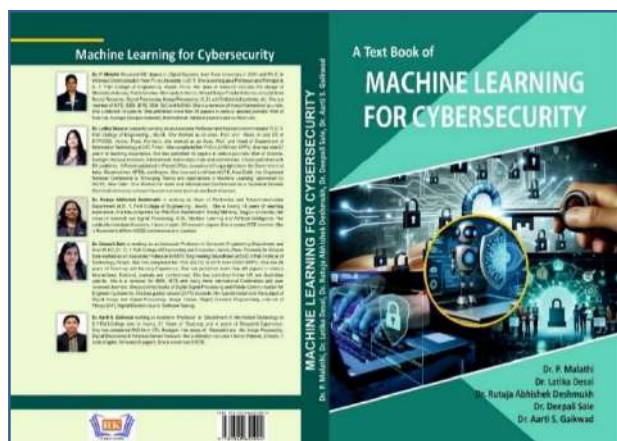
Registered 10/01/2025

BOOK / CHAPTER PUBLICATION



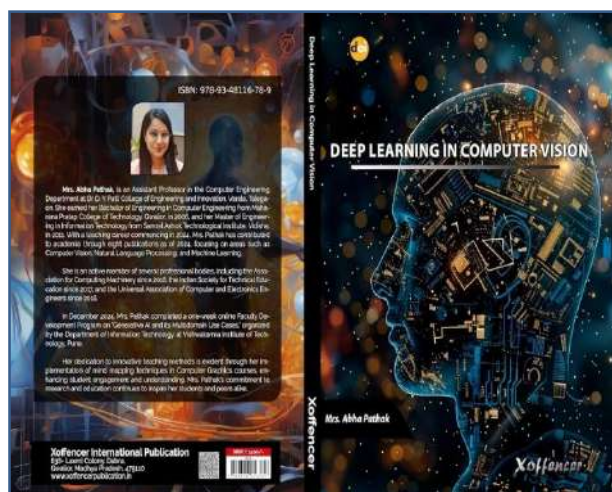
Prof. (Dr.) Deepali Sale,
Associate Professor, Department
of Computer Engineering

published A Text Book of “**Machine Learning
for Cybersecurity**” ISBN: 978-93-48655-00-4
by **R K Publications**.



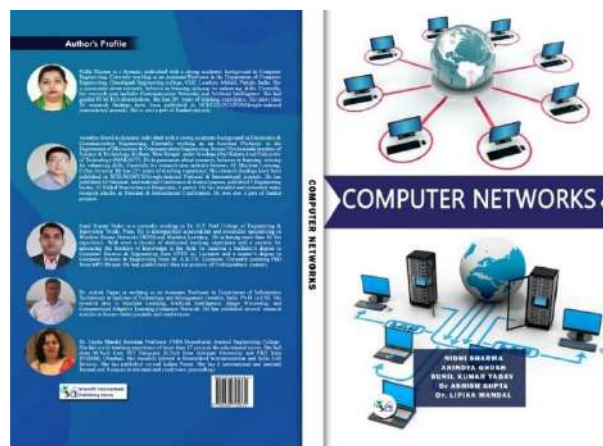
Mrs. Abha Pathak, Assistant
Professor, Department of
Computer Engineering is

published Book titled **“Deep Learning in Computer Vision”** ISBN: 9789348116789 by **Xoffencer International Book Publication House.**



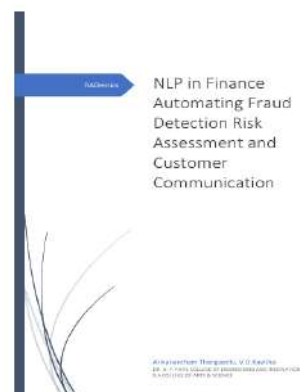
Mr. Sunil Kumar Yadav,
Assistant Professor, Department
of Computer Engineering

published Book of **“Computer Networks”**
ISBN: 978-93-6674-567-1 by **Scientific**
International Publishing House.



Mr.Arivanantham Thangavelu
Assistant Professor, Department
of Computer Engineering is

Author of **"Chapter - 13 - NLP in Finance Automating Fraud Detection Risk Assessment and Customer Communication"** in the book **"Applications of Natural Language Processing in Intelligent Systems and Conversational AI for Industry"** published by **RAD Emics**.



CONFERENCE REVIEWER



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

recognized of her valuable contribution as the **Reviewer** for Track 1: **Artificial Intelligence, Machine Learning, Data Science and Big Data** at AICTE- Sponsored International Conference on "**Advancement in Engineering & Science Recent Trends Applications**" at KBPCOE, Satara from 13th – 14th June 2025.



Prof. (Dr.) Deepali Sale,
Associate Professor, Department
of Computer Engineering

Reviewer on **"7th IEEE International Conference on Emerging Smart Computing and Informatics"** from 5th – 7th March 2025 at AISSMS, Pune.



Mr. Vishal Kisan Borate
Assistant Professor, Department
of Computer Engineering is

appreciated by BBD University for his contribution as a **Program Committee Member and Reviewer** on **2nd World Congress on Smart Computing (WCSC2025)** organized by School of Engineering Babu Banarasi Das University, Lucknow, India during 22nd – 23rd February 2025.

Mr. Vishal Kisan Borate, Assistant Professor, Computer Engineering participated **Technical Program Committee Member and Reviewer** in the **3rd International Conference on Power Engineering and Intelligent Systems (PEIS 2025)** held at National Institute of Technology, Uttarakhand on 8th – 9th March 2025.

Mr. Vishal Kisan Borate, Assistant Professor, Computer Engineering Department has provided valuable support and cooperation as a **Program Committee Member and Reviewer** International in the Conference on **AI and Robotics (AIR) 2025** to be held at The Center of Excellence in Medical Robotics and Research, Nazarbayev University Kazakhstan during 09th – 11th May 2025.

Prof. (Dr.) Deepali Sale, Associate Professor appreciated for Session **Reviewer** in the 2025 **1st Global Conference on Cognitive Computing and Communication Technology (GC4T-2025)**.

PAPER PUBLICATION



Mrs. Anita Rajkumar Sinkar,

Assistant Professor, Department of Computer Engineering paper

published on **“Intelligent Solar Energy Harvesting and Management in IoT Nodes Using Deep Self-Organizing Maps”** in **2024 International Conference on Emerging Research in Computational Science (ICERCS)** published in **IEEE Xplore**.

Mr. Vishal Kisan Borate, Assistant Professor, Department of Computer Engineering presented the paper titled on **“Identifying New Species of Dogs Using Machine Learning Model”** in **3rd International Conference on Futuristic Technologies (INCOFT–2025)** during 21st – 22nd February 2025 published in **IEEE Xplore**.



Mr. Sunil Kumar Yadav and

Mr. Vishal Kisan Borate,

Assistant Professor, Department of Computer Engineering

presented the paper titled on

“Rice Leaf Disease

Classification with Advanced

Resizing and Augmentation” in **4th International Conference RAEEUCI-2025** held during 23rd – 25th April 2025 organized by Department of ECE, SRMIST, Tamilnadu, India published in **IEEE Xplore**.



Mr. Laxmikant Malphedwar,

Assistant Professor, Department of Computer Engineering paper

received **Best Paper Award** on **“Optimized Video Anomaly Detection”** at **International Conference on Next Generation Computing (ICNGC-2K25)** held during 25th – 26th April 2025.

Mr. Laxmikant Malphedwar, Assistant Professor, Department of Computer Engineering published **Scopus** index paper on **“Pneumonia detection on chest X-ray images using segmentation technique and modified AlexNet-ML classifiers”**



Mr. Arivanantham Thangavelu

Assistant Professor, Department of Computer Engineering paper

published on **“A Temporal and Classification Approach to Predicting Stress and Work-Life Balance Among Higher Education Teachers”** in **3rd IEEE International Conference on IATMSI March- 2025** published in **IEEE Xplore** on May - 2025.



Ms. Abha Pathak, Assistant

Professor, Department of Computer Engineering published

paper on **Springer** Nature Link on **“A Comprehensive Investigative Analysis of Emotional Intelligence: Theoretical Frameworks, Measurement Methodologies, and Multifaceted Applications”**.

FACULTY DEVELOPMENT PROGRAM

Prof. (Dr.) Alpana Adsul, Head of Computer Engineering, **Mr. T. Arivanantham**, **Ms. Abha Pathak** and **Ms. Poonam Sadafal** Assistant Professor, Department of Computer Engineering successfully completed one-week FDP on **“Academia - Industry Synergy: Leveraging Expertise for Mutual Growth”** organized by VIT, Pune from 20th – 24th January 2025.

Mr. Arivanantham Thangavelu, Assistant Professor, Department of Computer Engineering successfully completed the online one-week FDP on **“Advanced Topics in Fintech Security”** by Department of Information Technology, NIT, Raipur from 17th – 21st March 2025.

Mr. Vishal Kisan Borate and **Mrs. Swapnanjali Thorgule**, Assistant Professor, Department of Computer Engineering successfully completed online one-week FDP on **“Next Gen AI Skills: A practical Approach for Educators”** organized by VIT, Pune from 24th – 28th March 2025.

Ms. Abha Pathak, Assistant Professor, Department of Computer Engineering has successfully Completed FDP on **“Reliable Artificial Intelligence Applications for Autonomous Systems AI and Generative Models”** organized by IIITM, Gwalior during 12th – 18th April 2025.

Mr. Laximikant Malphedwar, Assistant Professor, Department of Computer Engineering has participated in 5 Days National Level Online FDP on **“Quantum Computing: From Qubits to Algorithms”** organized by Department of Computer Engineering, Hope Foundation’s International Institute of Information Technology, Pune held from 19th - 23rd May 2025.

Ms. Shubhangi Kshirsagar, Assistant Professor, Department of First Year Engineering has participated in 5 Days Online FDP on **“Modern Cybersecurity Practices and Innovation in Securing the Digital Future”** organized by SIMATS, Chennai held from 26th – 30th May 2025.

Prof. (Dr.) Alpana Adsul, Head of Computer Engineering has actively completed the **NEP 2020 Orientation & Sensitization Programme** under Malaviya Mission Teacher Training Programme of University Grants Commission (UGC) organized by **UGC Malaviya Mission Teacher Training Centre (MMTTC), University of Calicut** from 02nd – 12th June 2025.

Prof. (Dr.) Deepali Sale, Associate Professor, Department of Computer Engineering has successfully completed 16-Hours **“NLP Foundation Course”** conducted by MindSkul on 7th – 8th June 2025.

Prof. (Dr.) Deepali Sale, Associate Professor, Department of Computer Engineering has successfully completed a One Week Faculty Development Program (FDP) on **“Research & Innovation Policies, Learning Methods & Development Schemes”** organized by M. S Badve Engineering College, Latur from June 16th – 20th June 2025.

Mr. Sunil Kumar Yadav, Assistant Professor, Department of Computer Engineering has actively Participated in the 5-days National-Level Online Faculty Development Program (FDP) on **“AI-ML in HealthCare and Medical Informatics”** organized by the Department of Computer Engineering, at Dr. D. Y. Patil Institute of Technology, Pimpri Pune-18 from 16th – 20th June 2025.

SEMINAR

Mr. Vishal Kisan Borate, Assistant has participated National Level Seminar on **“Cyber Security and Data Privacy”** organized by Department of Data Science, Atharva Educational Trusts, Mumbai held on 12th February 2025.



COPY RIGHTS



Prof. (Dr.) Suresh Mali, Principal, DYPCOEI, and **Srushtee Vilas Ingle, Sukanya**

Mahadev Mane, Vaibhavi Anil Kalshetty and Vaishnavi Dattatray Khune BE Computer Engineering Students Copyrights has been registered for the work titled **“Effective Face Recognition Using Feature Extraction For Person Tracking”** Application No.: 11532/2025-CO/L, in accordance with the provisions of the Copyright Act,1957, Certificate No.: LD-20250166610.



Mr. Sagar Dhanake, Assistant Professor and **Miss. Sakshi Gaikwad, Mr. Rushikesh Fade,**

Mr. Dhananjay Gadhe and Miss. Anushka Alhat BE Computer Engineering students registered Copyrights on **“Real Time Stock Price Prediction”** Registration No.: **L-162893/2025**, in accordance with the provisions of the Copyright Act,1957.



Mr. Sharad Arjun Jadhav, Assistant Professor, Department of Computer Engineering Copy

Rights on **“IoT-driven Energy Consumption Optimizer”** Application No.: 4028/2025-CO/L, in accordance with the provisions of the Copyright Act,1957, Certificate No.: LD-20250164053.



Prof. (Dr.) Jagruti Panchal,
Professor, **Sandesh Patil, Pawan**
Naphade, Aditya Pandhare

and **Ritesh Patil** BE students Copyright has been registered for the work titled **“Web Based Event Administration using Data Analysis”** Certificate No.: LD-163531/2025 and **Prof. (Dr.) Jagruti Panchal**, Professor, Department of Computer Engineering Copyright has been registered for the work titled **“Automation in Poultry farm using AI-ML IOT”** as disclosed in the below mentioned application in accordance with the provisions of the Copyright Act, 1957, Certificate No.: LD-20250164929.



Prof. (Dr.) Deepali Sale,
Associate Professor, Department
of Computer Engineering Three(3)

Copyrights has been registered for the work titled **“Smart Door Lock and Unlock System Using Mobile Application Based on IoT”** Application No.: 4754/2025-CO/L, **“Medical Image Analysis And Visualization Using Image Processing”** Application No.: 5248/2025-CO/L and **“Speech Emotion Recognition Using Feedforward Neural Network”** Application No.: 4563/2025-CO/L as disclosed in the below mentioned application in accordance with the provisions of the Copyright Act, 1957, Certificate No.: LD-20250163992, L-163593/2025 and LD-20250164572 respectively.



Dr. Sopan Raosaheb Shinde,
Assistant Professor, Department of
Computer Engineering Design has

been registered for the work titled **“Metric-Topological Analysis Device”** in pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001 Design No.: 443897-001.



Mr. Arivanantham Thangavelu
Assistant Professor, Department
of Computer Engineering Copy

Rights has been registered for the work titled **“Forgery Signature Detection System Using CNN and PCA”** Application No.: 4563/2025-CO/L, Certificate No.: LD-20250164580 and **Mr. Arivanantham Thangavelu**, Assistant Professor, Department of Computer Engineering Copy Rights has been registered for the work titled **“An Iot Based Smart Dustbin System”** Application No.: 11526/2025-CO/L, in accordance with the provisions of the Copyright Act, 1957, Certificate No.: LD-20250166989.



Ms. Poonam Sadafal, Assistant
Professor, Department of
Computer Engineering Copy

Rights has been registered for the work titled **“Predictive Maintenance In Industrial Machinery using Machine Learning”** Date of ROC: 20/06/2025, in accordance with the provisions of the Copyright Act, 1957, Certificate No.: LD-20250166953.



Mr. Vishal Kisan Borate
Assistant Professor, **Aditya Gaikwad, Akash Mhetre** and

Siddhesh Dicholkar BE students Copy Rights has been registered for the work titled **“Analysis of Malware Detection Using Various Machine Learning Techniques”** Date of ROC: 27/05/2025, in accordance with the provisions of the Copyright Act,1957, Certificate No.: LD-20250165582.

APPRECIATION – EMPOWER CAREERS



Prof. (Dr.) Alpana Adsul, Head of Computer Engineering appreciated her continued support and partnership to empower careers and transform students lives with **Anudip**.

NPTEL CERTIFICATION



Ms. Snehal Ravindra Mangale, Assistant Professor,
Department of Computer

Engineering for Successfully Completed the NPTEL 12 week’s online certification course on **“Fundamentals of Object Oriented Programming”** with a consolidated score of **90%** with **Elite Gold** Certificate.

PRE - PLACEMENT TRAINING APTITUDE TRAINING - SECOND YEAR

DYPCOEI, Varale Campus organized “Pre-Placement Training” for Second Year Engineering students from 6th – 11th January 2025 as per industry expectation. The session was attended by 160+ students from Department of Computer Engineering.

Day-1 (06-2025)

An industry expert has presented the syllabus, which includes a basic quiz competition and topics like Arithmetic Simplification, Square, Cube, Blood Relation Leap Year, Clock & Calendar, Tips and Tricks, etc.



Pre-Placement Training for SE students.

Day-2 (07-01-2025)

A quick explanation of basic arithmetic operations and simplification techniques was provided by an industry specialist. Also, he included an enormous number of practice examples. Students were asking questions and solving problems.

An industry expert was astute enough to respond to the student’s questions.

Day-3 (08-01-2025)

Number System, HCF & LCM, Blood Relations, Questions and Answers have been the areas of concentration for industry experts. Mr. 8Lakshmi Kant discussed the significance of high-scoring topics and how they help students score higher on aptitude tests. Along with this, easy tricks to solve complex problems were given by him.

Day-4 (09-01-2025)

Profit and Loss, Average, Weighted Average, Syllogism, Binary Logic, Direction Sense, And Questions & Answers have all been discussed by industry expert.

Day-5 (10-01-2025)

The instructor focused on the concepts and difficulties related to Time, Speed, And Distance. Square and Square Roots, Direction Sense difficulties resolved, and a brief quiz are organized in addition to that.

Day-6 (11-01-2025)

The instructor covered seating arrangements and the most crucial questions regarding direction sense.

Multiple problems resolved by students.

The instructor covered Logical Reasoning, Statement & Assumptions, Ratio & Proportion, Seating Arrangement and numerous problems. Second Year Engineering students learned aptitude tasks in this Pre-Placement Training.

PRE - PLACEMENT TRAINING **Aptitude - Python Training - THIRD YEAR**

DYPCOEI, Varale Campus organized “Pre-Placement Training” for Third Year Engineering students from 6th – 18th January 2025 as per industry expectation. The session was attended by 120+ students from Department of Computer Engineering.

The training was scheduled for 2 weeks:

1st week from 6th – 11th January they given training on “Quantitative Ability and Logical Reasoning”.

2nd week from 13th – 18th January they prearranged training on “Python Programming”.

Day-1 (06-01-2025)

The instructor has presented the importance of Logical reasoning. He explained analyzing problems, identifying patterns, and making connections to draw valid conclusions. He clarified two main types: deductive reasoning and inductive reasoning.



Pre-Placement Aptitude Training for TE students.

Day-2 (07-01-2025)

The instructor discussed how to solve mathematical problems, understand numerical data, and apply basic arithmetic concepts? He

explained with different examples and shortcut formulas for quick calculations.

Day-3 (08-01-2025)

The instructor deliberated verbal reasoning concepts. He explained the relationship between two words and identifying a similar relationship for another pair. How to find the statement is true or false? He discussed importance of reading comprehension, critical thinking, problem-solving, and effective communication.

Day-4 (09-01-2025)

The instructor presented data Interpretation. He explicated how to analyze and interpret different forms of data, including tables, graphs and charts?

Day-5 (10-01-2025)

The instructor described how to identify patterns, sequences and rules in various shapes, letters and numbers. He explained with suitable example and clarified students doubts.

Day-6 (11-01-2025)

The instructor defined techniques on Time and Work topic. He explained the time taken by an individual or a group to complete a job or a piece of work and its efficiency.

Students learned pre-placement aptitude training through “Quantitative Ability and Logical Reasoning” skills from 6th – 11th January 2025 on 11th January they arranged aptitude test after test they discussed answers and clarified students doubts.



Test conducted on 11th January 2025.

Pre-Placement training on “Python Programming” started from 13th – 18th January 2025 for TE students.

Day-7 (13-01-2025)

Industry expert has presented the basic concept of python with its key features, Limitations and real time applications. Also gives hands-on-training on different Python operators like- Arithmetic Operator, Assignment Operator, Bitwise Operator, Logic Operator, and Comparison Operator. Students solve many assignments of python programming.

Day-8 (14-01-2025)

Industry expert has explained Data types, and Comments in python, and explain how to use lists, tuples, and dictionaries in Python programs. Also gives hands-on-training on different Control Statement in python like- Nested if Statement Syntax, Nested if-else Statement Syntax.

Day-9 (15-01-2025)

Industry expert has explain range() function and String. Also gives hands-on-training on range() function in python program.

Day-10 (16-01-2025)

Industry expert has explain different type of string like- single quote, double quote, and triple quote, also explain in Python, how to strings (str) can be created by enclosing text in single quotes ' , double quotes " , and triple quotes (" , ""). Expert explained Errors and Exceptions. Also gives hands-on-training on handling exceptional error and syntax error in python program. In this training student solved python assignments and 5 Mini Projects.

Day-11 (17-01-2025)

Trainers conducted test on python program. They evaluated student's papers and they discussed answers. They trained students to solve complicated program statement by simple formula implementation techniques.

Day-12 (18-01-2025)

Trainers formed mini groups of 3 to 4 students and they assigned mini project statement to each group. Students enthusiastically solved mini projects. The training created confidence to students for their campus placement.

Students cultivated pre-placement python programing training from 13th – 18th January 2025 after successful 2 weeks training improved students aptitude skills and python programing knowledge. They got confidence how to face & prepare for campus interview. This training was helpful to TE students and motivated students to check their aptitude skill test on different online aptitude test sites.



Pre-Placement Python Training for TE students.

PRE - PLACEMENT TRAINING **Blockchain Training - FINAL YEAR**

DYPCOEI, Varale Campus organized Pre-Placement Training for Final Year Engineering students on “Blockchain Technology” from 28th – 29th January 2025 as per industry expectation. The session was attended by 90+ students from Department of Computer Engineering and AI-DS.

Mr. Nitin Sharma and Mr. Gaurav Gangwar, Koi Infotech India Pvt.Ltd discussed on “Blockchain Technology”. They explained blockchain as a decentralized, distributed ledger that records the provenance of a digital asset. By inherent design, the data on a blockchain is unable to be modified, which makes it a legitimate disruptor for industries like payments, cybersecurity and healthcare.

A database structures its data into tables where as a blockchain, like its name implies, structures its data into chunks (blocks) that are chained together. This makes it so that all

blockchains are databases but not all databases are blockchains. This system also inherently makes an irreversible timeline of data when implemented in a decentralized nature. When a block is filled it is set in stone and becomes a part of this timeline. Each block in the chain is given an exact timestamp when it is added to the chain. Each node has a full record of the data that has been stored on the blockchain since its inception. For Bitcoin, the data is the entire history of all Bitcoin transactions.

If one node has an error in its data, it can use the thousands of other nodes as a reference point to correct itself. This way, no one node within the network can alter information held within it. Because of this, the history of transactions in each block that make up Bitcoin's blockchain is irreversible.

Following topics are deeply explained:

- Blockchain Architecture
- Smart Contracts
- NFTs and Tokenization
- Blockchain Security and Privacy
- Building a Simple dApp
(Decentralized Application)



Pre-Placement Blockchain Training for BE students.

STTP - Short Term Training Program Recent Trends & Techniques In Cyber & Digital Forensic

Department of Computer Engineering in association with Indian Society for Technical Education (ISTE) in Collaboration with National Forensic Sciences University (NFSU) Short Term Training Program (STTP) on “Recent Trends & Techniques in Cyber & Digital Forensic” from 6th – 10th January 2025.

Department of Computer Engineering has hosted the program. We are truly grateful to Dr. Pratapsinh Kakasaheb Desai, President, ISTE for sanctioning our STTP proposal. Also thankful to Prof. Mahipal for their continuous guidance.

Prof. (Dr.) Jagruti Panchal and Prof. (Dr.) Deepali Sale are STTP coordinators.



**Saraswati Pujan by Prof. (Dr.) Suresh Mali,
Principal DYPCOEI on 6th January 2025.**

Program was started with Saraswati Pujan (Goddess of Knowledge and Wisdom) by respected dignitaries followed with felicitation.



Dignitaries on the Dias.



Prof. (Dr.) Suresh Mali, Principal DYPCEI addressing participants on 6th January 2025.

Day-01 (06-01-2025)

Mr. Senthil Venkidesan, Zold Academy Pvt. Ltd. Gurgaon, Haryana was the keynote speaker of the program.



Day-01: Session on “Cyber Security” by Mr. Senthil Senkidesan, Zold Academy Pvt. Ltd. Gurgaon, Haryana on 6th January 2025.

This session was brief introduction about latest cyber threats like APTs, ransomware, and IoT vulnerabilities and cybersecurity tools like

Wireshark, Metasploit, and FTK Imager for conducting penetration testing and digital forensics.

Day-02 (07-01-2025)

Mrs. Sharada Avadhanam, Director and Mr. Subramanyam from National Forensic Sciences University, Pune delivered session on “Digital Forensics Investigation Process”.



Day-02: Session on “Digital Forensics & Cyber Crime” by Mrs. Sharada Avadhanam, Director and Mr. Subramanyam, National Forensic Sciences University, Pune on 7th January 2025.

They elucidated Digital Forensics & types, Importance of Cybersecurity & Criminal Investigations, Legal & Ethical Considerations and Overview of Common Cybercrimes. They expounded prevalent cybercrimes investigated using digital forensics.

Day-03 (08-01-2025)

Mr. Deepak S. Kaldhane, Assistant Professor, NFSU and Dr. Priti Vijaykumar Pancholi, M.S. Bidve Engineering College, Latur delivered session on “Cybercrimes on Audio Video Analysis” and “Intellectual Property Rights” respectively.



Mr. Deepak S. Kaldhone, Assistant Professor, NFSU and Dr. Priti Vijaykumar Pancholi, M.S. Bidve, Engineering College, Latur.

Mr. Deepak S. Kaldhone described Cyber Forensics Crimes and Legal approach, Digital evidences found on crime scene, Treatment of Digital evidence/exhibits with forensic and Digital Software / tools used for analyzing

Dr. Priti Vijaykumar Pancholi, revealed Patents, Copyrights, Trademarks and Trade Secrets. She explained how to Protect confidential business information, safeguarding ideas and respecting the rights of others.

They delivered session on awareness about cybercrimes and preventive measures.

Day-04 (09-01-2025)

Mrs. Yogita Sagar Dhage, Regional Information Officer, Man Trucks & Buses India Pvt. Ltd., Pune conveyed session on “Cybercrimes”.

She projected India’s Cybersecurity Framework, Defensive Measures, Offensive Capabilities and International Cooperation.



Mrs. Yogita Sagar Dhage, Regional Information Officer, Man Trucks & Buses India Pvt. Ltd., Pune conveyed session on “Cybersecurity”.

Day-05 (10-01-2025)

Day-5 - All participants visited NSFU, Pune. There was demonstration and practical implementation of various digital and evidence investigation tool was shown and participants got real time experience in digital cybercrime process analysis.

National Forensic Science Academy - Pune, Maharashtra (NFSU Academy – Pune) is another off-campus of National Forensic Sciences University (NFSU), which has been established in collaboration with Directorate of Forensic Science Services (DFSS, New Delhi) and Central Forensic

Science Laboratory - Pune (CFSL- Pune) in the Month of June 2022 through NFSU Notification ADM/NFSU/Noti_Campuses/1932/2022. The academy is presently functioning from the CFSL - Pune building in the Pune district of Maharashtra. The NFSU Academy, Pune envisions a holistic development through research, training & quality education.



STTP participants visited NSFU, Pune on 10th January 2025 for Session.

There was huge contribution over the program, STTP attended by 62 participants and among that ISTE members are 41, Non ISTE members are 21. STTP conducted in hybrid mode.



STTP Certificate distributed for Participants on 10th January 2025.

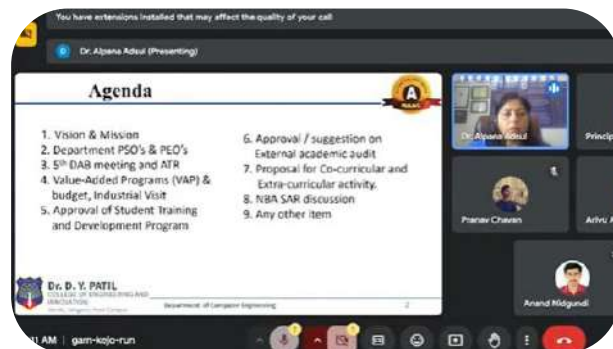
Department Advisory Board Meeting Strategy Meeting

Department of Computer Engineering arranged Department Advisory Board (DAB) 7th meeting on 6th February 2025.

Prof. (Dr.) Alpana Adsul, Head of Computer Engineering virtually welcome all the DAB Committee Members. She discussed various training organized for SE, TE and BE students as per industrial expectation at the starting of A.Y 2024-25 semester –II.

Department of Computer Engineering

She informed to DAB members the mile stone of department proposed by External NBA audit committee members to submit NBA SAR. Under the valuable guidelines on 31st January 2025 Department of Computer Engineering submitted NBA E-SAR - DAB members cherished



Department of Computer Engineering 7th Department Advisory Board (DAB) Meeting on 6th February 2025.

All the DAB members got information about all the activities done in A.Y 2024-25 and also budget proposal of A.Y 2025-26. Industry expert and Academician had given some suggestions for new approval.

Dr. Suresh Mali, Principal DYPCOEI:

- We are planning to convert DAB committee to Board of Studies in A.Y 2025-26 for Autonomous.
- Feedback from Alumina students regarding course content.
- Exam pattern to be finalize by committee members.
- Every student should present topics in class room to improve their communication skill

Mr. Swami Panjala, Founder of Elite Software:

- Communication Activity should introduce for SE, TE and BE class in any topic.
- Minimum 5minutes presentation is must for every student.

Miss. Vaishnavi Desai, DCE Student:

- Web 3.0 workshop - students ask to arrange more workshop in new technology.

Mr. Pranav Chavan, DCE Student:

- Appreciated the department efforts and the preplacement training.

The meeting was ended with Vote of thanks by Prof. (Dr.) Alpana Adsul, Head of CE.

WORKSHOP
Gen AI and Career Guidance

Department of Computer Engineering organized the workshop on “Gen AI and Career Guidance” by Mr. Lokesh Mathur, Co-founder of Aimerz.ai on 21st March 2025.



Prof. (Dr.) Alpana Adsul, Head Computer Engineering felicitating Mr. Lokesh Mathur, Co-founder of Aimerz.ai on 21st March 2025.

During the session, Mr. Lokesh Mathur explained brief introduction to Generative AI, discussing its trends and applications with practical examples such as ChatGPT.



Mr. Lokesh Mathur discussing about Generative AI on 21st March 2025.

He explained how this technology is transforming various industries and its potential for the future.

Along with the technical session, Mr. Lokesh Mathur also guided students on how to face interviews effectively. He shared valuable tips on resume building, common interview questions, and techniques to handle challenging interview scenarios confidently. Furthermore, he emphasized the importance of developing strong communication skills, providing strategies and exercises to enhance verbal and non-verbal communication.

The session was highly interactive, with students actively participating and asking questions. The workshop concluded with a Q&A session, where Mr. Lokesh Mathur addressed various queries related to AI, career growth, and personal development. Workshop

was joined and benefited by 80+ students and 15+ faculty members of DYPCOEI.

Hands-on Training **Infosys Springboard (Maker Lab on Wheels)**

Infosys Springboard (Maker Lab on Wheels) – Hands-on training on street lighting and Parking Precision Systems (Centrado Kit) organized by Department of Computer Engineering for TE and SE students from 26th – 29th March 2025, training was coordinated by Mrs. Abha Pathak, Assistant Professor, Computer Engineering.



The training session was conducted in the Infosys Springboard Van at DYPCOEI, Varale Campus, where Mr. Gaurav Bobade guided students through the importance of IoT in solving real-world

problems. The session covered problem definition, IoT-based solutions, and the working of kits. Each batch had a one-hour session, with 20 students per batch. Students first enrolled on the Infosys Springboard platform. If they had an existing account, they could search for the course and register. If not, they used their Gmail

accounts to create one. After registration, students watched an instructional video explaining the execution of IoT kits. They then performed hands-on activities using the kits to observe outcomes. Upon completion, they attempted an assessment consisting of five MCQs. Successful completion led to the generation of a course completion certificate. A total of 300+ students participated in the training, including 159 from Second Year Computer Engineering 174 from Third Year Computer Engineering. The training was successfully conducted inside a bus equipped with a complete lab setup and all necessary equipment.

YIN Awareness Program **Empower Youth**

The session began with guidance provided by Ms. Snehal Mangale, Dean Students Welfare on 17th March 2025. The awareness program was initiated and actual meaning of the YIN Club and the activities to be conducted under it discussed on this event.



Mr. Udayan Dusane, YIN President delivered session on YIN on 17th March 2025.

Mr. Udayan Dusane, YIN President and Mr. Gaurav Nikam, YIN Vice President of the club. Additionally, Ms. Snehal Mangale assigned posts to the members, including Secretary, Joint-Secretary, Treasurer, Documentation Head, Six Moto Heads, and more.

After that, the President, Mr. Udayan Dusane, delivered an engaging and helpful speech about the YIN Club's motive and the activities undertaken by the club. He elaborated on the main objectives of the YIN Club and the reasons behind its formation. Mr. Udayan Dusane shared examples of students who have been connected with the YIN Club and highlighted various activities they have undertaken to make citizens' lives easier and drive positive changes in the city.

Ms. Snehal Mangale further explained the importance of each member's post and outlined their specific responsibilities. She described each role in detail, including the rules they are expected to follow. Additionally, she shared the Six Moto's of the YIN Club and emphasized their significance. Thanks to this session, club members gained a clear understanding of the YIN Club's purpose and their roles within it. YIN Club members understood their Roles and Responsibilities below points were discussed on YIN awareness program.

- Members connect with the YIN Club's primary objectives and motives, such as

promoting initiatives that improve citizens' lives and foster positive changes in the community.

- Inspiration and Motivation for Club members.
- Session helps in enhancing focus on the Six Moto's of YIN
- Enhanced Team Spirit and Collaboration

The awareness program was concluded by vote of thanks by Mr. Gaurav Nikam, YIN Vice President of the club.

YIN Club Inauguration **DYPCOEI Young Inspirators Network club**

The YIN Club Opening began with a ribbon - cutting ceremony by the chief guest, Mr. Chetan Limhan, Sr. Executive, YIN, and Ms. Preeti Sakhare from the Ministry of Labor and Employment, Divine HR Forum at DYPCOEI, Varale campus on 20th March 2025.

This was followed by an introduction of the guests and the lighting of the lamp (Saraswati Pujan) by the guests.

Glimpses of YIN Club Inauguration:





After that, the digital opening of the club was marked by playing a video. The event continued with the felicitation of the guests and club members by Prof. (Dr.) Alpana Adsul, Head of Computer Engineering and Prof. (Dr.) Deepanita Mondal, Head of AI-DS. Prof. (Dr.) Alpana Adsul delivered an inspiring and insightful speech, encouraging students to boost their confidence and energy.



Prof. (Dr.) Alpana Adsul delivered an inspiring speech on 20th March 2025.

Ms. Preeti Sakhare gave an engaging and helpful speech about the importance of the YIN Club.

Her speech was truly beneficial for the members of the club as well as the students attending the session.

The main motive of the club to create a network of young inspirators was emphasized. Ms. Sakhare shared technical and non-technical knowledge that will help in future endeavours, including choosing a career path. The session

was very well received, as students found it both informative and motivating. The club members also gained clarity on the roadmap for their projects within the YIN Club.



Ms. Preeti Sakhare, Ministry of Labor and Employment, Divine HR Forum motivational speech on 20th March 2025.



Mr. Udayan Dusane, YIN President and Mr. Gaurav Nikam, YIN Vice President felicitated on 20th March 2025.

YIN Club Opening ceremony:



Ms. Preeti Sakhare ribbon cutting and opening CYPCOEI YIN Club with digital opening.

The event concluded with expressions of gratitude by Mr. Chetan Limhan, Sr. Executive, YIN with valuable guidelines.

यिन क्लबचे तीन महाविद्यालयांमध्ये उद्घाटन



**YIN Club inauguration news on Sakal paper
Page No. 7 on 23rd March 2025.**

CODEFIESTA-2K25 Coding Competition

Department of Computer Engineering organized
“Codefiesta-2K25” coding competition on 3rd
April 2025.

coding competition “Codefiesta-2K25” is to
improve a student’s coding proficiency and
developing problem-solving skills. Improve
student’s critical thinking skills through the
application of algorithms. It provides a
challenging environment and fun environment
to enhance coding abilities.

Codefiesta-2K25 – following contest organized

1. Reverse Engineering: PL(A220)
2. Speed King: DSL(102)
3. CODING CONTEST: SSOSL(A121)
4. Bug Bounty: CNL(113)
5. Blind coding: DAL(112)

Reverse Engineering Challenge:

Department of Computer Engineering

Program is scattered into different part or may
be there some bug in code that they have to fix

Individual Tasks: (Coding Competition)

Speed King:

Typing test can be conducted on
<https://www.keybr.com/typing-test>

platform there can be check the typing speed.

Blind Coding:

In blind coding the screen will off & we
give tasks to participant to solve them.

Tasks like: - Pattern printing, Swapping
numbers, Sequence of number printing.

Coding Contest:

Timed competitions where participants solve
algorithmic & logical problems.

Bug Bounty Challenge:

Participants identify and fix bug in given
codebases.



**Prof. (Dr.) Suresh Mali, Principal DYPCOEI
inaugurated Codefiesta-2K25 on 3rd April
2025.**

Coding competitions primarily enhancing
problem - solving skills, algorithmic thinking,

and coding efficiency. Participants develop a deeper understanding of computer engineering concepts, and improve student's analytical abilities. Students get a platform as competitive edge for software engineering careers and connect with outside (global) programming community.



Prof. (Dr.) Suresh Mali, Principal DYPCOEI felicitated by Prof. (Dr.) Alpana Adsul, Head of Computer Engineering on 3rd April 2025.

Prof. (Dr.) Suresh Mali motivated participants with welcome speech.



Prof. (Dr.) Suresh Mali, Principal DYPCOEI welcome speech.

Today is not just about algorithms, debugging, or who finishes first. It's about passion, persistence, and the power of turning ideas into reality using code. Every great app, every breakthrough technology, every smart device we

use today started with a spark — a simple line of code and a determined mind

He encourages you to collaborate, to learn from one another, and most importantly — to have fun! Winning is great, but learning and growing through this experience is what truly counts.

Glimpses of Codefiesta-2K25:



TECHATHON-2K25

Project Competition

Department of Computer Engineering organized “Techathon-2K25” Project competition on 4th April 2025.

Project Competition — a celebration of creativity, innovation, and hard work.

The main objective of project competition “Techathon-2K25” is to develop students' abilities in areas like critical thinking, problem-solving, communication, and self-management. To enhance practical skills of the students by applying their knowledge to real-world problems.

Total 52 groups participated in technical event “Techathon-2K25” from various colleges.

Faculty Judges:

Dr. Deepali Sale, Dr. Jagruti Panchal, Dr. Pravin Latane, Mr. T. Arivanantham, Mr. Chandan Wagh, Mr. Sunil Yadav, Mr. Pankaj Dhakate and Ms. Snehal Mangale.

Techathon-2K25 provided students a platform to think innovatively and creatively while applying their knowledge to real-world problems. It bridges the gap between theoretical learning and practical implementation through hands-on project work and it foster teamwork, communication, and collaborative skills through group projects and interdisciplinary efforts.

Glimpses of Techathon-2K25:



Techathon-2K25 aims to empower students to take initiative, take ownership of their ideas, and present themselves as future leaders.

PRE-PLACEMENT TRAINING

Python, Java and aptitude Training

Pre-Placement Training (PPT) aims to prepare students for the recruitment process by enhancing their skills and confidence. Key objectives include improving resume building, interview skills, aptitude and technical skills, group discussion abilities, and overall personality development. Each semester end DYPCOEI, Varale campus use to conduct Pre-Placement training for Engineering students.

On 16th June 2025 Gyanteerth, Pune conducted offline test in Python and Java for upcoming BE students.

As per student's interest and their skills in above programming language students are divided for two types of training one is Python / Java and Aptitude training for Computer Engineering and AI-DS students. The training started from 17th June to 16th July 2025.

APTITUDE TRAINING

Aptitude training aims to enhance a person's natural abilities and potential for learning and performing specific tasks. It focuses on developing skills like logical reasoning, numerical ability, spatial awareness, and verbal proficiency, which are assessed through aptitude tests.

Mr. Sahil Gupta, Gyanteerth, Pune is a dedicated Aptitude Trainer known for his ability to make learning both effective & with a solid background.

Day 1 (17-06-2025)

Mr. Sahil Gupta, Trainer, Gyanteerth, Pune started Aptitude Session - Introduction about training importance for placement and why Aptitude training?

Trainer started aptitude session with Coding-Decoding involves finding the logic or pattern used to encode a word, number, or set of characters, and applying that logic to decode another word or code.



Mr. Sahil Gupta, Gyanteerth, Pune trainer conducted Aptitude training on “Coding – Decoding” on 17th June 2025.

Day 2 (18-06-2025)

The trainer taught “Percentage” aptitude session. Percentage means “per hundred.” It is a way of expressing a number as a fraction of 100 on 18th June 2025. He discussed Tips to solve in smart way.

Day 3 – (19-06-2025)

The trainer trained on “Cube” aptitude Session – important topic in both Quantitative Aptitude and Non-Verbal Reasoning.

Day 4 – (20-06-2025)

The trainer educated online session on “Direction” - to understand and analyse movements in directions — based on given

instructions like turn left, go right, move north, etc.

Day 5 – (21-06-2025)

The trainer educated online session on “Profit and Loss” - Profit and loss terms are used to identify whether a sale is advantageous or not. We all are somewhat familiar with the concepts of profit and loss, when a person runs a business, he or she either faces loss or earns profits.

Day 6 – (23-06-2025)

The trainer educated session on “Number System – divisibility” - Divisibility rules are some shortcuts for finding if an integer is divisible by a number without actually doing the whole division process.

Day 7 – (24-06-2025)

The trainer imparted session on “Work and Time” - Work and Time problems deal with how long it takes people (or machines) to complete a task individually or together.

Day 8 – (25-06-2025)

The trainer imparted session on “Time, Speed and Distance” - The relationship between time, speed, and distance is fundamental in understanding motion. Speed is defined as the rate at which distance is covered over time.

Day 9 – (26-06-2025)

The trainer taught session on “Seating Arrangement” - Seating Arrangement involves placing people (or items) in specific positions

based on given conditions — such as direction, order, relative position, etc.

Day 10 – (27-06-2025)

The trainer taught session on “Clock” - A clock session focuses on understanding how clocks function and how to solve related problems. This involves concepts like calculating the angle between clock hands, determining the day of the week for a specific date.

Day 11 – (28-06-2025)

The trainer taught session on “Calendar” - A calendar session focuses on understanding how calendars function and how to solve related problems. This involves concepts determining the day of the week for a specific date, and understanding leap years.

The Aptitude Training Session successfully conducted for BE students with a comprehensive understanding of essential quantitative and logical reasoning concepts. Covering a wide range of topics like Coding-Decoding, Percentage, Cube, Direction, Profit and Loss, Number System – divisibility, Work and Time, Time, Speed and Distance, Seating Arrangement, Clock and Calendar.

JAVA Training

To equip students with strong Java programming skills and prepare them for technical interviews, aptitude rounds, and coding assessments in campus placements and IT job drives.

Ms. Vaibhavi Deshpande, Trainer, Gyanteerth, Pune trained students for academic success, technical interviews, and real-world programming challenges in the software industry.

Day 1 (17-06-2025)

Ms. Vaibhavi Deshpande, Trainer, Gyanteerth, Pune started Java Training Session - Morning Session Introduction about Java Programming importance for placement and why OOP (Object Oriented Programming training?

OOP is the foundation of modern programming. Languages like Java, C++, Python, and C# are built on OOP principles. Most real-world applications (banking systems, games, enterprise software) are designed using OOP.



Ms. Vaibhavi Deshpande, Gyanteerth, Pune trainer conducted Java training on “Core Java” on 17th June 2025.

Afternoon Session Laboratory practice to execute Java code by different Software Tools.

Day 2 (18-06-2025)

The trainer taught “Basics and Features of JAVA Architecture”. Like What is programming language? and levels of programming language, History of Java, Identifiers and it's rules, Features of Java, Process of Java code execution. Afternoon

Department of Computer Engineering

Session Laboratory practice to implement Java code.

Day 3 – (19-06-2025)

The trainer trained on “JVM Architecture, Control Flow and Loops” - The JVM (Java Virtual Machine) executes Java bytecode, managing control flow and loops within the Java program. Control flow statements like if, else, and switch allow the program to make decisions, while loops (for, while, do-while) enable repeated execution of code blocks. Afternoon Session Laboratory practice to print program control flow and Loops execution in Java.

Day 4 – (20-06-2025)

The trainer educated online session on “Data types and String” - data types categorize the kind of values a variable can hold, and they are broadly divided into two main categories: primitive data types and non-primitive (or reference) data types. Strings - a string is a data type that represents a sequence of characters. It's used to store text-based information, such as words, sentences, or any combination of characters.

Strings are a fundamental data type in most programming languages and are often implemented as arrays of characters or other character representations. Afternoon Session Laboratory practice to print different types of data and String program in Java.

Day 5 – (21-06-2025)

The trainer educated online session on “Class and Object” - A class serves as a blueprint or a

template for creating objects. It defines the common properties (attributes or fields) and behaviours (methods) that objects of that class will possess. Afternoon Session Laboratory practice to declare Class and Object program in Java.

Day 6 – (23-06-2025)

The trainer educated session on “Methods” - a method is a block of code within a class that performs a specific task. Methods are fundamental for organizing code, promoting reusability, and defining the behaviour of objects. Afternoon Session Laboratory practice to declare different types of methods program in Java.

Day 7 – (24-06-2025)

The trainer imparted session on “Constructor” - a constructor is a special type of method used to initialize objects when they are created. It is invoked automatically when an instance of a class is created using the new keyword. Afternoon Session Laboratory practice to define different types of Constructor program in Java.

Day 8 – (25-06-2025)

The trainer imparted session on “Encapsulation” – Encapsulation in Java is a core principle of Object-Oriented Programming (OOP) that involves bundling data (variables) and the methods that operate on that data into a single unit, typically a class. This mechanism aims to protect the internal state of an object from direct external access and provide a controlled interface for interacting with the data. Afternoon

Session Laboratory practice to define encapsulation program in Java.

Day 9 – (26-06-2025)

The trainer taught session on “Association” - association represents a relationship between two separate classes that are connected through their objects. It signifies how objects of one class interact with or use objects of another class. This relationship is typically established by one class holding a reference to an object of another class.

Day 10 – (27-06-2025)

The trainer taught session on “Has-a relationship, Composition, Aggregation and Early binding”. Afternoon Session Laboratory practice implementation of class and object relationship program in Java.

Day 11 – (28-06-2025)

The trainer taught session on “Early and Late binding” - binding refers to the process of linking a method call to its corresponding method definition. This linking can occur at different stages of program execution, leading to two main types: Early Binding (Static Binding) and Late Binding (Dynamic Binding). Afternoon Session Laboratory practice program in early and late binding implementation in Java.

Day 12 – (30-06-2025)

The trainer taught session on “Inheritance” – Inheritance in Java is a fundamental concept of Object-Oriented Programming (OOP) that allows a class to inherit properties (fields) and behaviours (methods) from another class. This mechanism promotes code reusability,

extensibility, and the establishment of hierarchical relationships between classes. Afternoon Session Laboratory practice in different types of Inheritance program implementation in Java.

The Java training program successfully provided BE students with a strong foundation in core and advanced Java concepts. Through hands-on sessions, coding assignments, and real-time problem-solving activities, learners gained practical exposure to object-oriented programming. Strong understanding of Java syntax and OOP principles.

Ability to develop modular, reusable code.

Glimpses of Pre-Placement Training:



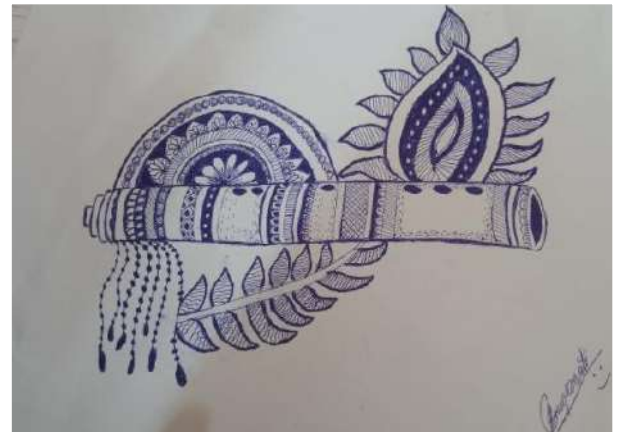
The training aims to bridge the gap between academic knowledge and industry expectations, thereby increasing students' confidence and employability in competitive job markets.

STUDENT GALLERY

Students Talent

Miss. Sreeparvati Pradeep Nambiar, TE
Computer Engineering student pen art of Krishna Flute. and Bala Gopal.

Krishna Flute



Bala Gopal.



SPPU Result
ACADEMIC YEAR 2024-25 (SEM – II)

BE – TOPPERS



**DHOBALE MANSI
DATTA**
9.70



**AWATE GAURI
BALASAHEB**
9.60



**INGALE PAYAL
TEKCHAND**
9.57



**SHINDE TANVI
SADASHIV**
9.57

TE – TOPPERS



**LAD NITESH
BALU**
9.64



**ZODAGE SUHANI
DATTATRAY**
9.64



**BANGAR PRIYANKA
SOMNATH**
9.50



**GAIKWAD
SUNAKSHI NITIN**
9.43



**KADHANE
PRATIKSHA
MADHUKAR**
9.43



**SHINGOTE TANMAY
NAVNATH**
9.43



**WADEKAR
HARERAM ZUMBER**
9.43

SE – TOPPERS



**DUMBARE KUNAL
BALASAHEB**
9.88



**DUMBRE SIDDHI
RAJESH**
9.29



**DARADE APEKSHA
NAVNATH**
9.27

**Hearty
Congratulations**

