

Dr. D. Y. PATIL PRATHISHTHAN'S

# **D. Y. PATIL COLLEGE OF ENGINEERING, AKURDI - 44**

**An Autonomous Institute**

Sector 29, Nigdi Pradhikaran, Akurdi, Pune 411044

- APPROVED BY AICTE, RECOGNIZED BY DTE
- AFFILIATED TO SAVITRIBAI PHULE PUNE UNIVERSITY
- Accredited by NAAC with 'A' Grade
- Accredited by NBA

## **INFORMATION BROCHURE**



Phone: +91-20-27653054 / 58

Fax : +91-20-27653057

E-mail : [info@dypcoeakurdi.ac.in](mailto:info@dypcoeakurdi.ac.in)

Website: [www.dypcoeakurdi.ac.in](http://www.dypcoeakurdi.ac.in)

Admission Inquiry:

+91 9373775038, +91 9699152095

+91 9607957618, +91 9158195999



**-: VISION :-**

**"Empowerment Through Knowledge"**

**-: MISSION :-**

To educate the students to transform them as Professionally Competent, Quality Conscious Engineers by providing conducive environment for teaching learning and overall personality development, culminating the Institute into an International seat of excellence.

**-: QUALITY POLICY :-**

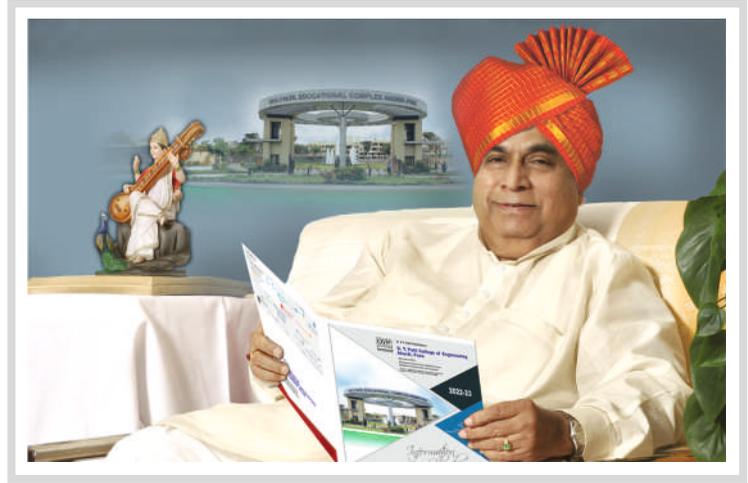
Let us work "STILL BETTER" for Excellence.



*Empowerment through Knowledge*

## Padmashree Dr. D. Y. Patil

(Ex-Governor - Tripura, Bihar & W. Bengal)  
Founder, Dr. D. Y. Patil Pratishthan



I am very proud to share that D Y Patil College of Engineering under D. Y. Patil Pratishthan is one of the most eminent Higher Educational Institution today and is renowned for standards of its Faculties, Students and Alumni. It is constantly pushing the frontiers of knowledge and ensures the futuristic approach that keeps pace with the changing trends of the Professional world. It is a matter of pride and privilege for me to see all of you doing well as Teachers and Students. Let me remind you that, academic success has always been cherished tenfold when coupled with achievements in the various other non-academic arenas. I wish and hope that all of you continue with same zest and contribute nobly as future pillars of the nation.

I wish the students studying at D. Y. Patil Institutes all the very best in their future endeavours and grand success to the faculties in their efforts to impart excellent education.



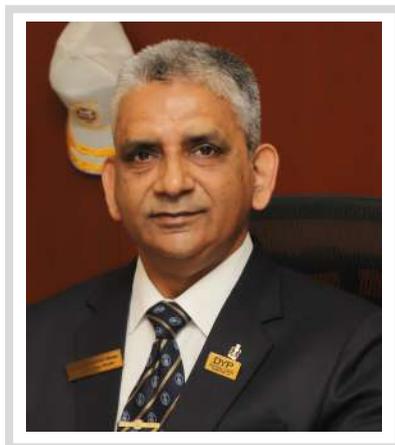
**Hon. Dr. Sanjay D. Patil**  
President, Dr D Y Patil Pratishthan



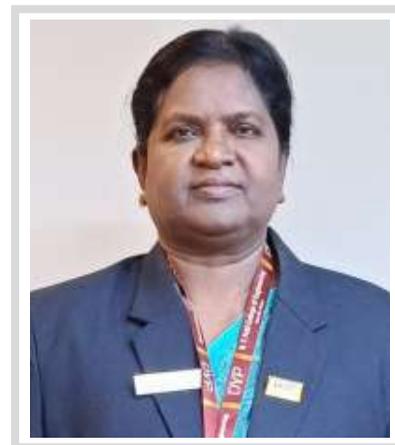
**Hon. Shri. Satej D. Patil**  
Vice President, Dr D Y Patil Pratishthan &  
Chairman, Dr D Y Patil Educational Complex



**Hon. Tejas Satej Patil**  
Trustee, Dr D Y Patil Pratishthan



**RAdm Amit Vikram (Retd.)**  
Campus Director,  
Dr D Y Patil Educational Complex



**Dr. (Mrs.) P. Malathi**  
Principal,  
D Y Patil College of Engineering

## About College...

**D Y Patil College of Engineering, Akurdi, Pune** was established in the year 1984 in the vicinity of Pimpri Chichwad Industrial Area, one of the largest Industrial Belts in Asia. The Institute is catering Engineering education for UG, PG courses & Ph. D program. The college has been accredited by NAAC with **“A” GRADE** (CGPA 3.22) and is approved by AICTE, New Delhi. It is also **accredited by NBA** for the programmes of IT, E&TC, Civil & Instrumentation & Control Engg. The college is affiliated to Savitribai Phule Pune University and has been granted Autonomous status from the Academic Year 2024-25.

## Courses Offered...

UNDER GRADUATE COURSES				
Sr. No.	Choice Code	Branch	Intake	Estd. Year
1.	627224510	Computer Engineering	180	1984
2.	627261210	Mechanical Engineering	120	1984
3.	627219110	Civil Engineering	120	1986
4.	627246610	Instrumentation and Control	60	1993
5.	627224610	Information Technology	180	1999
6.	627237210	Electronics & Telecommunication	180	2001
7.	627299510	Artificial Intelligence & Data Science	180	2020
8.	627221910	Robotics & Automation	60	2021
POST GRADUATE COURSES				
1.	627224510	Computer Engineering	13	2003
2.	627261410	Mechanical- Design Engineering	18	2005
3.	627221010	Civil - Construction & Management	18	2009
4.	627220110	Civil - Environmental Engineering	18	2012
5.	627234110	E&TC - VLSI & Embedded Systems	09	2012
6.	627294210	Robotics & Automation	15	2023
Ph.D RESEARCH CENTRE				
1.	–	Electronics and Telecommunication Engg	--	2016
2.	–	Mechanical Engineering	--	2021
3.	–	Civil Engineering	--	2024



### VISION

Empowerment through Knowledge.

### MISSION

To provide firm foundation to the aspirants of various streams of engineering.

## Department Highlights

### Highly Experienced Faculty

Well-qualified instructors dedicated to student success.

### Specialized Training Programs

Communication, aptitude, and soft skills training by external agencies.

### Fee Waivers for University Toppers

Financial support for outstanding academic performance.

### Financial Assistance for Industrial Visits

Support for students to gain real-world experience.

### Teacher-Guardian Scheme

Personalized mentorship for every student

### Scholarship Guidance Cell

Assistance in securing scholarships from various \ foundations, NGOs, & trusts.

### State-of-the-Art Laboratories

Well-equipped facilities for hands-on learning experiences.

### Diverse Curriculum

Inclusion of German language, music, art sessions, Indian knowledge System and sports activities

### Alignment with National Education Policy 2020

Curriculum designed to meet contemporary educational standards

## List of Laboratory

Engineering Physics Lab

Basic Electrical Lab

Engineering Mechanics Lab

Central Computer Lab

Engg. Chemistry Lab

Systems of Mechanical Engg.Lab

CAD CAM Lab

Basic Electronics Lab

Language Lab

Workshop

## F.Y. B-Tech Topper for Semester I of the AY 2024-25

Sr. No.	Name of Student	CGPA	Sr. No.	Name of Student	CGPA
1	Sweta Raju Anfat	9.81	7	Darshan Pralhad Chaudhari	9.81
2	Janhavi Sanjay Jaware	9.81	8	Pradnya Satish Patil	9.81
3	Paras Dattatray Navsar	9.81	9	Pavan Raju Bhandari	9.81
4	Pravin Somnath Pelmahale	9.81	10	Shubham Eknath Palmate	9.81
5	Snehal Satish Nagawade	9.81	11	Chaitanya Ganesh Dandekar	9.81
6	Kartik Nandu Raut	9.81			

## Students' Achievements



Mr. Rohan Jare, a student of F.Y. B.Tech, has secured the Second Position in Cricket at the Satej Karandak Tournament



Tejaswini Khedkar, a student of F.Y. B.Tech, has won the Gold Medal in the 47 kg weight category of Power Lifting at Nutan Engineering College, Talegaon, under SPPU

## Departmental Activities



Dr. Dattatray Tapkir leading a student development and welfare activity on the theme: 'From Values to Vision: Constructing a Strong Nation Through Universal Ethics.'



"Study Visit to Pratapgad Fort as part of the Indian Knowledge System subject."



Faculty Development Program on The Role of Spirituality in transforming Education & Research.



Guest Lecture on : Essence of Succes through Ayurveda, Yoga and Beyond by Claudine Pinet (Paris, France)

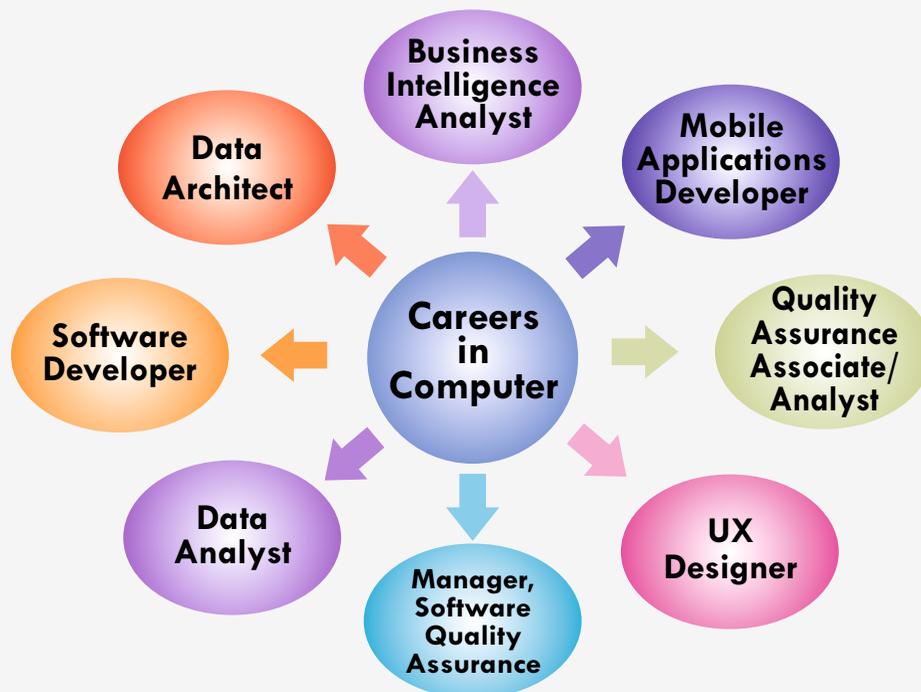
### VISION

Garnering Academic Excellence through Competency Building

### MISSION

- M1- To inculcate academic excellence in the students by providing conducive and sustainable Environment for lifelong learning.
- M2- To transform the students into quality conscious computing professionals capable to build state of the art software and systems in various domains.
- M3- To implant resilience of knowledge enhancement, proficiency and teamwork in the students to make them globally competent.
- M4- To empower and upskill the students preserving Indianness for betterment of humanity.

## Career Scope



## About Department

- The department has laboratories that are fully equipped with latest configuration, licensed software and Internet facility.
- Department has experienced and dynamic faculty members.
- The Department is continuously striving for excellence in Engineering Education and Research with focus for development, growth and entrepreneurship of the students. It gives exposure to its students, to the regular Engineering curriculum and also to the aspirations of today's corporate world, by inculcating a professional attitude in them. The Department has highly qualified faculty members.
- The department is actively involved in developing the skills required for sustaining and maintaining the employability of students in the corporate world.

## Strengths of the Department

Sr. No.	Particulars	Details
1.	Faculty Qualification	Ph D: 07, PhD Pursuing: 06
2.	Total Publications	37
3.	Copyrights	Filed: 17 , Published: 7
4.	Patents	Published: 17, Granted : 06
5.	MOUs with Industries	20
6.	Smart India Hackathon (SIH)	Won the SIH and received 1 Lakhs prize
7.	Funding Received	1. Grant of Rs 1 Lakh by AICTE under SPICES 2. Grant of 3 Lakh rupees by AICTE-ISTE Refresher Program on Contemporary Artificial Intelligence

## Department Achievements

- **Dr. Dipalee Divakar Rane** has completed PhD from School of Computer Science and Engineering , VIT ,Chennai on topic **Secure Data Transmission For Internet of Things Healthcare Systems Using Improved Authentication Techniques**
- **Dr. Vaishali Kolhe** has completed PhD from school of Department of Computer Science and Engineering, VelTech University, Chennai on topic **Optimization-Based Deep Learning Approaches for Efficient Grape Leaf Disease Detection Techniques.**



Industrial Tour organized for TE students to ISRO Hyderabad, Telangana



Industrial Visit were organized to Bitwise company Pune for SE students

## Students' Achievements

- Ganesh Wagh from Vihang Kalamandal second year student has secured 1st Prize for Instrumental in YIN Kala Mahotsav by Sakal held in PCCOE on 6th October, 2024
- Pratik Malwade secured 3rd rank in MatPO Programming IDOL 2024 and won prize as Samsung
- Yash Mahaskar TE student and Team NeuralX secured 1st place in the Fintech domain at the Indovate AI Model Hackathon
- Rutuja Dube received (TE Computer Engg.) NIEM event manager award
- Sanchita Hangaloo (NPTEL Toppers - July to Dec 2024) received email from NPTEL, about their selection of Internship in IITs with stipend upto Rs. 15000/-

## Students' Achievements



**Future Forge Hackathon** conducted by PCCOE, MCA Akurdi and won a cash prize of Rs. 5000/-



**Nikhil Singh**, TE Computer student, participated in **Zonal Debate Competition**, organized by YIN Kala Mahaotsav, held at PCET and Secured 3rd Place among 60+ colleges



**Sanket Bandopant Natekar** TE (Computer Engg) Acquire **1st place in Codearena -Coding Competition** organized by PCCOER



**Rajlaxmi Awatade**, Dept of Computer Engg. Secured AIR 173 in GATE CSE 2025



**Kunal Manjare** and **Atharva Sawai** second year students won the first prize in Event Heutagogy Problem Statement For Students In Association with IEL and Bootcamp Skills Pvt. Ltd Pune



**Siddhant Pitalwar** won the **chess championship** held by SPPU Zonal level Chess Competition

## VISION

Integration of quality learning experience with technological advancements in the field of Electronics & Telecommunication to achieve global competency with human values.

## MISSION

M1-Gateway of Knowledge: To create a gateway of knowledge by engaging students in cutting edge technologies, electronics, communication and intelligent systems.

M2-Impactful quality education: To provide a conducive environment that ensures academic excellence with professional and managerial skills.

M3-Global competency: To promote multidisciplinary activities for skills development required to solve complex technological problems for societal benefit.

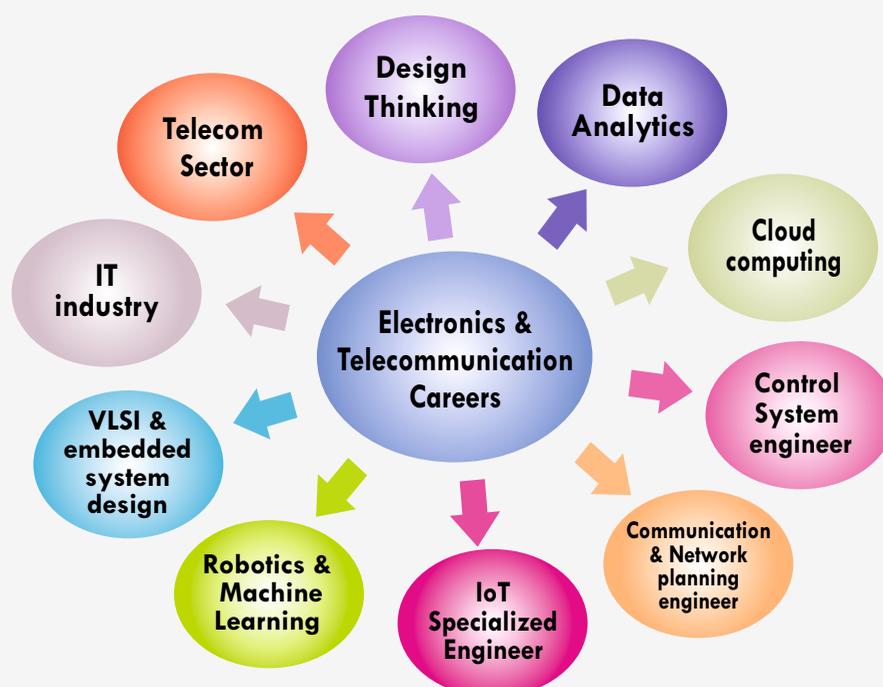
M4-Start-up and Entrepreneurship: To foster the spirit of innovation and creativity by encouraging entrepreneurship and start-ups.

M5-Higher studies and research: To motivate the students for higher studies and instill a research outlook corresponding to modern technology.

## About the Department

Electronics and Telecommunication is a branch of Engineering which has remarkably influenced the life of the mankind. This course aims at imparting the requisite fundamentals of Electronics in the lower semesters followed by the latest trends and advances in the higher semesters. As a part of Curriculum students are deployed into VLSI, Embedded Systems and IoT based project learnings. mini-project and major Project activities which provides them with a deep understanding and implementation of principles of Electronics and Telecommunication. They are also trained on several Softwares like Multisim, Proteus, Microwind. HEP 1 and HEP 2 are Semiconductor software by siemens company, GCP for cloud computing. In addition to software tools programming languages such as C, C++, JAVA, MATLAB, Advanced JAVA, Python and hardware descriptive languages such as VHDL which enables them to be competent for the core and Software Industries. The department is Accredited by the National Board of Accreditation (NBA) of All India Council for Technical Education (AICTE).

## Career Scope



## Strengths of the Department

Sr. No.	Particulars	Details
1.	Faculty Qualification	Ph D: 06, PhD Pursuing: 11
2.	Total Publications	126
3.	Copyrights - Staff, Students	19 published, 04 students
4.	Patents - Staff, Students	27 Filed, 10 by students
5.	MOU's	35+ industries
6.	Centre of excellence	1. COE in Internet of Things 2. COE in Satellite Communication
7.	Funded projects	1. Received a sanction of Rs.13,18,000/- for MODROB Proposal under AICTE – MODROB Scheme. 2. Submitted a research project to SERB of Rs.10,80,000

## Faculty Achievements

1. **Dr. P Malathi** was awarded as a “**Best Engineering College Principal Award**” by ISTE 54th Convention held at LAMRIN tech Skill university, Punjab on 14th Feb 2025. Dr P Malathi was awarded as a winner of IEEE event (Quiz topper) on July 3rd 2024.
2. **Dr. P Malathi and Dr Rutuja Deshmukh** published a textbook on “Machine Learning for Cyber Security”
6. **Dr. Sarika Patil** received a patent grant on “Automatic Pipe cutting Machine” with design no: 397648-001.
7. **Mrs Sayali Mane** received a patent grant for “Vehicle wear out engraved studs indicator” with patent no:522180.



**Dr. Mrs. Manisha Rajput**  
Department of Electronics & Telecommunication

**Successfully Completed her PhD from Savitribai Phule Pune University**

**Thesis titled:** Spectrum Sharing framework in Full Duplex Mode with minimum Interference in 5G Cellular Network



Dr. Mrs. P. Malathi received “Best Engineering College Principal Award” by ISTE 54th Convention held at LAMRIN tech Skill university, Punjab on 14th Feb 2025

## Student's Achievements

1. Yash Shinde Cleared UPSC CDS for Indian Navy and AFCAT for Indian Air Force exam
2. Sarthak Ambhore and Omkar Mote have cleared GATE 2025 Exam.
3. Students from E&TC Won the GENERAL CHAMPIONSHIP at the Annual Sports event.
4. Sanika Rajesh Ambildhuke secured- 2nd (silver medal) at Inter-Collegiate Boxing (organized by Savitribai Phule Pune University) Competition 2024-25 Weight category - 48-50 Kg
5. Sarthak Ambhore selected as Precision Picker - top 5 in Ultimate Robotics Championship (URC).
6. Aman Sharma and Shantanu Nirphale won the Table Tennis Tournament at SPPU Zonal Sports held in the Inter Collegiate Competition



Mr. Jaysing Ingale has registered his own startup-Agri-RANA Automations, driving innovation in Indian agriculture



Ms. Muskan Gandhi selected at New York University Tandon School of Engineering for Masters program with a scholarship of 14,000 USD



Mr. Keshav Kumar received 3 Gold Medals for securing highest marks in the University at the BE (E&TC) with University Rank 1



Mr. Omkar Madhukar Pawar a 2014 pass out student cleared UPSC Civil Services Exam and has been selected as an IAS officer.



Ms. Dhyaneshwari Taur has received IEEE Women in Engineering Scholarship

## Eminent Alumni



**Mr. Pradeep Agrawal**  
(1991 Passout)  
Director,  
Argus Polymers Pvt Ltd



**Mr. Dhruv Batra**  
(1992 Passout)  
Former Scientist  
Bangalore Axiome Research Lab



**Mr. Prashant Gandhi**  
(1993 Passout)  
Chief Product Officer  
at Big Switch Networks, USA



**Mr. Parag Alekar**  
1994 Passout  
CEO  
Nicolas Correa S. A



**Mr. Pravin Mutha**  
1995 Passout  
President,  
Panchshil Realty



**Mr. Sagar Mahajan**  
(2016 Passout)  
Executive Engineer  
at ONGC (PSU)

### VISION

Strengthening Society with Skilled and Competent Mechanical Engineers

### MISSION

M1 – To impart core competencies in Mechanical Engineering through effective and ICT based teaching-learning and evaluation processes.

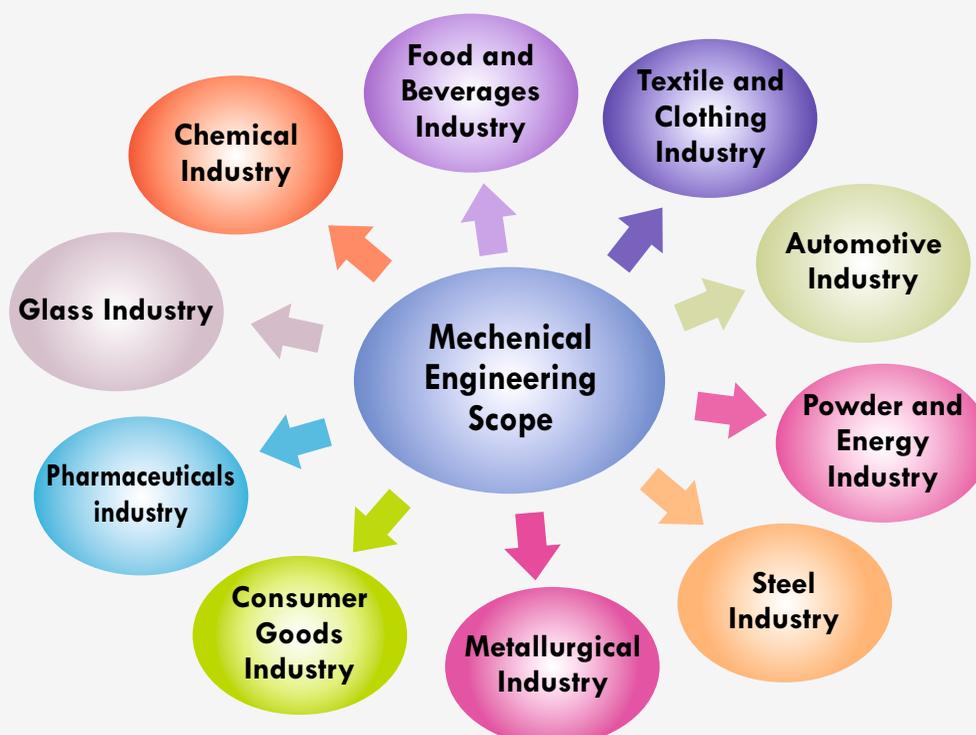
M2 – To develop students to design solutions with interdisciplinary and effective technical communication for societal challenges in the field of Machine Design, Thermal Power Engineering, Manufacturing and aligned domains.

M3- To inculcate Sustainable Development Goals (SDGs) to promote Environmental conscious Mechanical Engineers

## About Department

- Mechanical Engineering, one of the oldest, most versatile, and evergreen branches of Engineering.
- This department has well-qualified and dedicated faculty members with well-developed laboratories. We provide quality engineering education through sound theoretical knowledge, hands-on laboratory experience, computational skills, and exposure to recent technologies through pre planned industrial visits.
- The department provides opportunities for students to participate in various technical events/competitions like SAE BAJA National & International, National Level Auto Expo, Pune, and to work as a member of a team on multi-disciplinary projects.
- Dual operating mask vending machine with used mask destroying unit by crushing method<sup>1</sup> was developed and patented by the mechanical students team.

## Career Scope



## Strengths of the Department

Sr. No.	Particulars	Details
1.	Faculty Qualification	PhD: 09, PhD Pursuing: 08
2.	Total Publications	188
3.	Published Book & Book chapter	31
4.	Patents	5 Granted, 58 Published & 24 Copyright
5.	Research Funding Received	Rs. 14,57,670/-
6.	MOUs with Industries	23+
7.	Products Developed	08
8.	Research Facilities	FFT Analyzer, 3D - Printer , Multi cylinder SI Engine , Thermax Boiler Steam Power Plant Setup, AVL 5 Gas Analyzer, Hydrogen-CNG Engine Setup, E - Vehicle

## Mechanical Engineering Student Association (MESA) Activity:

MESA is a Mechanical Engineering Student Association. MESA brings about the technical development of students by organizing different technical and non-technical activities and also by improving the organizing abilities of students by engendering good communication skills, managerial abilities, presentation skills, and teamwork



SE Induction Program



MESA Technical Championship



Mock Placement Drive



Model Building in Quiz Competition

## Students' Achievements



Team Predator Racing , Baja team from D. Y. Patil College of Engineering, Akurdi, participated in the e-Baja SAE India competition 2025 held at BVRIT, Hyderabad, from 20-23 February 2025. Team Predator Racing secured all-India rank 1 with 10 different awards: 1. First Prize in Durability, CAE, Sustainability, Cost, Suspension and Traction, Acceleration, and overall physical dynamics. 2) Second Prize in Virtual Dynamics, overall statistic. 3) Third Prize in maneuverability



Technology Innovation Forum for Agricultural Nurturing (TIFAN SAE) Club



Mr. Aryan Amol Surve (S.E. Mechanical) and his teammate from Maha Vaayu Innovations, a startup incubated at DYPEC Dnyansagar Incubation Hub, have secured the runner-up position in the INNOV-ERA National Level Hackathon organized by KK Wagh Institute of Engineering Education & Research, Nashik



Mr. Anurag Bhosale won First Dada Maharaj Karandak for Drama Competition "Moon without Sky"



Mr. Kunal Patil achieved a certificate for securing 1st position in "CAD Xplore" held by ZION between 27 - 29 March 2025 at Dr. D.Y. Patil Institute of Technology, Pimpri, Pune.

## Eminent Alumni



**Mr. Suraj Thorat**  
(2015 Passout)  
(IRS) (AIR 868, CSE 2016)  
**Deputy Commissioner** at  
Ministry of Finance



**Mr. Bhushan Khodpe**  
(1999 Passout)  
**Sales Account Executive -**  
Nordics - Geometric Europe  
GmbH Filial Sweden



**Mr. Vishal Sakore**  
(2007 Passout)  
(IRS) **Deputy Commissioner**  
of Income Tax in  
Investigation Directorate



**Mr. Nachiket Phadake**  
(2002 Passout)  
**Director,**  
Eleno Energy (Founder)

## DEPARTMENT OF CIVIL ENGINEERING

### VISION

Empowerment for Civil Engineering Leadership.

### MISSION

M1- To Prepare Students for Professionally Competent and Quality Conscious Civil Engineers with Civic Sense.

M2- To Formulate an effective teaching and learning process for global acceptance.

M3- To Create intellectually stimulating environment for Research, Innovation and Entrepreneurship.

## Career Scope



## Strengths of the department

Sr. No.	Particulars	Details
1.	Faculty Qualification	PhD: 09 & Pursuing: 13
2.	Paper Publications	International: 153 & National: 40
3.	Patent/ Copyright	Patent: 30, Copyright: 04, Grant-01
4.	Center of Excellence	01
5.	Research Grant	Rs.12.85 Lakhs (ISRO), Rs.4.95Lakh (PCERF)
6.	MOU - Industrial Association	43
7.	Book Published	07
8.	Book Chapter Published	08
9.	Recognised PhD Centre by SPPU.	01
10.	Ph.D Research Guides	03

## About the Department

The Department of Civil Engineering was established in 1986. The 4 years UG B.Tech Civil program under the department has been accredited by NBA and NAAC with "A" Grade. Laboratories are fully equipped with the latest equipment, licensed software, and all necessary teaching aids. The department has been recognized as a PhD research Centre by SPPU. The department has 9 PhD qualified faculty members and 13 faculty members pursuing their PhDs. Undergraduate results are consistently above 85%, with some students ranking on the University merit list. The department has an active student chapter of the American Concrete Institute (ACI), Indian Plumbing Association (IPA), Indian Geotechnical Society (IGS) and Ferrocement Society. A Competitive Exam Cell has been established to prepare students for State and National Competitive Examinations. Department alumni hold senior positions in various Government organizations, including PWD, Irrigation Department, Pollution Control Board, and reputed private sectors. Over 50 MoUs have been established with Nationally and Internationally acclaimed industries.



Industry visit for SE, TE and BE students 2025 batch



IKS IKS activity at 12 Motechi Vihar, Limb, Satara



Internship opportunity for the students



Value added course on Smart and Advanced Civil Engineering Applications based on skills and recent techniques

## Student Achievements



Mr Aditya Dangat, Mr Mayur Erande and Mr Rudra Phadtare received prestigious scholarship from INDIA CHAPTER OF AMERICAN CONCRETE INSTITUTE (IC-ACI) 2023-24



Mr Rushikesh Bhosale, AIR 13 (Lieutenant Officer Indian Army)



Mr Sujal Sakpal and Ms Apurva Darade, (2025 Batch) International Placement, Placed in Polaris International (CTC-10 LPA)



Sanket Thite, Priyanka Ekbote, Rahul Jadhao & Shruti Kothwade, Received second Prize at National Level of ISTE Ideathon & Project competition 2025 held at Lamrin Tech Skill University.



Mr. Kunal Pawar, AIR 16, Joining at Officers training academy for Training of SSC TECH 63 Course as Officer



Mr. Rahul Jadhao,  
Placed at Lodha  
Group



Ms. Manasi Karanka  
Town Planning Assistant  
(Government sector)



Ms. Malvika Ghorpade  
Civil Engineering  
Assistant - Water  
Resource Dept  
(Government sector)



Ms. Monica Tajanpure,  
Placed at Worley

## Faculty Achievements



**Dr. Sudhanshu Pathak** awarded with PhD from Department of Civil Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat



**Dr. Smita Pataskar** has successfully Defended Ph.D. Viva-voce Examination, from Savitribai Phule, Pune University



**Dr. Prital Kalsur** awarded with PhD from Department of Civil Engineering, Sandeep University, Nasik.

## Eminent Alumni



**Mrs. Shruti Deshpande**  
(1997 Passout)  
Executive Engineer  
PWD, Maharashtra



**Mr. Rakesh Singh**  
(1993 Passout)  
Chief Engineer at Hydro Electric  
Project- Nepal



**Mr. Atendra B. Shreshtha**  
(1994 Passout)  
System Designer, Philips  
Healthcare, Pune



**Mr. Vipin Kalia**  
(1995 Passout)  
State Head for the states  
Maharashtra, Goa  
Dalmia Cement, Bharat Ltd.



**Mr. Purav Shah**  
(2013 Passout)  
Assistant Project Manager  
Permasteelisa, North America



**Mr. Sarvesh Jagtap**  
(2018 Passout)  
Assistant Construction Manager  
Intern  
Vital Development Group. New

## VISION

Developing globally competent IT professionals for sustainable growth of humanity.

## MISSION

M1: To impart high-quality education in Information Technology, equipping students with the technical knowledge, problem-solving abilities, and professional skills required to excel as competent IT engineers and technologists

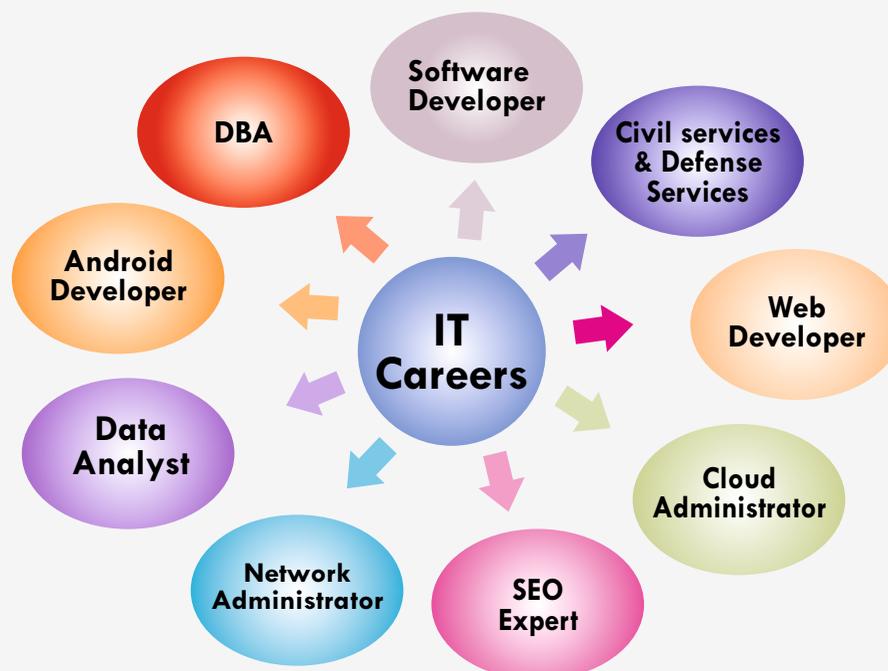
M2: To create a dynamic and inclusive learning environment that nurtures technical expertise, critical thinking, teamwork, and holistic personality development, empowering students to excel in their professional and personal endeavours

M3: To foster a culture of academic and research excellence in IT, enabling the department to achieve national and international recognition as a center of innovation, entrepreneurship, and technological advancement

## About Department

- Department is thrice **accredited by NBA** in the year 2005, 2013 and 2023
- **Highest Package** offered for student placements in the department is **42.8 LPA**
- Department has **state of art infrastructure** and laboratories as per AICTE norms
- Department has **three Industry Supported Laboratories**
- Department has **software development cell in association with Industry**
- Department faculty members has **Quality research publications in high repute journals**
- Department faculty and students has **developed several in-house projects for the Institute and Campus**
- **ITESA (Information Technology Engineering Student Association)** fosters innovation and skill development through engaging workshops, competitions, and interactive events like **TechFest and AI Ethics Sessions, preparing students for industry excellence**

## Career Scope



## Strengths of the department

Sr. No.	Particulars	Details
1.	Faculty Qualification	PhD: 04, PhD Pursuing: 09
2.	Total Publications	181
3.	Patent	Published: 46 Granted : 10
4.	Copyrights	10
5.	Book Published	25
6.	MOUs with Industries	31
7.	SPPU PhD Guide	02



Celebrating Success: Students Honored with the Smart India Hackathon Award!



Commemorating excellence: Souvenir unveiled at the International Conference on "Cybertech & Smart Systems"



Knowledge Upgraded! Faculty Members Conclude FDP by NTT Data with Excellence



ITESA Tech Fest Event 2024-25



Second Year Induction Program



Industrial visit at Compucom, Jaipur, Rajasthan

## Students' Achievements



FutureTech: Innovation Challenge Winners with Experts & Organizing Team



**Ms. Aashvi Kothari**  
Got highest package of **42.8 LPA**



**Mr. Pranav Yeole**  
Got package of **41.3 LPA**



Coding with purpose,  
leading with passion  
— Prajwal Sanap  
takes on the role of  
Google Developers  
Group Campus Lead!



**Mr. Nikhil Patil**  
Recipient of the prestigious  
Nurturing Brilliance Cummins  
Scholarship, was awarded full  
college tuition from 2nd to 4th year  
along with a laptop, recognizing his  
academic excellence and potential



**Mr. Preet Jain**  
Second-year student, selected  
for a prestigious internship at IIT  
through the NPTEL Course Topper  
program, receiving a stipend and  
valuable research experience  
under esteemed faculty

## Eminent Alumni



**Mr. Vaibhav Gaikwad**  
(2021 Passout)

**CEO & FOUNDER DIRECTOR**  
KNOCK SECURITY SOLUTIONS RECEIVED  
GLOBAL AWARDS 2021



**Mr. Adarsh Bevore**  
(2020 Passout)

LIEUTENANT IN INDIAN ARMY



**Mr. Jojo John Moolayil**  
(2012 Passout)

Data Scientist at Flutura Decision  
Science & Analytics



**Mr. Rahil R. Shaikh**  
(2014 Passout)

**CEO and Director**, Tech Mainstay  
Software Pvt. Ltd.



**Sagar G Anandpara**  
(2008 passout)

Alumni of 2008 batch, Associate  
Consultant at Infosys, LTD.,  
Melbourne, Australia.



**Mr. Shreyas Patil**  
(2021 passout)

Recognized as Youngest Android  
GDE (Google Developer Expert)  
by Google India

## INSTRUMENTATION AND CONTROL ENGINEERING DEPARTMENT

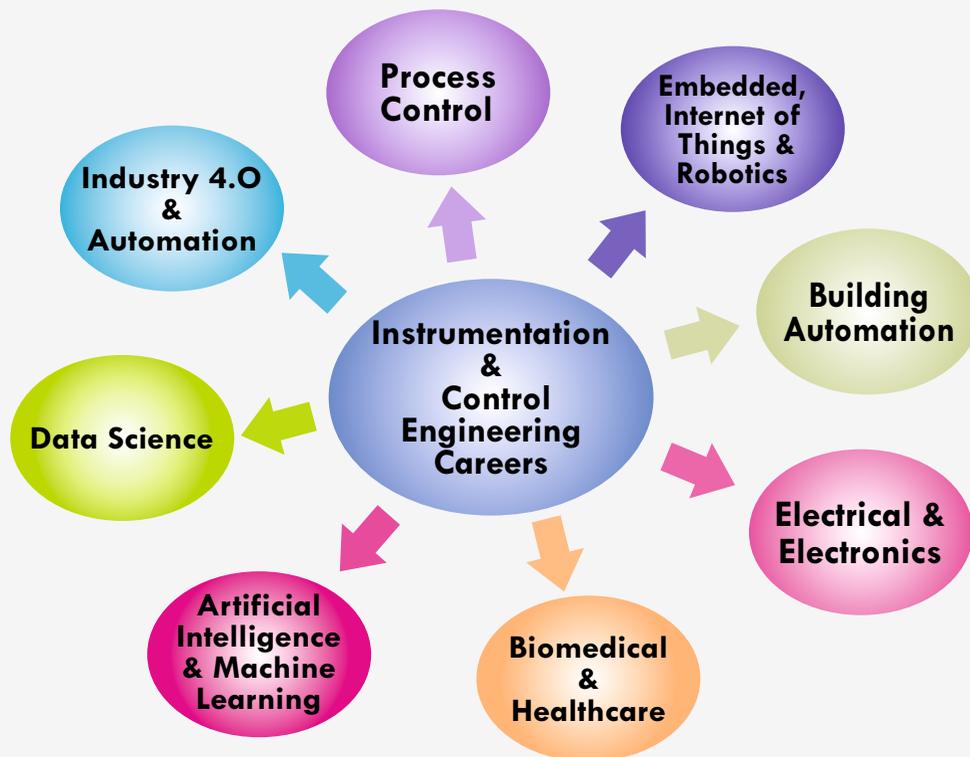
### VISION

Strive for excellence in the multi disciplinary field of Instrumentation and Control Engineering.

### MISSION

- M1- To imbibe competent professional skills in students to meet ongoing and succeeding demands of industry, academia and society in multidisciplinary field of Instrumentation and Control engineering
- M2- To accentuate collaborations with industry and academic institutes to inculcate real time learning in automation in line with future needs of globalization
- M3- To induce the thirst of entrepreneurship and enterprise inclination pertaining to automation requirement in industry and society
- M4- To engender the spirit of research and higher studies amongst students to align with national and international developments
- M5- To initiate contemplative thinking within students regarding their prospective forthcoming career in upcoming technologies like IoT, AI and Data Science

## Career Scope



## SPPU Rankers



**BENDALE KHUSHAL N.**  
CGPA- 9.5  
University Rank - First



**AMAN BHARDWAJ**  
CGPA- 9.31  
University Rank - Forth



**VARSHA M. GUJAR**  
CGPA- 9.17  
University Rank - Seventh

## Strengths of the Department

Sr. No.	Particulars	Details
1.	Faculty Qualification	PhD: 02, PhD Pursuing: 03
2.	Total Publications	90
3.	Patent/ Copyright	Patent: 06, Copyright:10
4.	FDP & Workshops Organized	12 & 15
6.	Book Published	02
7.	Center Of Excellence under MOU with Emerson	Contribution of Emerson: Rs. 22.5 Lakhs
8.	Excellent Academic Result	above 95%
9.	Highest Pay Package	33 Lakhs per annum
10.	Alumni in Public Sector	1. Dhiraj Nikam Selected in Ministry of Defense 2. Yogesh Sarpe (2021): Selected in Indian Oil Corporation Ltd through GATE

## Department Activities



Avishkar Poster competition evaluated by external members—Mr. Kanse & Mrs. Shilpa Kanase, Director, BEST Automation Pvt. Ltd



Tech Talk on “Role of Sensors and Data Science in Industry” by Mr. Manikandan, Senior Design Engineer, Roll Royce India Ltd-Pune.



Industrial visit for SE, TE and BE students to Mapro food products Ltd, Wai, Mahabaleshwar



IKS visit for SE, TE and BE students to Mahabaleshwar Temple Wai, Mahabaleshwar.



Workshop on Industrial Automation using Delta V Distributed Control System with hands on session for DCS, Hardware integration, and SCADA mimic design. by Dr. Shashikant Kale



One week Short term inter department Training program on PLC and HMI in Industrial Automation

### Center of Excellence in DCS Industrial Automation

- Department of Instrumentation and Control Engineering, D. Y. Patil College of Engineering Akurdi Pune has established a Center of Excellence in Collaboration with Emerson Automation Solutions Pune
- Objectives of Center of Excellence: Hands on Training to Students with Latest Tehnology, Faculty Development Programs, Collaborative BE Projects, Bridging the gap between Indutry & Academics

## Students' Achievements

- Pratiksha Wadkar (TE) & Shravani Khandare (TE) have completed NPTEL online certification on "Python for Data Science" organized by IIT Madras. Pratiksha received Elite certificate.
- Nandini Dhangar (SE) has successfully completed 100 days of code activity.
- Rutuja Shekade (TE) and Pranjali Kukar (TE) have participated in PLC programming competition organized by robotics club AISSMS IOIT.
- Rishi Chikane (TE) has successfully completed courses offered by Microchip University.
- Siddhi Sawant (TE) successfully completed the AI fundamentals course conducted by TATA NEU Skills.
- Rutuja Shekade (TE) Pranjali Kukar (TE) have completed online course on Arduino vs Raspberry Pi, conducted by Great Learning.
- Chandrashekhar Kolhe from SE secured second prize in Intercollegiate Patriotic Song singing held by ATSS College of Business studies, Chinchwad.

## Eminent Alumni



**Vandana Mohite**  
(2000 Passout)  
Income Tax commissioner in Haryana



**Mr. Shivaji Nagnath Tompe**  
(2014 Batch)  
Maharashtra Forest Department,  
Range Forest Officer (Class II  
Gazetted)



**Natu Ambarish**  
(2002 Passout)  
IPR Consultant to Australian Govt.  
& Founder - co-editor for JPEG  
picture format standards



**Kaustubh Githapathi**  
(2002 Passout)  
Director,  
Kimaya Automation, Pvt. Ltd.  
Pune



**Tushar Jadhav**  
(2006 Passout)  
Head, Global Center Of  
Excellence, Johnson Controls,  
Pune



**Shashank Ketkar**  
(2008 Passout)  
Renowned personality in Marathi  
Film industry

# ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

## VISION

- Developing highly skilled and competent IT professional for sustainable growth in the field of Artificial Intelligence and Data science

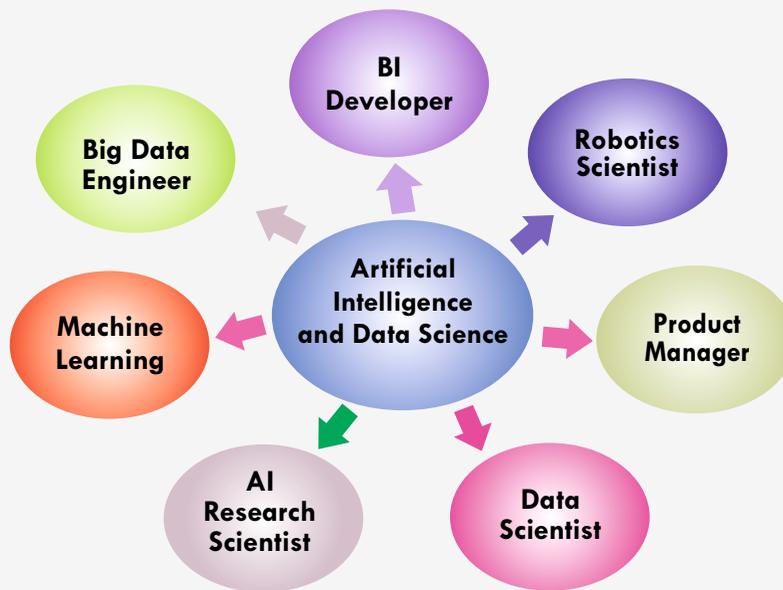
## MISSION

M1-To empower students for developing intelligent systems and innovative products for societal problems.

M2-To build strong foundation in Data computation, Intelligent Systems that enables self-development entrepreneurship and Intellectual property.

M3-To develop competent and skilled IT professional by imparting global skills and technologies for serving society.

## Career Scope



## Strengths of the department

- The Department of Artificial Intelligence and Data Science (AI & DS) provides quality technical education to students, which will lead them to sustain peaks in the field of technology.
- Department laboratories are equipped with high configuration machines and latest software required for teaching-learning process and research.
- The Department has highly qualified faculty members.
- Strong Industry Collaborations, Technical Workshops, Events, Training through Industry experts.
- Teacher Guardian system for student monitoring and personalized counseling for overall development.
- Strong Support for Innovation and product development for benefit of student's career.
- Exposure for project based learning, Support and Encouragement for Industrial Internships.
- All BE Project groups have been assigned Industry Expert for monitoring project work.

## Department Activities

- Data Visualization Hackathon & Poster Making Competition
- C4GT Connect-Open Source Journey
- Alumni Meet 2025
- FDP on Leveraging AI in Teaching & Learning
- General Championship
- Cultural Championship
- Sambhav 2.0 Tech Fest
- "Survive the AI," "Oracle Blocks Contest."
- The department has organized an offline ATAL FDP on "Future Tech: AI Applications and Trends for Educators," approved by AICTE.
- Department has signed MoU with Data Tech Labs Inc for up skilling the students in the field of AI.
- The department organized a workshop on "Fundamentals of Deep Learning with NVIDIA and DSA BootCamp."
- Department Faculties and students have developed several Inhouse project and also participated in research and industry internships
- Department has organized FDP on 'Leveraging AI Tools in Teaching and Learning' and Holistic Development Through NEP 2020.
- The department organized a Faculty Development Programme on Cloud Computing and a Student Development Programme on the Fundamentals of ML and DS under Data Tech Labs.
- The department organized an industrial visit to "C-DAC, Pashan" for third-year students.
- Department of Artificial Intelligence and Data Science Engineering Organized Expert talk on "Data Science" under Secretary S4DS club.



ATAL FDP



FDP on Leveraging AI in Teaching & Learning Competition



Data Visualization Hackathon & Poster Making

## Students' Achievements

- Mr. Soham Nimbalkar got prize among 60+ teams for our accident detection and Alarm system project. Winner of DATATHON 2024 competition in TY/Btech category under Equilibrium 2024.
- Mrs. Tejas Elandassery has Awarded for outstanding performance, attendance, successfully completing & submitting a solution in NEXTGEN GPT AI HACKATHON.
- Ms. Vaishnavi Kavade Achieved II Rank in SPPU Inter-Collegiate Fencing-Epee Tournament.
- The Boys' Chess Team secured 1st place among 66 teams in the SPPU Inter-College Chess Tournament! Mrs. Tanishq Gupta from SE C division is one of the team members.
- Mr. Anubhav Sharma from TE A Div, has Successfully Completing first round of Dhairya Intercol- lege debate competition held on 16th November 2024.
- Mr. Thejas Raja Elandassery TE A Div, has invited to Delhi for the DPG Dialogues organized by C4GT, he showcased his project from the DM program. The project focused on integrating offline face recognition into the HWC app".



**Mr. Aman Kathale** has successfully secured 3rd place & got selected in SPPU 10m Air Pistol shooting team"



Chess Team



NPTEL course

### VISION

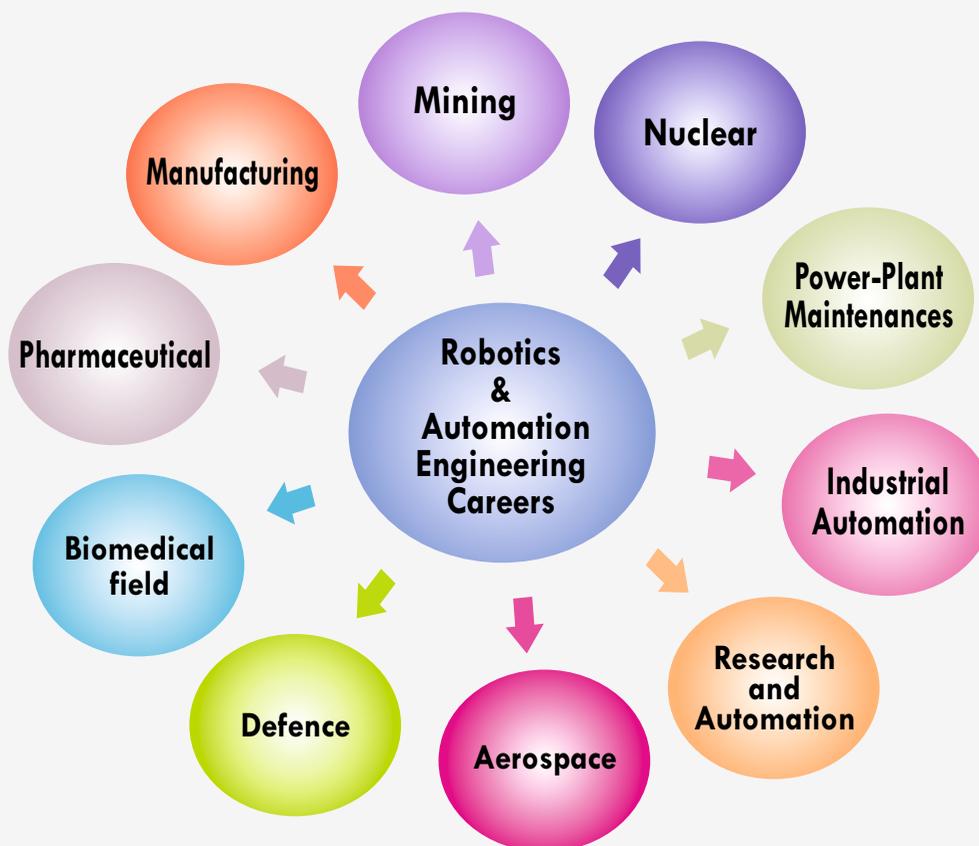
To develop and create technology professionals, entrepreneurs and researchers with global competence in the field of Robotics and Automation imbued with societal values

### MISSION

M1- To create a milieu that fosters holistic and interdisciplinary learning and nurtures explorative erudition in the field of R & A to develop successful professionals.

M2- Establish a symbiotic association between the Industry- research organizations and Governmental agencies to promote collaborative research projects.

### Career Scope



### Strengths of the department

- Robotics and Automation Engineering uses control systems and information technologies to reduce the human work efforts in the production of goods and services. In the scope of industrialization, automation is a step beyond mechanization.
- This Course will provide a comprehensive educational environment and enable students to gain expertise in next generation Robotics and Automation systems.
- Robotics and Automation Department is having a strong industry-connect with more than 40 Industries to provide internships, projects and placements to our students.

## Department Achievements

- Five Faculty Members have completed PhD and Two Faculty Members are pursuing their Ph.D.
- Dr. Nitin Kamble and Dr. Sandeep S Sarnobat published a Book Chapter on “IoT Cloud Architecture for 3D Printers: Assessing the Impact of Printing Parameters on Energy Consumption”
- Mr. Pradnesh Padave filed a patent on “Advanced Encryption algorithm based on Elliptic Curve Cryptography”
- Mr. Pradnesh Padave published a patent on “Internet Support System Based Self Lubricating Grinding Wheel Experimental Set-Up”
- Industry sponsored lab with Jendarmark India Pvt. Ltd. is established in the department
- Department has established Centre of Excellence with “IndiaFIRST Robotics”

## Memorandum of Understanding with Industries



## Glimpses of Centre of Excellence



- 1) MoU with Matrix Robotics Pvt.Ltd
- 2) Establishment of Center of Excellence
- 3) MoU with CadMech Engineers Pvt.Ltd
- 4) MoU with Maharajashri Industrial Solutions

## Student's Achievements



Mr. Prathmesh Udanshiv, Mr. Vishwjeet Hadake, Mr. Soham Bansode & Mr. Aditya Bisht Secured 2nd Rank in West Zonal Round in PJMT NGECE



Team "NO-BOT" Secured 2nd Rank in "YANTRAUTSAV" at 'ROBORASTRA-2025' hosted at PCCOER



Team NO-BOT Secured 2nd Rank at the National-Level Project Competition – UTKARSH 2K25



Mr. Shryas Vikhe & Team secured 1st place in the Hardware Domain and 4th place overall in the 24-hour Hackathon at Army Institute of Technology, Pune

## STUDENT'S EXTRA CURRICULAR ACTIVITIES

### 4) College Magazine



The college magazine club, Abhivyakti, serves as a dynamic platform for students to express their creativity, intellect, and artistic vision. Dedicated to fostering a culture of literature, art, and research, the club curates and publishes the annual college magazine, Black and White Realities, which encapsulates the essence of student thought, innovation, and expression.

### 3) Cultural Events

Under the effective platform of cultural events, thoughts and ideas are exchanged and a festival of merriment is put together. It showcases the individual's talent & brings up leadership qualities of students. Games under the theme of Circle of Life, Open Mic & Open Floor, Traditional Day, Mr. & Ms. DYPCOE, DJ Evening, all these held under the Cultural Day leading up to it were no different. All students, faculty and staff members participated and enjoyed the event to the fullest.



The highlight of the evening was the performance by Euphony, an experimental Hindi rock band from Mumbai, renowned as the 1st runner-up of Dil Hai Hindustani and a TOP 11 finalist in India's Got Talent Season 9.



DJ Night at annual gathering



Cultural Evening- Fahrenheit 4.0

## STUDENT'S EXTRA CURRICULAR ACTIVITIES

### 1. Technical Event

Sambhav 2.0, the flagship annual technical festival of Dr. D. Y. Patil College of Engineering, Akurdi, was successfully conducted on February 10-11, 2025. The event aimed to bring together students, faculty, and industry professionals to foster an environment of learning, competition, and technological innovation. With over 6,000+ attendees across two days, the festival featured competitive technical events, knowledge-sharing sessions, and an automobile showcase. The highlight of the event was the Car Show, which featured 25 high-end vehicles, allowing students to explore advancements in automobile technology and engineering.



Inaugurating of Sambhav2.0



### 2) Sports Activities

the annual sports meet in college is an important event that promotes physical fitness, team building, academic performance, social skills, and institutional pride in our campus. This year annual sports meet involves 10 sporting events. In this Sports Meet 1000 to 1500 students actively participate every year in various sport events.



## TRAINING & PLACEMENT CELL

STUDENTS PLACED WITH PACKAGE

> 6+ LPA

**250+**

HIGHEST PACKAGE OFFERED

**52** LPA

AVERAGE PACKAGE

**8** LPA

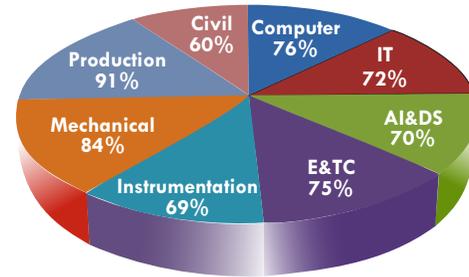
### PLACEMENT STATISTICS

ACADEMIC YEAR	Percentage of students placed
2024	75 %*
2023	76 %*
2022	79 %
2021	78 %
2020	79 %

Percentage of students placed

### DEPARTMENT WISE PERCENTAGE PLACEMENT

(2024 Graduating Batch)



These past four years have been an incredible journey filled with learning, challenges, and personal growth. From late-night project sessions to thought-provoking classroom discussions, every experience has played a part in shaping the person I am today.

I'm deeply grateful to my faculty, friends, and everyone who has supported and guided me along the way. As I begin this exciting new chapter, I look forward to embracing it with confidence, curiosity, and enthusiasm.

**Onkar Kakade**, Computer Engineering - Placed in **Darwinbox (16.3 LPA)**



My journey at DYPCOE has been truly transformative and enriching. Over the past three years, I've grown not just academically, but also professionally—preparing myself to take on real-world challenges with confidence. The college has provided a supportive environment, exceptional teaching methods, and numerous opportunities for continuous learning and growth.

**Apurva Darade**, Civil Engineering - Placed in **Polaris International (10 LPA)**



Grateful for the incredible journey over the past 4 years at college. From lectures and labs to friendships and projects — every experience has shaped me. I'm happy to start the next chapter as a Specialist Programmer at Infosys with a 9.5 LPA package. Thank you to everyone who's been part of this journey!

**Ajit Shivaji Shinde**, Information Technology - Placed in **Infosys (9.5 LPA)**

## Collaborations with Industries (MOU's & COE's)

virtusa



WORLDLINE

TECH mahindra



CitiusTech



# Elite Recruiters

Aditya Brila Hospital  
Amazon  
Amdocs  
Asahi Glass  
Atlas Copco  
Atos Syntel  
AU Small Finance Bank  
Barclays  
Bentley Systems  
Birlasoft  
Bitwise  
Byteridge Software  
BOSCH  
Capgemini  
Carrier Midea  
Centelon Group of Companies  
Cipla  
Clicentrix  
Cognizant Technology Solutions  
Constrologix  
Cummins  
Cybage Software  
DANA  
Deenanath Mangeshkar Hospital  
Deepak Fertilizers  
Divgi TTS  
Evolving X  
Electromech  
Emcure Pharma  
Emerson  
EY Global Delivery Services  
Endurance Technologies  
EPAM  
Equip 9  
Faber Infinite Consulting  
Faurecia Interior Systems  
FedEX  
Fluid Analytics Pvt Ltd  
Forbes & Company Ltd

Force Motors  
Fujitsu  
Godrej & Boyce  
Grupo Antolin  
HDFC Ergo  
HDFC Life  
Hewlett Packard  
Hexaware Technologies  
Hitachi  
Honeywell Automation  
IBM  
ICT Solutions  
Indovance  
Infosys Technologies  
Intelligent Technologies  
Inteva Products  
ITW Automotive  
Johnson Controls  
John Deere  
Jio Platforms  
Keyence India  
Kalyani Powertrain  
Kirloskar Pneumatics  
Knorr-Bremse  
KPIT  
KSB Pumps Ltd  
Kuksons Electronics  
Lodha Group  
Logi Next Solutions  
LTIMindtree  
MAHLE BEHR  
MAQ Software  
Medevice Healthtech  
Minda Spark  
mthree  
Mindtree Consulting  
Micromatic Machine  
Mastek  
Neeyamo

Neilsoft  
Nice Software Solutions  
Newgen Software  
Nova Sintech  
NTT Data  
Persistent Systems  
Piaggio Vehicles  
PMT  
Polycab Wires  
Praj Industries  
Quick Heal  
Raja Software Tabs  
Rieco Industries  
Rivigo  
Rockwell Automation  
Saint Gobain  
Sanmmar Group  
Scigen Biopharma  
SHV Energy  
Siddhatech Software Services  
SIEMENS  
SKF  
SUPERGAS  
Tata Communications

Tata Consultancy Services  
Tata ELXSI  
Tata Motors  
Tata Technologies  
Tech Mahindra  
Tetrapak  
Thermax  
Thyssenkrupp  
Toshiba Software  
TVS Logistics  
UBISOFT  
Uday Kulkarni & Associates  
Uno Minda  
Valuelabs  
Virtusa  
VM Ware  
Volkswagen  
Wipro Technologies  
WNS Global Services  
Worley Group  
Xoriant Technologies  
Zensar Technologies  
Zydus Cadila

## How To Reach



Dr. D. Y. PATIL PRATHISHTHAN'S

# D. Y. PATIL COLLEGE OF ENGINEERING

Sector 29, Nigdi Pradhikaran, Akurdi, Pune 411044