



DEPARTMENT OF CIVIL ENGINEERING (Choice Code: 679719110)

#### "Build your Career Foundation with Dnyanshree"

#### **VISION:**

Be an Excellent education center in Civil Engineering Forever.

#### **MISSION:**

- 1. To impart quality and real time education to contribute in the field of civil Engineering.
- 2. To promote research resulting in solving problems related to Civil engineering.
- 3. To exhibit moral and ethical values for progress of socially responsible professionals.
- 4. To have regular interaction with industry and offer solutions to their problems through collaborative efforts.

#### **LABORATORIES:**

B101

 Civil Engineering: Workshop - Structural Mechanics Laboratory / Concrete Technology Laboratory, Transportation Engineering Laboratory/ Hydraulics Laboratory

1<u>2</u>3

 Surveying and Geotechnical Engineering Laboratory



• Modelling Laboratory

312A

• Environment Engineering Laboratory

3**12**B

• Construction Material Lab

303

 Geology & Project Laboratory

30**4**A

• Structural Drawing Laboratory















#### **BEST PRACTICES AT DEPARTMENT:**

- 1. Project Based Learning
- 2. Value Added Program (VAP)
- 3. Course Projects
- 4. Outcome Based Education
- 5. Club Activities
- 6. Bridge courses
- 7. Outreach programme
- 8. NPTEL Local Chapter
- 9. Mentor Mentee scheme
- 10. Internships

#### **RESULTS:**

Class	Result
S.Y.B.Tech	80%
T.Y.B.Tech	90%
Final Year B.Tech	100 %

S.Y.B.Tech	T.Y.B.Tech	Final Year B.Tech
MOLAWADE DIPALI SHAMRAO (CGPA- 8.26)	SHRADDHA HEMANTKUMAR JAGTAP (CGPA- 7.34)	GHADAGE PRADIP DATTATRAY (CGPA- 8.59)

#### LEARNING ATTRIBUTES:







Course Project

Value Added Program







**Project Based Learning** 

Virtual Lab

NPTEL Courses







**Guest Lecture** 

**Industrial Visit** 







**NDLI Club Activity** 

**Sports** 

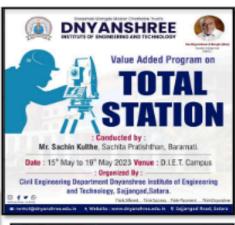
**Peer to Peer Learning** 

#### **Industry Collaboration/MOU**



#### Sachita Pratishthan,Baramati







#### **PLACEMENTS:**

Long 73.921289\*

15,06/23 10:19 AM GMT +05:30

#### Government Sector

Gajawadi, Maharashtra, India Dryanshre Institute, Sajangad Rd, Gajawadi, Vahanashna 415013, India Let 17348544\*











**Our Recruiters** 

Ms. Snehal Jadhav Jr.Engg. Gr-II PWD, Medha 2016-17 Mr.Ghorpade Shubham Sunil Jr.Engg,Gr-II PWD 2020-21 Mr.Rohan Shedage Jr.Engg. PCMC,Pune 2018-19 Mr.Shubham Ghorpade General Duty Constable 2021-22



#### **Private Sector Our Recruiters**



Shraddha Hemantkumar Jagtap **Godrej Properties & AMAZON** 2023-24



Shaikh Arbaj Hettich India Pvt. Ltd 2023-24



2023-24



**Prasad Patekar Choice Pvt Ltd** 







**Kishor Shelar** 



**Omkar Phadtare** 



Pawar Indrajeet



Pawar Rohan



**Aniket Pawar** 



**Pratik Dapal** 



**Pravin Jalak** 

Shivsamarth Builders and Developers Pvt.Ltd (2023-24)

#### **Our Proud Alumni (ENTREPRENEURS)**

SR. NO.	NAME OF STUDENT	COMPANY	YEAR
1	Sagar Kumbhar	Public Work Department	2015-16
2	Vishal Baburao Bhosale	Veds Developers,Satara (Public Work Department)	2017-18
3	Pratik Prakash Gahine	Public Work Department	2017-18
4	Digambar Sanjay Dhane	Shree Swami Samartha Construction Engineer &Contractor,Satara	2017-18
5	Ajinkya Karanjkar	Mangalam Construction,Satara	2017-18
6	Suraj Arjun Pawar	Unique House Design,Satara	2018-19
7	Omkar Ramkrisahna Karanjkar	R&D Group,Satara	2018-19

8	Samarth Anil Lembe	Mandakini Group and associates	2018-19
9	Swapnil Jagganath Pawar	ECO Block Enterprises,Arale,Satara	2018-19
10	Prathmesh Patangrao Pimple	Prathmesh Pimple Engineers and contractor,Satara	2019-20
11	Sourabh Sanjay Dhenge	Town Planning & Valuation Department,Kolhapur	2019-20
12	Manthan Gajanan Salunkhe	Manthan Salunkhe Group,Koregaon,Satara	2019-20
13	Akshay Tatyasaheb Mahadik	Zilha Parishad,Public Work Department,Karad,Satara	2019-20
14	Rahul Dhanaji Phadtare	Public Work Department,Satara	2020-21
15	Jayesh Nimbalkar	Sankalp Construction and contractors,Satara	2020-21
16	Pooja Navnath Bhosale	Bhosale Contractors & Developers,Satara	2020-21
17	Rohit Rajaram Jadhav	Sankalp Construction and contractors,Satara	2020-22
18	Shubham Uttam Mane	Shri Balaji Enterprises,Nagthane	2022-23
19	Shivraj Dhane	Shivraj Dhane developers & Constructions, Satara	2022-23
20	Sandip Jadhav	Vishwadeep milk	2022-23

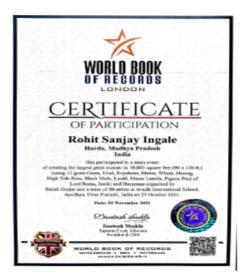
#### **More than 20 Entrepreneurs and Government Licence Holders**

#### **STUDENTS ACHIEVEMENTS:**



Mr.Pradip D. Ghadage NPTEL Online Certification Topper at National level Mr.Jitendra Chalake 12t SKOI All India International Karate Championship 2023 gold medal in fight category &Silver medal in Kata Category

Mr.Shridhar Tapase
DBATU Zonal Games, Inter Zonal
Games & West Zonal Games
Men's singles Gold Medal Winner
Doubles Gold Medal Winner



Rohit Ingale World Book of Record, London



Rohit Ingale Harvard World Record, London



Ms Rutuja Nipane Awarded by BAI, Satara for volunteering at Rachana Exhibition

#### **FACULTY ACHIEVEMENTS:**





Mrs.A.U.Kharade, Mrs.P.P.Jadhav & Mr.V.R.Mane Awarded for 10 years of continue service by DIET,Satara



Prof. Prajkta P. Jadhav Rajmata Jijau Award, Jai Foundation, Satara



# DNYANSHREE INSTITUTE OF ENGINEERING & TECHNOLOGY



an ode (Bhai) Q: A/P. Sonvadi-Gajvadi, Sajjangad Road, Tal. & Dist.: Satara - 415 013. (Maharashtra) India

#### **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING (679724210)**

#### VISION:

Be an Excellent Department in Computer Science & Engineering Education.

#### **MISSION:**

- 1. To develop Computer Science & Engineering graduates through effective implementation of teaching-learning process.
- 2. To establish knowledge sharing culture through academic-industry collaboration.
- 3. To cultivate research & innovation environment.
- 4. To inculcate moral and ethical values of CSE department.

#### **OUR LABORATORIES:**



**Programming Laboratory** 



Unix and Networking Laboratory



**Pervasive Computing Laboratory** 



**Red Hat Laboratory** 



**Project Laboratory** 



Web Technologies Laboratory

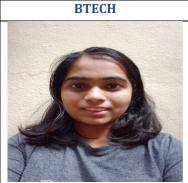
#### **Department Toppers / Results (A.Y.-2023-24):**



Ms. Daivata Prabhat Potekar CGPA: 8.30



Mr.Vaibhav Rajesh Limbkar CGPA: 8.13



Ms. Rutuja Rajendra Kavade CGPA: 8.66

#### **Co-Curricular Activities:**



Value Added Program on "React-JS" from 6/11/2023 to 9/11/2023, for final year B.Tech



Value Added Program on "Architecting The Future: Innovation and strategies for IT" from 26/3/2024 to 1/04/2024, for final year B.Tech students

#### INDUSTRIAL VISIT



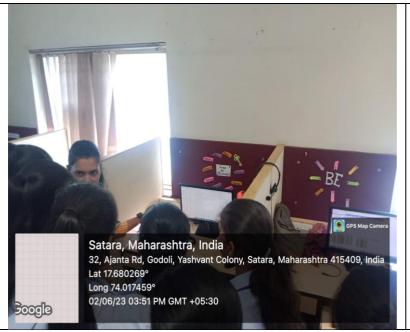


HR gave Introduction of Company





HR gave answer to students queries





**Visit to Departments** 



#### STUDENT'S ACHIEVEMENTS:





**Selected for Inter Zonal Sports Represents DBATU Inter Zonal Sport 2023-24 At Dhule Chess** 



**Selected for Basketball Inter Zonal Sports Represents DBATU Inter Zonal** Sport 2023-24



**Selected for Basketball Inter Zonal Sports Represents DBATU Inter Zonal** Sport 2023-24



**Selected for Basketball Inter Zonal Sports Represents DBATU Inter Zonal Sport** 2023-24



#### Our Placements(A.Y.-2023-24):



adisoft



Krunal Anil Nikam adisoft technologies



Aniket Maruti Lohar adisoft

technologies



**Omkar Vijay Ghadage** adisoft

technologies





Siddharth S. Gharge



**Barge Asmita Santosh** 



Shruti M. Rajemahadik











#### **FACULTYACHIEVEMENTS:**



Prof P.M. Pondkule awarded by Best Teacher 2023-24



**UK Design Patent** 



Prof D.V.Karche appreciated by IIT,Madras



Design Patent On IoT Based Camera For Healthcare Management

#### **CO-CURRICULARANDEXTRA-CURRICULARACTIVITIES:**



**Design Patent IoT Based Organic** 

**Waste Composter** 

Technical Event Coding Maestro dated 26/5/2024



Students Participated in Annual Gathering of the Institute



Technical Event LAN Gaming dated 26/5/2024





#### Raosaheb Wangde Master Charitable Trust's

# **INSTITUTE OF ENGINEERING & TECHNOLOGY**



Q: A/P. Sonvadi-Gajvadi, Sajjangad Road, Tal. & Dist.: Satara - 415 013. (Maharashtra) India

#### **DEPARTMENT OF ELECTRICAL ENGINEERING (679729310)**

#### VISION:

Be an Excellent Technological Center in Field of Electrical Engineering Education Continuously.

- 1. To impart quality education through effective teaching learning process for development of skilled undergraduates in Electrical Engineering.
- 2. To promote research & innovation environment in the field of Electrical Engineering.
- 3. To establish academic-industry interaction for continual improvement.
- 4. To inculcate ethical and moral values in the Department.

#### **OUR LABORATORIES:**



Network Analysis and Synthesis



Computer Lab





witchgear and Power System



**Electrical Workshop** 



**Measurement and Control** 



**Power Electronics and Drive** 

#### **Best Practices In department:**



**Departmental Library** 



Guardian Teacher Scheme (GTS)



**Project Based Learning.** 

#### **Department Toppers / Results:**

#### A.Y.-2022-23:

Class	Result	Topper	
S Y B. Tech	90%	SIDDHANT RHUSHIKESH SHILWANT (CGPA 7.41)	
T Y B. Tech	95.65 %	BACHAL SHARVEYA GANESH (CGPA 8.24)	
Final Year B. Tech	100%	KALE POOJA SHANKAR (CGPA 8.47)	The state of the s

#### STUDENT'S ACHIEVEMENTS:



- Our 7 projects groups out of 12 of academic year 2023-24 has successfully filed Indian Design Patents.
- Mr. Shrivijay Dattatray Jagtap (B. Tech.) has awarded with "Best Outgoing Student" of the Institute for academic year 2023-24.
- Mr. Rohit Sanjivan Bhosale (B. Tech.) has awarded with "Student Ambassador" of the Institute for academic year 2023-24.

#### Our Placements (A.Y.-2023-24):







Ganesh Kadam



Vishal Shinde



Vijay Dhane



Rushikesh Sanas



Shubham Karve













#### FACULTY ACHIEVEMENTS:



Awarded with Ph. D. Degree in **Electrical and Electronics** Engineering



Jury Member in Maharashtra **Student Innovation Challenge 2023** 



Best Mentor Award in A. Y. 2022-23

#### 1. Dr. S.U.Bagwan

- Published Utility Patent Entitled "Flexible SVC Controller for Voltage Improvement and Reactive Power Management in Distribution Systems with Minimal Injection of Harmonics" in A. Y. 2023-
- Filed Two Design Patents Entitled "Automatic Solar Agro-Vehicle for Optimal Spraying of Fertilizer and Pesticide" and "Effective, scheduled battery-operated automatic solar panel cleaning system" respectively in Academic Year 2023-24.

#### 2. Mr. P. S. Rajmane

- Filed One Design Patent Entitled "Electric Bicycle Using Solar (Hybrid) Charging System" in Academic Year 2023-24.
- Presented Paper entitled "Solar Energy Integration to Grid Using Grid Forming Inverter" at IEEE International Conference held at SGI, Atigre in Academic Year 2023-24.
- 3. Mr. S. M. Nadaf
  - Filed Two Design Patents Entitled "IoT Based Smart Composting Machine for Kitchen Waste" and "Low-Cost Ventilator Using Micro-Controller" respectively in Academic Year 2023-24.
- - Filed One Design Patent Entitled "Gravitricity the Electricity Storage Device" in Academic Year 2023-24.
- 5. Mr. V. R. Mehta
  - Presented Paper entitled "IoT Based Smart Agricultural Devices" at IEEE International Conference in Academic Year 2023-24.

#### CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES:



Four Weeks Internships for All **Students** 



Value added program for all students



**Organized Guest Lecture on trending** topics for all students.



**Tree Plantation** 

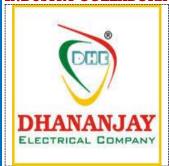


Students Participated in Annual
Gathering of the Institute



**Blood Donation** 

#### INDUSTRY COLLABORATION/ LINKAGES:









MOUs with the above industries

#### **Industrial Visits:**



Kisanveer Sugar factory, Kisanveernagar, Bhuij



Shri. Dhanajay Electrical, MIDC Satara



Khodshi Hydro Power Plant, Khodshi Karad



## **RWMCT's**

# Dnyanshree Institute of Engineering and Technology, Satara.

### **DEPARTMENT MAGAZINE**

**Mechanical Engineering** 

**AY** 2022-23

# Department Highlights



Department of Mechanical Engineering Establishes Centre of Excellence in Collaboration with Mitsubishi

We are proud to announce that the Department of Mechanical Engineering has established a Centre of Excellence (CoE) in collaboration with Mitsubishi during the academic year 2022–23. This strategic partnership marks a significant milestone in bridging the gap between industry and academia, aiming to foster innovation, research, and skill development in advanced engineering technologies.

#### **Objective of the Centre:**

The Centre of Excellence is designed to bridge the gap between academic knowledge and industry practices. It will serve as a hub for cutting-edge research, hands-on training, interdisciplinary collaboration, and the development of industry-ready solutions.

#### **Key Focus Areas:**

- 1. Advanced Manufacturing and Automation
- 2. Renewable and Sustainable Energy Technologies
- 3. Design and Simulation Engineering
- 4. Robotics and Mechatronics
- 5. Product Development and Prototyping

# Student Achievements



Final Year B.Tech students have won First Prize at the National-level technical event "YASHOTECH 2023", organized by Dnyanshree Institute of Engineering & Technology, Satara Their innovation, technical expertise, and teamwork were highly appreciated by judges and participants alike.



Final Year B.Tech students have won First Prize at the state-level technical event "DNYANAVISHKAR 2023", organized by Dnyanshree Institute of Engineering & Technology, Satara.



• Final-year B. Tech students have

## **Faculty Corner**

#### **Faculty Development Programs:**

We are pleased to share that a total of 08 faculty members from the Department of Mechanical Engineering at Dnyanshree Institute of Engineering & Technology, Satara actively participated in various Faculty Development Programs (FDPs) during the academic year 2022–23.

The enthusiastic involvement of faculty members in FDPs reflects the department's strong commitment to academic excellence and lifelong learning. It also contributes to elevating the overall quality of education delivered to students.

#### **Examination Activity:**

We are pleased to announce that Prof. R. V. Salunkhe, Assistant Professor in the Department of Mechanical Engineering at Dnyanshree Institute of Engineering & Technology, Satara, affiliated with Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere, has been appointed as a Paper-Setter by the university in the Academic year 2022 -23.

#### **Key Features:**

- 1. State-of-the-art lab facilities and simulation software
- 2. Collaboration with industry experts and research institutions
- 3. Workshops, internships, and certification programs
- 4. Opportunities for student-led innovation and startup incubation
- 5. Support for patent filings and research publications

# successfully achieved a patent for their innovative project, "Design and Manufacturing of Cow Dung Lifting and Cleaning Machine." This remarkable milestone reflects their commitment to practical problem-solving and technological innovation aimed at improving rural sanitation and agricultural practices.

• A total of 31 students participated in various technical events at District, State and National level Competitions during the academic Year 2022 – 23.

# Industry Connect | Events &

#### **Industrial Visits:**



An industrial visit to **Suzlon Energy Ltd.** provided an insightful experience into the workings of one of India's leading renewable energy companies. The visit was organized to give students a first-hand understanding of wind energy technologies, manufacturing processes, and the overall contribution of Suzlon to the clean energy sector.



The visit to Maharashtra Scooters Ltd. was an enriching and educational experience. It gave students a practical understanding of automotive manufacturing and emphasized the role of engineering skills in shaping the industry. Such visits are invaluable in enhancing student engagement, career awareness, and industry readiness.

## Alumni Speak



As an alumna of Dnyanshree, I can confidently say that my time at this institution been esteemed has transformative. Dnyanshree Institute not only equipped me with the technical skills necessary for my career but also installed in me a sense of discipline, perseverance, and innovation. The vibrant campus culture, dedicated faculty, and state-of-the-art facilities provided me with an environment conducive to learning and personal growth. Today as I look back on my journey, I am grateful for the valuable education and experiences gained at Dnyanshree Institute, which continues to shape my professional trajectory...

- Mr. Udaykumar Mane (Design Engineer, WIT, Walchandnagar)

#### Best Engineering College in Satara – Dnyanshree Institute of Engineering & Technology, Satara

"Choosing Dnyanshree Institute of Engineering & Technology, Satara, was one of the best decisions of my academic journey. As an alumnus, I can confidently say it is the **best engineering college in Satara**—not just for its excellent academic curriculum but also for the holistic development it offers."

The college provided me with:

- Experienced and supportive faculty who guided me both academically and personally
- State-of-the-art laboratories and facilities that helped turn theory into hands-on experience
- Industry exposure through workshops, industrial visits, and internships prepared me for the real-world
- A vibrant campus life with technical fests, seminars, and cultural events that made my journey memorable
- Strong placement support and skill development programs helped me secure my first job.

# Events & Workshops





- The Department of Mechanical Engineering delivered an exceptional performance at the "Dnyanshree Krida Mahotsav 2023". Our students showcased remarkable talent, sportsmanship, and unwavering team spirit throughout the event.
- Cricket: Degree Boys Winner Team
   Kabaddi: Degree Boys & Girls
   Runner-up Teams
- Congratulations to all the participants for their dedication and hard work.
   You've made the department proud!

#### Value Added Programs:

1. "Non-Destructive Inspection in Manufacturing"

The Department of Mechanical Engineering successfully organized a Value-Added Program in collaboration with Spion NDT Pvt.

Ltd., Satara on the topic "Non-Destructive Inspection in Manufacturing."

The program aimed to enhance students' understanding of modern inspection techniques used in the manufacturing industry, with a focus on real-world applications of non-destructive testing (NDT) methods. This initiative provided participants with valuable insights into quality assurance and safety in engineering components, bridging the gap between academic learning and industrial

Dnyanshree doesn't just teach engineering—it shapes professionals who are ready to take on the future with confidence. I'm proud to be a part of the Dnyanshree family.



An industrial visit to **SHREE TOOLS**, **Satara**, was organized for the students of the **Mechanical Engineering Department** to provide practical exposure to modern manufacturing practices and tool-making processes. The visit took place as a part of the academic curriculum aimed at enhancing students' industry interaction and real-world understanding of production systems.



The Department of Mechanical Engineering organized an industrial visit to Kisanveer Co-operative Sugar Factory Ltd., located at Bhuinj, Wai, Satara, providing students with valuable exposure to real-time industrial operations and processes in the sugar manufacturing sector.

practices.

The

Engineering,

# 2. "Die Design and Applications of Press Tools in Industries"

Dnyanshree

of

Mechanical

of

Institute

**Department** 

& Engineering Technology, Satara, successfully organized a Value-Added Program on the topic "Die Design and Applications of Press Tools in Industries." This program aimed to bridge the gap between academic knowledge and industrial practices, providing students with valuable insights into die design techniques and the real-world applications of press tools in manufacturing industries.

Workshop on "Entrepreneurship Development"



The **Department** of Mechanical Engineering at Dnyanshree Institute of Engineering & Technology, successfully organized a Workshop on "Entrepreneurship Development" collaboration with the **District Industry** Center (DIC), Satara. The event aimed to inspire and empower students to explore entrepreneurial opportunities and develop the mindset needed to become future innovators and job creators.

Workshop on "Content Creation using Multimedia Platforms"



The Department of Mechanical Engineering at Dnyanshree Institute of Engineering & Technology, Satara, successfully organized a Three-day workshop on "Content Creation using Multimedia Platforms" aimed at equipping students with modern digital communication skills beyond conventional engineering boundaries.