

TOPPERS OF BE

Rank-ers	Name of Students	Total Marks (800)	% Marks / Grade
1	Awatade Komal Chandrakat	658	82.25
2	Kamreddi Akash Manoj	632	79.00
3	Vibhute Supriya Kavish	631	78.88

TOPPERS OF TE

Rankers	Name of Students	Total Marks (800)	% Marks / Grade
1	Navale Shrushti Shankar	636	79.50
2	Kolekar Sakshi Rajesh	629	78.63
3	Mente Tejas Rajivkumar	619	77.38

TOPPERS OF SE

Rankers	Name of Students	Total Marks (800)	% Marks / Grade
1	Sathe Ritesh Ramesh	718	84.47
2	Kokate Dhanashree Dhananjay & Sakkarge Irafan Bandenavaj	712	83.76
3	Bagewadi Aditya Rajshekhar	700	82.35

Innovative and Remarkable Projects



1. Mini Project titled 'Smart Agriculture Robot' developed by Yashraj Hanmant Patil, Abhishek Hemant Gramopadhyaya, Ram Prashant Ilkal, and Yash Sunil Ambekar under the guidance of Prof. Pathak S. S., Prof. Lamkane S. H., and Prof. Chavan S. M. The project introduces an autonomous, multifunctional robotic platform to enhance farming efficiency through robotics, IoT, and precision agriculture.

2. Major Project *Stair Climbing Cart for Cylinder* developed by Rohan D. Ghante, Sumedh S. Ghumne, Pankaj B. Atale, Jaikar A. Rameshwar, and Kokate O. Bhaskar under Prof. Y. B. Shete. A manually operated stair-climbing trolley designed for safe, low-cost transport of heavy gas cylinders with minimal effort and enhanced stability.

3. "Final Year B.Tech project on redesigning an Electric Vehicle at NBNSCO, Solapur improved chassis strength, battery placement, suspension, and braking for better load capacity and efficiency. Powered by a 48 V 100 Ah LiFePO₄ battery and 3000 W motor, the EV achieves 30 km/h speed and 50 km range within a ₹1.9 lakh budget."

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SINHGAD INSTITUTES



N B Navale Sinhgad College of Engineering, Solapur

MECHANICAL TIMES - 'THE TOP GEAR'

DEPARTMENTAL NEWS LETTER

Jan 2025 to June 2025



HOD MESSAGE



Dr. R T Vyavahare

I take the privilege to welcome you all to the Department of Mechanical Engineering of N.B. Navale Sinhgad College of Engineering, Kegaon, Solapur. The department seeks to achieve excellence in education through Project Based Learning. In the process, students are motivated to involve themselves in Industrial Visits, Lab-Innovations, Mini-Projects & LCD presentations. Our Laboratories have been very well established not only to cover complete syllabus but to motivate students to learn beyond the syllabus which definitely develops latest knowledge of the subject and skill set of students to become promising engineers in future. The core values of the department help the students to develop their overall personality and make them worthy technocrat to compete and work at global level. Our department has been conducting technical events like workshops/expert lectures/industrial visits in co-ordination with the student wing of the department i.e. MESA.

VISION

To be recognized as outstanding department in value based technical education, producing well qualified Mechanical Engineers with competent skill to serve the ever changing industrial and social needs.

MISSION

To develop multi-dimensional engineers by:
1. Implementing continuously improving teaching-learning process.
2. Practicing professional ethics in daily activities.

DEPARTMENTAL OBJECTIVES

1. To incorporate project based learning in to the curriculum execution.
2. To create an environmental suitable for developing research culture.
3. To introduce well designed value addition programme in order to map with industrial requirements.
4. To strengthen association with industrial world through industrial visits, in-plant trainings and signing MOUs.
5. To provide training essential in enhancing employability and entrepreneurial traits.
6. To mold the students to possess professional ethics, moral values and sense of social responsibilities.

TWO DAY WORKSHOP ON ADDITIVE MANUFACTURING



Inauguration Function



Training Session

This immersive two-day workshop, held on **11 and 12 June 2025**, was organized in collaboration with **Divide By Zero, Mumbai**. It equips participants with both theoretical foundations and hands-on expertise in 3D printing and additive manufacturing (AM). Attendees will explore core AM technologies—such as FDM, SLA, SLS, and metal-based processes—including materials, applications, advantages, and limitations.

VALUE ADDITION PROGRAM ON CATIA



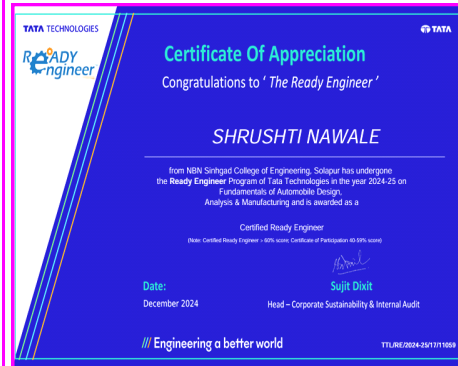
Valedictory Function



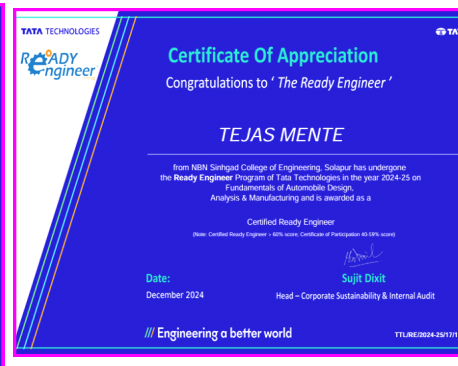
Students Participants

A **52-hour hybrid workshop** on *Design and Modeling in CATIA* was conducted from for **Third-Year Mechanical Engineering students**. Guided by **Mr. Pradip Bhopale** and coordinated by **Prof. Alim Shaikh**, the program trained **24 participants** in 3D modeling, 2D drafting, part design, assembly creation, and preparation of detailed technical drawings. The workshop helped students enhance their CAD skills, integrate design intent, and simulate assemblies, aligning with modern product development practices.

Advanced Automobile Design Course



Certificate of Appreciation



An online training program on **Advanced Automobile Design** was organized from **1 Jan to 30 April 2025** for **Third-Year Mechanical Engineering students**. Conducted by **Tata Technologies Ltd., Pune** for the **three-month course** enrolled **40 participants**. Students gained insight into the working of automobile systems, actual design procedures, and advanced CAD tools. The training enhanced their ability to solve real-world automobile problems, apply the latest industry techniques, and improve interpersonal and communication skills.

Alumni Meet



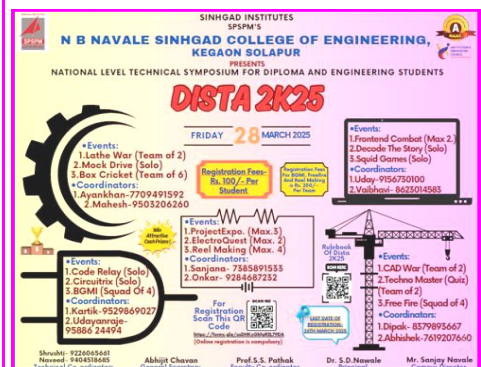
Flyer



Students Interaction

“Alumni Meet organized by the Department Student Association at NBNSCOE, Solapur on 22nd March 2025, with 8 alumni participating and engaging students through talks, cultural events, and feedback sessions. The alumni shared insights on career opportunities, higher education, and entrepreneurship challenges faced in the industry. They motivated current students to develop professional skills and stay updated with emerging technologies.”

DISTA-2K25



Flyer



Students Participants

Dista – A National level technical festival of NBNSCOE was organized in the on 25 March 2025. Mechanical department organized 2 different technical (Lathe War & Mock Drive) and 1 non technical (Box Cricket) activities to Explore the various skills among the students. Around 150 participants are participated in various events.

GUEST LECTURE



Guest Lecture on “**Resume Writing**” by Mr. Pournendra G (Founder of Simplified), organized on 9th Oct 2024 for final-year students.”

INDUSTRIAL VISIT



“Industrial Visit to Suyesh Foundry Pvt. Ltd., Sangli by S.Y. & T.Y. Mechanical (A & B) students on 19th Apr. 2025, accompanied by Prof. U. M. Rawat. Total students: 48.”

Rankers in University Examination



Awtade Komal
2nd University Rank
Final Year



Sathe Ritesh
6th University Rank
Second Year



Kokate Dhanashree
8th University Rank
Second Year



Sakkarge Irfan
8th University Rank
Second Year



Bagewadi Aditya
10th University Rank
Second Year

Faculty Achievements

- Dr. R. T. Vyavahare** was granted a Utility Patent in March 2025 for the invention titled ‘A Cantilever Type Piezo-electric Vibration Energy Harvester Having Frequency Tuning Provision’ (Application No. 563259).”
- Dr. A. M. Kazi** successfully earned an Elite Certificate in NBA Accreditation and Teaching and Learning in Engineering through NPTEL in May 2025. This national-level certification reflects a strong commitment to excellence in engineering education and continuous professional development.
- Dr. R. T. Vyavahare** published a Scopus-indexed journal paper titled “*Optimization of Truck Driver Cab Geometry for Commercial Trucks Based on Human Factors Enhancing Driver Safety*” in the *International Journal of Transportation System Research* (Sept. 2024 issue).
- Prof. K. S. Mangrulkar** presented conference papers—“*Optimization of Cutting Parameters in Turning using Taguchi Method*” at the National Conference on Innovations for Rural Development and Smart Commercialization (March 2025).
- Prof. S. M. Chavan** presented conference papers—“*National Education Policy 2020: Awareness among Rural Students*” at the National Conference on Innovations for Rural Development and Smart Commercialization (March 2025).
- Research project titled ‘Performance Analysis of Small-Scale Composite Tunnel Solar Dryer’ by **Prof. R. R. Honkalas** and **Prof. S. A. Gurav** received funding of ₹30,000 from PAHSUS, Solapur and has been sanctioned.
- Dr. A. M. Kazi** served as a Peer Reviewer for the international journal *Materials Letters* (Elsevier).
- Dr. R. T. Vyavahare** served as a Peer Reviewer for a Scopus Indexed International Journal.

Placement Details

Sr.No	Name Of Company	Number of Students Placed	Salary (Rs. In Lakh Per annum)
1	Worley	1	5.15
2	Safran Aircraft Engines	1	3.75
3	Indovance Pvt. Ltd.	3	3
4	Ferrites India Pvt. Ltd.	2	2.75
5	Lokmat	3	2.64
6	Gujrat Reclaim & Rubber Products Ltd.	1	2.64
7	Walchandnagar Industries	2	2.58
8	Bgauss Auto Pvt. Ltd	1	2.52
9	ZF Steering Gear	1	2.5
10	Unique Measurement Systems	11	2.5
11	Polybond India	1	2.5
12	Advik Hi-Tech	2	2.5
13	Kalyani Bharat Forge	1	2.5
14	Precision Camshaft Ltd.	1	2.5
15	Tata AutoComp	4	2.5
16	Nash Industries	3	2.5
17	Kothari Agritech Pvt. Ltd.	2	2.4
18	DesignTech Systems	1	2.4
19	Bharat Forge	1	2.4
20	Elcon Cable Trays	2	2.4
21	LHP	1	2.4
22	Leomech System	1	2.3
23	Ratna Technology	1	2.3
24	OC Specialities	1	2.3
25	Dynaxcel	1	2.3
		49	2.65



Mrugank More
Unique Measurement Systems & Dynaxcel & Indovance Pvt. Ltd.



Akash Kamreddi
Unique Measurement Systems & Tata AutoComp & Bgauss Auto Pvt. Ltd. & Indovance Pvt. Ltd.



Komal Awtade
Unique Measurement Systems & Walchandnagar Industries



Pankaj Akale
Unique Measurement Systems & Tata Auto Comp & Nash Industries



Naresh Mendgudale
Unique Measurement Systems & Tata Auto Comp & Nash Industries



Sumedh Ghumare
Unique Measurement Systems & Ferrites India Pvt. Ltd.



Suraj Kesur
Unique Measurement Systems & Indovance Pvt. Ltd.



Aditya Jadkar
Unique Measurement Systems & Polybond India



Rohan Ghanate
Unique Measurement Systems & Ferrites India Pvt. Ltd.



Supriya Vibhute
Unique Measurement Systems



Sagar Chavare
Unique Measurement Systems & ash Industries



Rizwan Shaikh
Tata AutoComp



Arshan Khan
Advik Hi Tech Pvt Ltd



Parwez Choudhari
Advik Hi Tech Pvt Ltd



Sonali Chavan
Worley



Shreyash Babhulgaonkar
Qspiders & Profound Edutech



Moulali Gonne
Qspiders



Amrut Jamadar
Kothari Agritech Pvt. Ltd. & Unique Measurement Service



Udaysingh Rathod
Qspiders & Profound Edutech



Shivsundar Gaikawad
Kothari Agritech Pvt. Ltd.



Sandip Mhetre
LHP



Rushikesh Kulkarni
Walchandnagar Industries Ltd.



Swapnali Bhosale
Leomech System



Faij Qureshi
Ratna Technology & Unique Measurement Service



Viresh Kore
Kalyani Bharat Forge



Suraj Patil
Gujrat Reclaim & Rubber Products Ltd.



Shailesh Pawar
Elcon Cable Trays & Unique Measurement Service



Shivarajkumar Karajagi
Lokmat



Pramod Gate
Lokmat



Pramod Chaugule
Lokmat



Harish Sadafule
OC Specialities