
MECHANICAL ALMANAC

JUL-DEC 2022



Vision and Mission

Trending this Semester

- MOU signing with D20 Learning
- Plethora of events in SymbiTech 2022
- Industrial visit at Reinshaw Metrology Systems Ltd.
- Alumni Meet with 2018-22 batch.

Vision

The Department of Mechanical Engineering envisions to be recognized as a leader in offering a value-based education by disseminating knowledge, skills, and empowering students for better career opportunities.

Mission

1. To promote value-based education in Mechanical Engineering by facilitating professional ethics & experiential learning for better employability.
2. To encourage students to excel in research, innovation & entrepreneurship skills for addressing societal needs.
3. To enhance students' skills by promoting industrial & international collaborations to foster global competencies.

Program

Educational Objectives

1. Apply the fundamental knowledge & skills of Mechanical Engineering to analyse and solve real-world technical problems along with international significance.
2. Demonstrate creative, critical, and design thinking abilities by solving research problems in mechanical engineering of social relevance.
3. Communicate effectively and work as a team in multi-disciplinary domains with an entrepreneurial attitude and leadership qualities.

Industry Connect

As an Academic Institute committed to make our students Industry ready, Mechanical Engineering Department signed a MOU with D2O Learning. D2O learning works in Sustainable Energy, Green Building and Energy Audits and is supporting learners to meet their career goals right from entering to the job market and changing fields to seeking promotion and exploring for Green Jobs in Sustainability Industry.



We are grateful for the initiative taken by Dr Anirban Sur, Professor Mechanical Engineering. Thanks to support from Deputy Director-Administration, Dr Nitin Khedkar, Deputy Director-Academics Dr Arundahati Warke and Dr C R Sonawane, I/c Head, Mechanical Engineering Department.

Events and Activities

Mechanical Engineering Department invited young enthusiastic minds to be a part of SYMBITECH, the annual technical festival of SIT, on 11th and 12th of October, 2022.



Events and Competitions

 <p>Lathe Wars Make a product from the raw metal rods using the lathe machine and tools</p>	 <p>3D Model Design Design a model on AutoCAD to 3D print it</p>	 <p>Laser Cutting make 2D design on AutoCAD, Laser cut and assemble</p>	 <p>FloatarIG design a floating platform for deep sea wind farms that must withstand turbulent current, high speed winds and changing tides while efficiently generating power</p>
 <p>Model Testing: Constructo On-spot model making consists of a bridge framed structures using balsa sticks and ice cream sticks</p>	 <p>Model Testing: Resilience Get your measurements right with precision and accuracy & build the tallest building to withstand the two most powerful forces of nature- wind & earthquake load.</p>	 <p>Car parts assembly assemble the parts and make a car</p>	

SYMBI TECH 2022

Symbiosis Institute of Technology brings back its very own and well-renowned technical fest with added zest and enthusiasm this year. For the first time, it is planned to be a centralized national-level event. Everyone, regardless of their branch, will come together to showcase the perfect two days. SymbITech will help young minds broaden their vision and surrender to their instincts for knowledge.

Theme: Cosmos

Date: 11-12 October 2022

Venue: Symbiosis Institute of Technology, Lavale, Pune

Lathe wars, 3D Model Design, Laser Cutting, Car parts assembly were some of the exciting events planned by Mechanical Engineering Department.

Events and Activities

Tinkering at SIT, is an idea proposed by our Director Dr Ketan Kotecha and amazingly executed by the faculties of all the departments, and one of the most enjoyed activity for all the first year students!

Department of Mechanical Engineering also steps in with its very own unique ideas for Tinker Lab activities

SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT)

TINKER LAB ACTIVITIES



Explore || Assemble || Disassemble || Hands-On Experience ||

SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT)

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Some of exciting activities at Tinkering are:

- IOT Sensor Based Activities
- Lan Cable Crimping
- Laser Cutting
- Microwave Assembly-Disassembly
- Mobile Computing
- Canva/Animaker/Poster and Website Creation

Tinker Lab is a place where Science meets Innovation!

Industrial Visits

Tell me and I forget. Teach me and I remember. Involve me and I learn. Memories fade with time and lessons are forgotten, but experiences shape a human being and leave a lasting mark

Mechanical Engineering Department has left no stone unturned to give the best of exposure to students in grasping key concepts.



Glimpses of Second year students visit to Reinshaw Metrology Systems Ltd. was worth once a lifetime experience. Experts shared their insight on new tools and technology in the field.

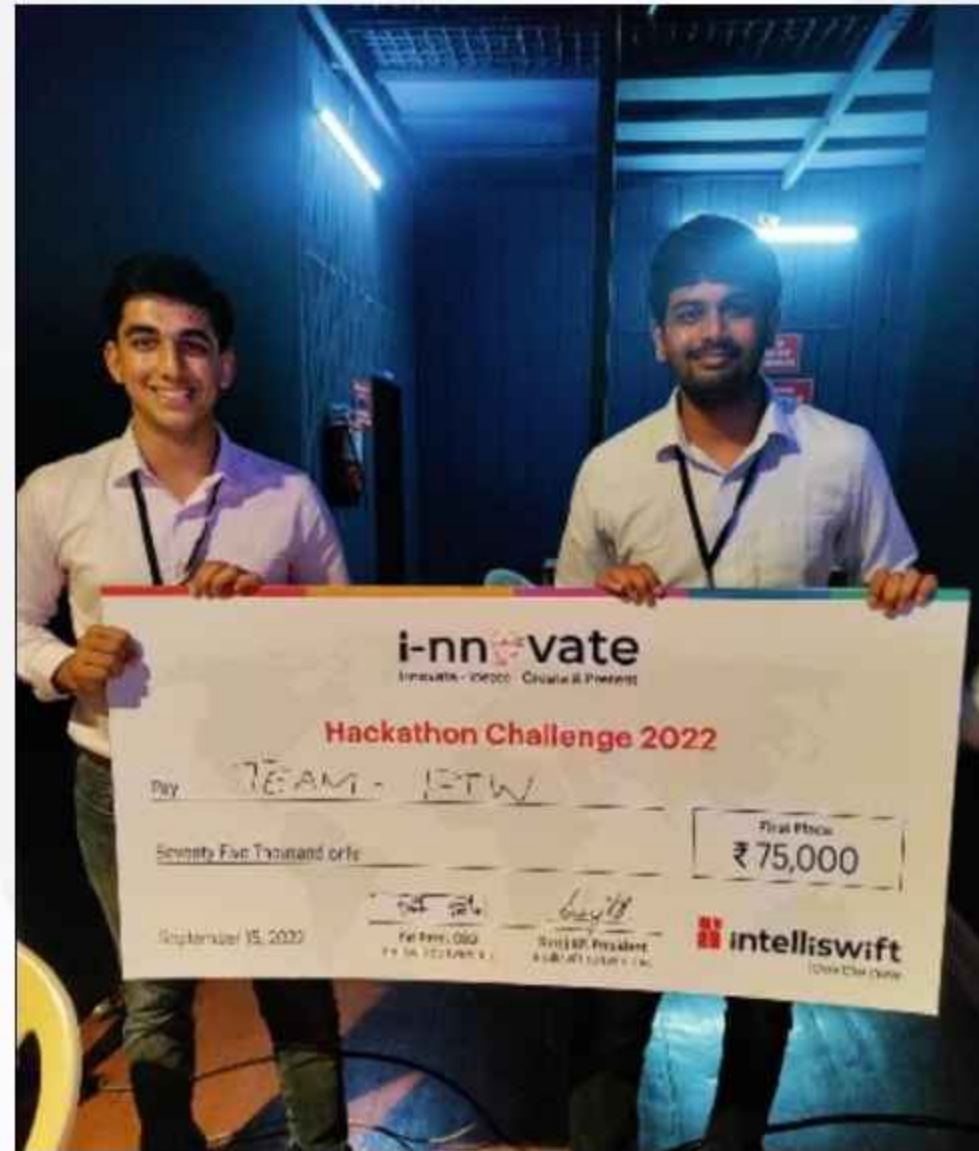
Thanks to whole hearted efforts of Prof Vikas Gulia and Team Mechanical for making it happen

Experiential Learning at Mechanical Engineering Department, Symbiosis Institute of Technology

Students of Second and Third Year Mechanical Engineering had a great learning opportunity when they visited Pune Metro at Shivajinagar underground metro construction site.

Students along with faculty members Dr. Nitin Solke and Mr Nilesh Shelar experienced a group metro return ride from Garware Station to Vanz. Institute of Technology

Students' Achievement



Arnav Sharma and Rudresh Kurhe, final year students of Mechanical Engineering Department won the first position in Intelliswift's i-innovate smart hackathon with a prize money of RS 75,000/-.

The team presented a product "light weight smart helmet" originally conceptualized by their mentor Dr Anirban Sur.



Congratulations to the students, mentor and Prof Sararaj Shaikh and Prof Ismail Akhbani for their support and guidance.

Department is proud and encourages innovative and competitive spirit in the students!!!

Alumni Meet

Alumni plays a vital role in nurturing and sustaining the pursuit of excellence over a long time-horizon.

Some glimpses of recent Alumni meet with 2018-22 batch are shared. We are all happy to see you in flying colors and wish you a bright future ahead !!!



Congratulations to Zenab Hussain for being nominated for Bank of Baroda Award for Best in Sports and Gomes Alyssa for Award "Best in Academics"



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