

# GEARHEADS' GAZETTE

Department of Mechanical Engineering, SIT, Pune.

**Magazine 2020-21**



# From the H.O.D's Desk

## 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.



COLONEL (DR)  
ANAND PANDEY

Mechanical Engineering Department has more than twenty highly qualified teaching faculty with specializations in Design, Thermal, Manufacturing and CAD/CAM.

Their research areas include computational fluid dynamics, e-mobility, industry 4.0, 3D printing, advanced composite materials, optimization, lean manufacturing, HVAC systems and more.

The department has fully equipped laboratories like I.C. Engines lab, Strength of Materials lab, Theory of Machines lab, CAD lab, Refrigeration / Air Conditioning lab, Heat Transfer lab, Automobile Engineering lab, workshop and others.

# VISION AND MISSION

## TRENDING THIS SEMESTER

EXPERT TALKS

ALUMNI MEET  
2021

COMMENDABLE  
PLACEMENTS

## VISION

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## MISSION

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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



**SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT)**  
Constituent of SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

## ProTech 2021

*Discover. Project. Disrupt.*

- Project • Paper • Poster
- Idea Competition for Diploma Students

📍 **Venue:** Symbiosis Institute of Technology, Pune

📅 **7<sup>th</sup> & 8<sup>th</sup> May, 2021**

Total Prize Worth  
**INR 1,00,000**

**REGISTER NOW**

The Symbiosis Institute of Technology proudly hosted ProTech 2021, a national-level technical project event and exhibition open to all diploma students across various disciplines. This prestigious event aimed to showcase student talent in the form of projects, papers, posters, and even innovative ideas.

The competition attracted impressive participation, with over 180 teams and 600+ participants representing diverse fields like civil engineering, mechanical engineering, electronics & telecommunication engineering, computer science engineering, and information technology. Participants hail from various regions across India, showcasing the event's national reach.

For thorough evaluation, ProTech 2021 assembled a panel of over 100 evaluators from various diploma institutes across the country, who collaborated with senior faculty at SIT to meticulously assess the presented projects and ideas. The event boasted a total prize value of INR 1,00,000/-, offering significant recognition and motivation to outstanding participants.

# INDUSTRY CONNECT



Symbiosis Institute of Technology was privileged to have one of our country's renowned scientists Dr. R A Mashelkar visiting our laboratories and interacting with our faculties. Dr. Mashelkar appreciated the research carried out at the University and spoke about breaking barriers between engineering and medicine....SIT students and faculty were truly motivated by his words and will continue to make remarkable achievements!

# EXPERT TALKS

**Demystifying Design Thinking**

**Arne van Oosterom**  
Founder:  
DesignThinkers Group &  
Blue Sky Republic  
Netherlands  
**SPEAKER**

**Ismail Akbani**  
Chapter Director  
Startup Grind SIT  
**MODERATOR**

**19th July**  
**19:30 IST**  
**ONLINE EVENT**  
REGISTER NOW  
[tinyurl.com/DTwithArne](https://tinyurl.com/DTwithArne)

**startup grind**  
SYMBIOSIS INSTITUTE OF TECHNOLOGY, IN  
[startupgrind.com/symbiosis-institute-of-technology/](https://startupgrind.com/symbiosis-institute-of-technology/)

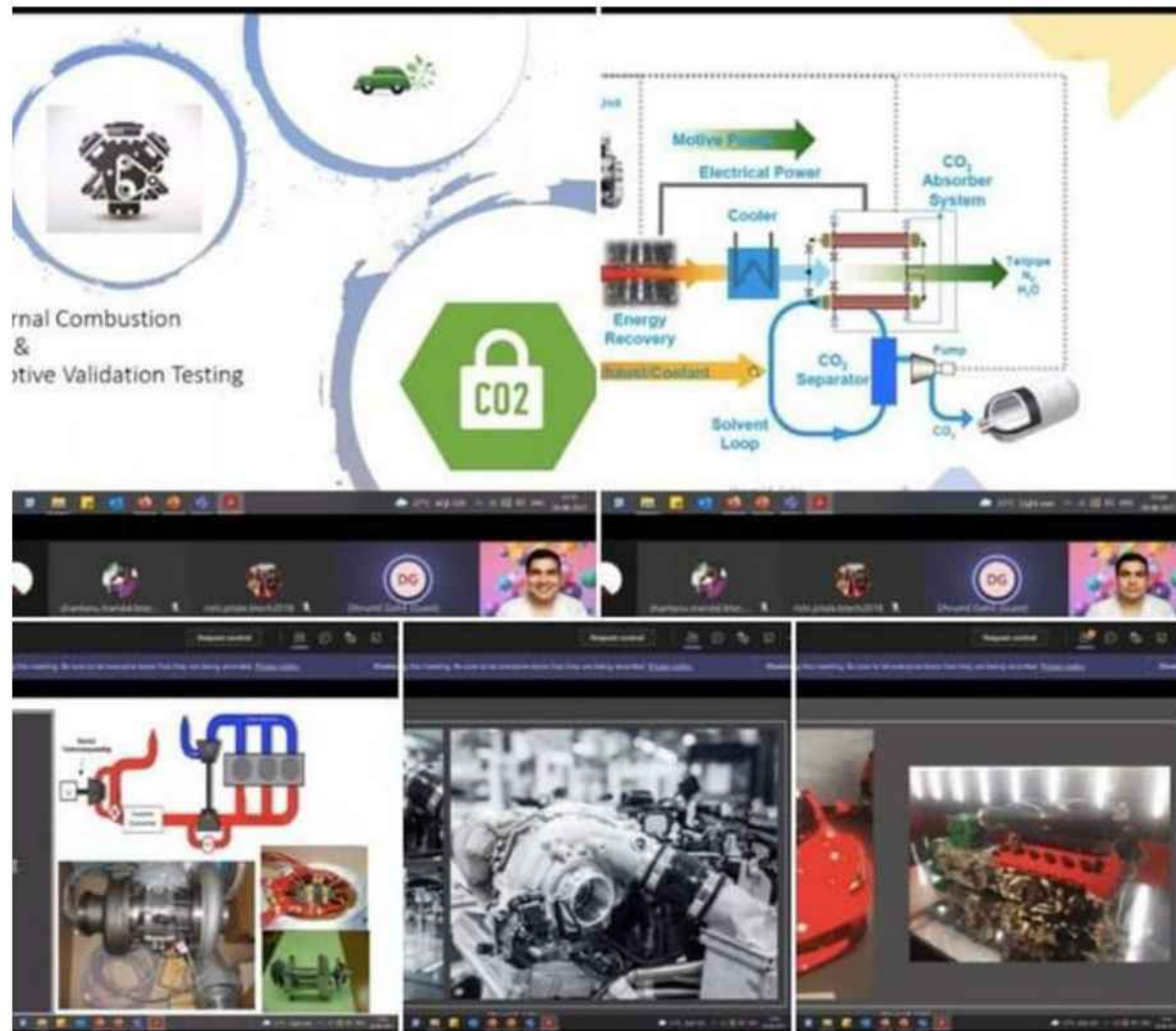
**Our Partners**

INSTITUTION'S INNOVATION COUNCIL  
 EPIC  
 SCEI

Excitement buzzes around the launch of Startup Grind's newest chapter at SIT Pune (@startupgrindsitpune)! The inaugural event features a fireside chat with design thinking expert Arne Van Oosterom, hailing from the Netherlands. Moderated by Professor Ismail Akbani (@maverickismail), this session promises to "Demystify Design Thinking" for aspiring entrepreneurs and innovators.

Arne, through his ventures DesignThinkers Academy and Blue Sky Republic, boasts over 20 years of experience guiding innovators and entrepreneurs worldwide. He has equipped companies like Coca-Cola, Philips, SAP, and L'Oreal with the "nuts & bolts" of design thinking through strategic and service design expertise. Expect a dynamic exchange packed with insights and practical applications, setting the stage for a thriving Startup Grind community at SIT Pune.

# EXPERT TALKS



On August 28th, 2021, the Symbiosis Institute of Technology (SIT) hosted a captivating talk by Mr. Dhrumil Gohil, a B.Tech. Mechanical Engineering alumnus and current Validation Engineer at SGS India. Titled "Advanced Clean I.C. Engine Technologies and Overview of Automotive Validation Testing," the talk explored cutting-edge advancements in sustainable engine technology and the rigorous testing processes ensuring automotive performance and quality.

Mr. Gohil, leveraging his industry expertise, shed light on various clean engine technologies such as emission control systems, alternative fuels, and fuel efficiency enhancements. He delved into the intricacies of automotive validation testing, outlining the essential procedures that guarantee vehicle safety, reliability, and compliance with regulations.

This insightful session provided valuable insights for students, faculty, and industry professionals alike. Mr. Gohil's engaging presentation, coupled with his practical experience, sparked thought-provoking discussions and ignited interest in the ever-evolving landscape of clean and efficient automobiles. SIT expresses its sincere gratitude to Mr. Gohil for sharing his knowledge and expertise with the community, ultimately inspiring future generations of engineers to contribute to a more sustainable future.

# MECHRONOS '21



The Mechchronos 2021 Techfest, organized by the student committee MESA, was a dynamic showcase of innovation and creativity. Featuring a diverse array of events, including Tinker Art, Skrull Invade Meme War, and Quizo Rama, the festival offered participants opportunities to explore various facets of technology and culture. Attendees engaged in spirited competition, vying for exciting prizes across the spectrum of events.

Mechchronos fostered an atmosphere of collaboration and excitement, where students could showcase their talents and exchange ideas. With its blend of tech-driven challenges and artistic expression, Mechchronos 2021 was a memorable celebration of ingenuity and community spirit.

# ALUMNI MEET '21



The Symbiosis Institute of Technology (SIT) held a virtual alumni meet on October 23rd, organized by the Alumni Team. This event served as a platform for past students to reconnect with their alma mater, fellow alumni, and the larger SIT community.

Recognizing the pivotal role alumni play in shaping the institute's success, SIT organized this gathering as a gesture of appreciation. The virtual meet provided an opportunity for past students to reminisce about their time at SIT, share updates on their personal and professional journeys, and forge new connections within the ever-expanding network.

Held via WebEx, the event attracted a significant number of alumni who participated enthusiastically. Filled with nostalgia, laughter, and updates, the virtual meet proved to be a resounding success. SIT expresses its gratitude to all alumni who participated and contributed to making the event a memorable one.

# PLACEMENTS



SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT)  
Constituent of SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

## B.Tech. Placements

Mechanical Students (2018-22) batch placed in



# Deloitte.



Zenab Hussain Bandoorkwala



Jeetesh Sharma



*Congratulations!*

We are proud to announce that our B.Tech students of CS, IT, ENTC and Mechanical branch of batch 2022, Mr. Priyanshu Meena, Ms. Gumpalli Krishna Madhuri, Ms. Ria Gohel, Mr. Jai Gupta, Ms. Srishti Gupta, Ms. Sri Venkata Neelima Chinta, Ms. Soumya Shrenee, Mr. Deva Chaitanya Sanakkayala, Ms. Tanvi Pathak, Ms. Pragya Mandloi, Ms. Shruti Bagrodia, Ms. Sejal Shrestha, Ms. Namya Kumar, Ms. Girija Soni, Ms. Ankita Mondal, Ms. Ria Singh, Ms. Ayushi Verma, Ms. Vaishnavi Deshpande, Ms. Muskaan Jitendra Agrawal, Ms. Aashna Gupta, Mr. Vidur Sood, Ms. Stuti Choudhary, Mr. Sainath Shravan Lingala, Ms. Aarya Raikar, Ms. Ishita Maheshwari, Ms. Vaishnavee Chaurasia, Ms. Chetna, Ms. Neetika Bhandari, Ms. Rhea Sawant, Ms. Kritika Gupta, Mr. Jeetesh Sharma and Ms. Zenab Hussain Bandoorkwala got placed in Deloitte. Heartiest congratulations and all the best for your future endeavours!

# PLACEMENTS



SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT)  
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*BTech Placements*

Placed in



*Package: 5 LPA*



*Ayush Verma*

Mechanical Batch of 2022

*Congratulations!*

B.Tech. Mechanical Engineering student Ayush Verma (batch 2022) soared to success, landing a placement at Atomberg with a 5 LPA package! SIT extends congratulations and best wishes for his exciting future!



# WWR'S EXCITING ACHIEVEMENT

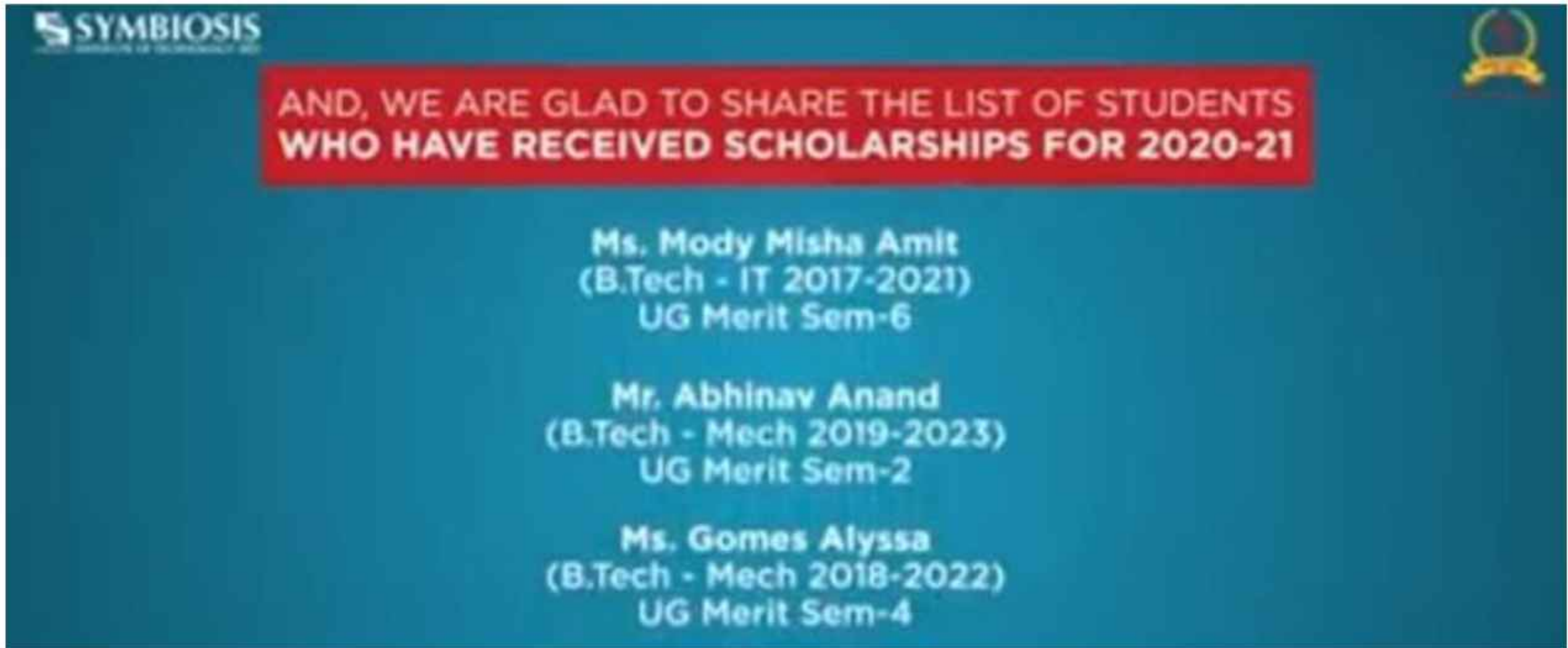


Wrench Wielders Racing Electric, the Formula Student team of Symbiosis Institute of Technology, clinched the top spot in the electric vehicle category of the virtual design competition hosted by the Fraternity of Mechanical and Automotive Engineers (FMAE) on March 28th, 2021.

The competition demanded a comprehensive design of an electric vehicle and its subsystems, alongside the submission of a detailed engineering design report covering various aspects including vehicle dynamics, electrical systems, powertrain, driver interface coding, and data acquisition.

Comprising 29 members from Mechanical, Electronics, and CS/IT departments, the team excelled in showcasing their expertise and innovation.

# STUDENT ACHIEVEMENTS



Applauding academic brilliance, SIT proudly awarded scholarships to 25 exceptional students. Two bright stars from Mechanical Engineering stood out, their names Mr. Abhinav Anand and Ms. Alyssa Gomes, their relentless hard work and dedication now etched in the halls of achievement. These scholarships are a testament to their tireless efforts, an inspiration to their peers, and a promise of future excellence. SIT extends its heartfelt congratulations to all recipients, wishing them continued success on their academic journeys!

# THE EDITORIAL TEAM

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