



VASAVI COLLEGE OF ENGINEERING(A)

9-5-81, Ibrahimbagh, Hyderabad, Telangana 500031, India

Event : ASME (India)

Date: 16th, 17th, 18th January 2026

Place: LNMIIT, Jaipur, Rajasthan

Number of students participated : 47

ASME India – Event & Achievements

ASME India (American Society of Mechanical Engineers – India) conducts national-level technical competitions that provide students with a platform to showcase innovation, engineering design, and technical communication skills. These events encourage practical problem-solving, interdisciplinary collaboration, and industry-relevant engineering practices.

During our participation in ASME India competitions, our teams demonstrated strong

- **Innovation Award in E-HVPE with a cash prize of USD 500**
- **Second Prize in the Oral Presentation Competition USD 300**
- **Third Prize in the Oral Presentation Competition USD 150**

These achievements reflect our teams' commitment to innovative engineering solutions, effective technical communication, and continuous learning at a national competitive level.



Achievement in Oral Competition at ASME India

Date: 17th January 2026

Place: LNMIIT, Jaipur, Rajasthan

The team participated in the Oral Presentation Competition conducted under ASME India, which evaluated participants on technical understanding, clarity of explanation, innovation, and presentation skills.

The presentations focused on clearly communicating engineering concepts, design methodologies, and technical justifications while responding effectively to judges' questions. Emphasis was placed on structured content delivery, logical flow, and confident articulation of ideas.

Through strong preparation and effective teamwork, the team demonstrated a clear understanding of the subject matter and the ability to present complex engineering concepts in a concise and impactful manner. The technical depth and presentation quality were appreciated by the judges.

As a result of this performance, the team was awarded **Second Prize** and **Third Prize** in the Oral Presentation Competition, reflecting excellence in technical communication and engineering knowledge.

Participation in this competition further strengthened the team's confidence, presentation skills, and ability to represent technical work at a national level.

We sincerely thank our Faculty Coordinator– **Dr. P. V. S. Subhashini** for her guidance throughout the project, and to our Head of Department – **Dr. T. Ramamohan Rao** and Principal – **Dr. S. V. Ramana** for providing us the opportunity and support to participate in this event. We also express our gratitude to **ASME (India)** and the **LNMIIT organizing team** for providing a national-level platform that promotes learning, creativity, and engineering excellence.



Journey of Team **Robo Forge** and **Aero Nexus** at ASME IAM3D – Jaipur

“Built with vision. Tested with resilience.”

Date: 16th, 17th, 18th January 2026

Place: LNMIIT, Jaipur, Rajasthan

Team **Robo Forge** and Team **Aero Nexus** participated in the **ASME (India) Iterative Additive Manufacturing 3D Challenge (IAM3D)** held at **LNMIIT, Jaipur**, representing our institution with enthusiasm and strong technical commitment. Both Team Robo Forge and Team Aero Nexus entered this competition with a focus on innovation, performance optimization, and real-world system validation.

For this edition of IAM3D, **Team Robo Forge** and **Team Aero Nexus** designed and developed **two independent robotic systems**, addressing different engineering approaches to mobility, manipulation, and additive manufacturing-driven design. The challenge emphasized iterative design, system integration, and reliable operation under competitive constraints.

Team Robo Forge and **Team Aero Nexus** comprised members from **Mechanical Engineering, Electronics and Communication Engineering, and Information Technology**, working collaboratively across design, fabrication, electronics, and testing domains. The coordinated teamwork between **Team Robo Forge** and **Team Aero Nexus** ensured timely completion and effective performance of both robotic platforms.

Team Robo Forge focused on developing a robust ground-based robotic system emphasizing mechanical strength, stability, and controlled motion. The design featured a modular chassis, optimized drivetrain, and additively manufactured components designed for durability and reliability.

Team Aero Nexus developed a lightweight and agile robotic system with emphasis on structural efficiency, precise control, and compact design, pushing the team to explore advanced design constraints and material optimization.

All major mechanical components developed by **Team Robo Forge** and **Team Aero Nexus** were **3D-printed** using carefully selected materials based on strength, flexibility, and print accuracy. Design development and validation were carried out using:

- **SolidWorks** for 3D modeling and assembly
- **ANSYS** for structural and performance evaluation

The electronics and control systems for both **Team Robo Forge** and **Team Aero Nexus** were implemented using microcontrollers, motor drivers, and wireless communication modules, enabling smooth coordination and responsive control. Multiple testing iterations were performed to evaluate mobility, load handling, and system stability under competition-like conditions.

During the competition, the robots developed by **Team Robo Forge** and **Team Aero Nexus** performed reliably and met the functional objectives of the challenge. Although **Team Robo Forge** and **Team Aero Nexus** did not secure a prize in this edition, the experience offered valuable insights into design refinement, endurance limitations, real-time troubleshooting, and system optimization. Participation in **ASME IAM3D Jaipur** served as an important learning milestone for **Team Robo Forge** and **Team Aero Nexus**. The competition strengthened the teams' understanding of **iterative design processes, additive manufacturing workflows, interdisciplinary collaboration, and practical engineering problem-solving**. The challenges faced during the event highlighted opportunities for improvement and future innovation.

Team Robo Forge and **Team Aero Nexus** sincerely thank our Faculty Coordinator– **Dr. P. V. S. Subhashini** for her guidance throughout the project, and to our Head of Department – **Dr. T. Ramamohan Rao** and Principal – **Dr. S. V. Ramana** for providing us the opportunity and support to participate in this event. We also express our gratitude to **ASME (India)** and the **LNMIIT organizing team** for providing a national-level platform that promotes learning, creativity, and engineering excellence.

The experience at IAM3D Jaipur has further motivated **Team Robo Forge** and **Team Aero Nexus** to refine their designs, enhance technical expertise, and approach future competitions with greater confidence and determination.



Achievement of Team Vulcan at E-HVPCE

"Innovation driven by sustainability and engineering excellence."

Event: E-HVPCE (Electric-Hybrid Vehicle Project & Competition Event)

Achievement: Prize for Innovation

Date: 16th, 17th, 18th January 2026

Place: LNMIIT, Jaipur, Rajasthan

Team Vulcan participated in the **E-HVPCE competition**, a technical event focused on the design, development, and evaluation of innovative electric and hybrid vehicle solutions. The competition aimed to promote sustainable mobility while testing students' abilities in vehicle design, system integration, and innovation-oriented engineering.

For this competition, **Team Vulcan** designed and developed an **innovative vehicle**, with a strong emphasis on originality, efficiency, and practical implementation. The primary objective of the project was to introduce a novel engineering concept that addresses real-world transportation challenges through sustainable and technically feasible solutions.

Team Vulcan consisted of students from **Mechanical Engineering** and **allied disciplines**, working collaboratively across vehicle design, structural development, powertrain planning, electronics integration, and testing. The team followed a structured design process involving ideation, justification of concepts, iterative development, and performance validation.

The vehicle incorporated several **innovative features** that differentiated it from conventional designs. Key engineering decisions were justified based on:

- Improved **energy efficiency**
- Optimized **weight distribution**
- Enhanced **structural safety**
- Practical application of **sustainable technology**

Computer-aided design and iterative prototyping were employed to refine the vehicle architecture and validate design feasibility.

Computer-aided design and iterative prototyping were employed to refine the vehicle architecture and validate design feasibility.

All major design work carried out by **Team Vulcan** was supported using:

- **SolidWorks** for 3D modeling and assembly
- Engineering calculations and basic simulations to evaluate performance and reliability

Multiple testing and refinement cycles were conducted to ensure that the vehicle satisfied functional, safety, and innovation criteria defined by the competition.

During the evaluation phase, the vehicle developed by **Team Vulcan** was recognized for its **innovative concept, originality in design, and strong engineering justification**. The judges appreciated the team's approach toward sustainable mobility, and **Team Vulcan was awarded the "Prize for Innovation" at E-HVPCE**.

Participation in **E-HVPCE** proved to be a significant learning experience for **Team Vulcan**, strengthening the team's understanding of **vehicle design principles, innovation-driven engineering, sustainability, and teamwork**. The recognition received further motivated the team to pursue advanced technical projects and participate in future competitions.

Team Vulcan sincerely thanks our Faculty Coordinator– **Dr. P. V. S. Subhashini** for her guidance throughout the project, and to our Head of Department – **Dr. T. Ramamohan Rao** and Principal – **Dr. S. V. Ramana** for providing us the opportunity and support to participate in this event. We also express our gratitude to **ASME (India)** and the **LNMIIT** organizing team for providing a national-level platform that promotes learning, creativity, and engineering excellence

This achievement stands as a proud milestone for Team Vulcan and inspires the team to continue developing impactful engineering solutions.



Participation of **Team Zenith** & **Team Sprocket** at SDC

"Experience gained, lessons learned, progress achieved."

Event: SDC (Student Design Challenge)

Date: 16th, 17th, 18th January 2026

Place: LNMIIT, Jaipur, Rajasthan

Team Zenith and **Team Sprocket** participated in the **Student Design Challenge (SDC)**, a technical competition designed to evaluate students' ability to design, analyze, and implement engineering solutions within specified constraints. The competition emphasized **innovation, teamwork, problem-solving, and practical application of engineering principles**.

For this competition, **Team Zenith** and **Team Sprocket** undertook the complete engineering design process, starting from concept generation to implementation and presentation. The primary objective was to develop a functional and technically sound solution that satisfied the competition requirements while maintaining feasibility and efficiency.

Team Zenith and **Team Sprocket** comprised students from **Mechanical Engineering** and **allied disciplines**, enabling an effective collaborative approach. Responsibilities were systematically divided among concept development, design justification, CAD modeling, fabrication, testing, and documentation.

The design process involved brainstorming multiple concepts, followed by evaluation based on feasibility, performance, and compliance with the competition guidelines. Design decisions were justified using engineering reasoning, calculations, and iterative improvements. Computer-aided design tools were used to visualize and refine the system before fabrication.

Prototyping and testing were conducted to assess system performance and identify limitations. Several technical and time-related challenges were encountered during development, providing valuable learning opportunities and guiding design refinements.

Although **Team Zenith** and **Team Sprocket** did not secure a prize at SDC, participation in the competition offered significant exposure to real-world engineering problem-solving, teamwork under pressure, and technical communication. The experience helped the team recognize areas for improvement in design optimization, testing strategies, and execution planning.

Participation in SDC contributed meaningfully to the technical growth of **Team Zenith** and **Team Sprocket**, strengthening understanding of design workflows, innovation under constraints, and collaborative engineering practices. The lessons learned will serve as a strong foundation for future competitions and academic projects.

Team Zenith and Team Sprocket sincerely thanks our our Faculty Coordinator– **Dr. P. V. S. Subhashini** for her guidance throughout the project, and to our Head of Department – **Dr. T. Ramamohan Rao** and Principal – **Dr. S. V. Ramana** for providing us the opportunity and support to participate in this event. We also appreciate the efforts of the SDC organizing committee for providing a platform that encourages learning and technical development.

This experience reflects Team Zenith's commitment to continuous improvement and professional growth, regardless of competitive outcomes.





The following Students have represented Vasavi College of Engineering as at ASME(India) LNMIIT, Jaipur, Rajasthan. So please provide attendance for the following people from 19th January to 23rd February

4th Year

S.no	Name	Roll.No.	Year	Branch
1.	Bommisetty Hemanth Gupta	1602-22-736-047	4	Mechanical
2.	A. Someshwara Kartheek	1602-22-736-029	4	Mechanical
3.	R. Sai Karthik	1602-22-736-308	4	Mechanical
4.	B. Anish Kumar	1602-22-736-002	4	Mechanical
5.	G. Bhavani chauhan	1602-22-736-044	4	Mechanical
6.	Bheri Giridhar Kartikeya	1602-22-736-046	4	Mechanical
7.	K. Manipavan Teja	1602-22-736-058	4	Mechanical
8.	CH. Swathi	1602-22-736-304	4	Mechanical
9.	B. Harshavardhan	1602-22-736-314	4	Mechanical
10.	P. Aravind Goud	1602-22-736-321	4	Mechanical
11.	Md. Wasif	1602-22-736-324	4	Mechanical
12.	V. Hari teja	1602-22-736-333	4	Mechanical
13.	P. Jaya chandra	1602-22-736-335	4	Mechanical
14.	K. Sathya Sheela Reddy	1602-22-736-337	4	Mechanical
15.	Anshika Yadav	1602-22-736-338	4	Mechanical
16.	V. Sanjay	1602-22-736-339	4	Mechanical
17.	T. Tharun	1602-22-736-341	4	Mechanical

3rd year

S.no	Name	Roll.No.	Year	Branch
1.	M. Vedik Raj	1602-23-735-188	3	ECE
2.	K. Akash	1602-23-736-003	3	Mechanical
3.	K. Anirudh	1602-23-736-007	3	Mechanical
4.	Chaitanya	1602-23-736-012	3	Mechanical
5.	Ch. Haritha	1602-23-736-013	3	Mechanical
6.	B. Kaumudi	1602-23-736-015	3	Mechanical
7.	P.V. Kiranmai	1602-23-736-016	3	Mechanical
8.	A. Manish Madhav	1602-23-736-018	3	Mechanical
9.	Hassan Shareef	1602-23-736-021	3	Mechanical
10.	P. Rishitha	1602-23-736-028	3	Mechanical
11.	E. Jotsna	1602-23-736-029	3	Mechanical
12.	K. Sai Shivani	1602-23-736-030	3	Mechanical
13.	K. Vashishta	1602-23-736-031	3	Mechanical
14.	H.Sanjay	1602-23-736-032	3	Mechanical
15.	S. Siri laxmi	1602-23-736-040	3	Mechanical
16.	Snehal Arya Bantu	1602-23-736-041	3	Mechanical
17.	M. Sukumar	1602-23-736-045	3	Mechanical
18.	Panthula Hasini	1602-23-736-306	3	Mechanical
19.	C. K. Rohan	1602-23-736-315	3	Mechanical

2nd year

S.no	Name	Roll.No.	Year	Branch
1.	A. Ashritha	1602-24-736-001	2	ECE
2.	B. Amogh Sai	1602-24-736-002	2	Mechanical
3.	B. Kartikeya	1602-24-736-017	2	Mechanical
4.	Lakshmi Shanmukha Valli Mankala	1602-24-736-020	2	Mechanical
5.	A. Meghana	1602-24-736-022	2	Mechanical
6.	M. Raju	1602-24-736-035	2	Mechanical
7.	K. Sai Vandhitha	1602-24-736-044	2	Mechanical
8.	K. Varun	1602-24-736-055	2	Mechanical
9.	V.V.S. Ganesha	1602-24-736-057	2	Mechanical
10.	D. Gopal Reddy	1602-24-737-138	2	Mechanical
11.	C. Sathvik	1602-24-737-170	2	Mechanical