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Department of Mechanical Engineering

**Report on
“Project Competition”**

Organized under ISTE in association with MESA (Mechanical Engineering Student Association)

Date: 17/04/2026

1. Introduction

The Mechanical Engineering Department of VPKBIET, Baramati (VPKBIET) successfully organized a Project Competition for Final Year students on 17th April 2026. The event was conducted under the aegis of ISTE in association with MESA (Mechanical Engineering Student Association).

The competition was aimed at providing a formal platform for students to present their final year projects, demonstrate their technical knowledge, and exhibit innovative engineering solutions to real-world problems.



2. Objectives of the Event

The key objectives of organizing the project competition were:

- To encourage innovation and creativity among final year students.
- To provide exposure to practical implementation of engineering concepts.
- To enhance presentation, communication, and technical articulation skills.
- To promote interdisciplinary thinking and problem-solving abilities.
- To create a competitive yet collaborative academic environment.

3. Event Planning and Coordination

The event was systematically planned and executed with the active involvement of faculty members and the MESA student committee lead by Dr. P. N. Jaiswal & Dr. H. P. Borate. Proper scheduling, allocation of presentation slots, and arrangement of evaluation criteria ensured the smooth conduct of the competition.

Participants were informed in advance regarding the evaluation parameters, presentation format, and time limits, enabling them to prepare effectively.

4. Participation Details

Final Year Mechanical Engineering students participated enthusiastically in the competition in groups. A wide variety of projects were presented, covering domains such as:

- Design and Development
- Automation and Robotics
- Thermal Engineering Applications
- Manufacturing and Production Systems

Each group demonstrated their project using models, prototypes, presentations, and in some cases, working systems. The diversity of topics reflected the students' ability to apply theoretical knowledge to practical engineering challenges.

5. Evaluation Criteria and Judges

The evaluation of the projects was carried out by esteemed judges **Mr. Sagar Nazirkar Sir** and **Dr. Amitkumar Shelar**, who brought valuable academic and industry-oriented perspectives to the assessment process.

Projects were judged based on the following criteria:

- Innovation and originality of the idea
- Technical depth and engineering analysis
- Design methodology and execution
- Practical feasibility and real-world application
- Presentation skills and clarity of explanation
- Ability to answer questions during interaction

The judges also interacted with each team, providing constructive feedback and suggestions for improvement, which added significant learning value for the participants.

6. Results and Prize Distribution

After careful evaluation and deliberation, the top-performing teams were awarded as follows:

Result	Group Number	Name of the student	Project Guide	Topic
WINNER	15	SASTE SNEHA	Dr. A. H . Kolekar	Hydraulic Automation of Digital Twin in Elevators with face Recognition
		KADAM PAYAL		
		TAMBOLI ALFIYA		
		MORE PRATIMA		
1 st RUNNER-UP	7	JADHAV NIKHIL	Mr. D. D. Rupnawar	Dynamic Wireless Charging for Electrical Vehicle
		VAYAL PRATIK		
		TAWARE ABHIJEET		
2 nd RUNNER-UP	9	KHARTODE GIRISH	Dr, H. P. Borate	Design & Fabrication of Micro Channels / Molds Using PCM
		JUIKAR SARVESH		
		BARBAR NILESH		



Winner – Prize money of ₹3000, 1st and 2nd Runner-Up – Prize money of ₹750 for each group

The winners were appreciated for their exceptional innovation, technical execution, and presentation skills.

7. Learning Outcomes

The project competition proved to be highly beneficial for students in multiple ways:

- Enhanced confidence in presenting technical work before experts
- Improved understanding of practical engineering challenges
- Exposure to diverse project ideas and peer learning
- Development of communication and teamwork skills
- Motivation to pursue innovation and research-oriented thinking

8. Overall Impact

The event served as an effective platform to bridge the gap between theoretical learning and industrial application. It also encouraged students to think beyond conventional academic boundaries and develop solutions with real-world relevance.

9. Conclusion

The Project Competition was conducted successfully with enthusiastic participation from students and dedicated support from faculty members and MESA. The Mechanical Engineering Department expressed its sincere gratitude to the judges for their valuable time, insightful evaluation, and guidance.



The event concluded on a positive and inspiring note, contributing significantly to the academic, technical, and professional development of the students.