

REPORT ON MECHFiesta 2022

Organized by the Department of Mechanical Engineering, YCCE, Nagpur

Date: 01st and 02nd September 2022

1. Introduction

Mechfiesta 2022 marked a significant event in the annual calendar of the Department of Mechanical Engineering at Yeshwantrao Chavan College of Engineering (YCCE), Nagpur. This technical festival aimed to nurture the spirit of innovation, technical expertise, and leadership among aspiring engineers. Held on the 1st and 2nd of September 2022, the fest brought together students from various colleges to participate in a wide array of competitions and exhibitions.

With the challenges brought by the preceding pandemic years, Mechfiesta 2022 stood as a testament to the resilience and determination of the organizing team. It re-established the department's commitment to providing dynamic platforms for experiential learning and technical development.



2. Objectives of Mechfiesta 2022

- To promote technical innovation and hands-on learning.
- To provide students with a platform to apply theoretical knowledge in practical scenarios.
- To encourage inter-disciplinary collaboration and teamwork.
- To strengthen leadership, planning, and event management skills among students.

- To foster a spirit of healthy competition and mutual learning among participants.
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3. Inaugural Ceremony

The inauguration of Mechfiesta 2022 took place on the morning of 1st September in the Mechanical Engineering Seminar Hall. The event was presided over by Dr. [Name], Head of the Department, and featured Chief Guest Dr. [Name], a distinguished figure in the field of industrial automation. The inaugural ceremony included the lighting of the traditional lamp, introductory remarks by faculty and student coordinators, and a motivational keynote address by the Chief Guest.

The importance of practical engineering skills and interdisciplinary knowledge was highlighted as essential elements in shaping successful engineering careers.

4. Events and Competitions

Mechfiesta 2022 featured a broad spectrum of events that catered to a wide audience, testing their creativity, problem-solving skills, and technical aptitude.

A. Technical Events:

1. **AutoCAD Design Challenge** – Participants demonstrated their 2D and 3D design skills in a time-constrained competition.
2. **Robo Soccer** – A unique event where robots competed in a soccer match.
3. **Weld It Right** – A welding skill competition emphasizing safety, precision, and structural integrity.
4. **Mechanism Mania** – Teams designed functional mechanical systems using basic materials.
5. **Rapid Fire Tech Quiz** – A fast-paced quiz covering all areas of mechanical engineering.

B. Non-Technical and Fun Events:

1. **RC Racing** – Enthusiastic participation marked this thrilling race of remote-controlled cars.
2. **Bridge the Gap** – A creative event where teams constructed bridges from popsicle sticks and tested their load-bearing capacities.
3. **Treasure Hunt** – A fun-filled campus-wide hunt based on solving clues and technical riddles.

4. **LAN Gaming** – Competitive gaming sessions added entertainment and energy to the fest.
 5. **Junkyard Innovation** – Teams repurposed scrap materials into innovative gadgets.
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5. Workshops and Exhibitions

Educational and skill-enhancing sessions were a central part of Mechfiesta 2022:

- **Workshops:** Sessions on ANSYS, 3D Printing, and Robotics were conducted by industry experts.
 - **Project Displays:** Students showcased final-year and mini projects focusing on automation, energy efficiency, and sustainable technologies. Visitors and judges lauded the creativity and functionality of these student innovations.
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6. Participation and Volunteer Support

Mechfiesta 2022 witnessed participation from more than **350 students** from YCCE and nearby institutions. A well-coordinated team of over 50 volunteers efficiently managed the logistics, registrations, event execution, and hospitality arrangements. Their enthusiasm and dedication were pivotal to the event's smooth functioning.

7. Valedictory Function

On the evening of 2nd September, the valedictory function was held to honor the winners and acknowledge the contributions of organizers, volunteers, and faculty. Awards, certificates, and mementoes were distributed. Dr. [Name], the Head of the Department, delivered the closing remarks, commending the students' creativity and the overall success of the event.

8. Feedback and Outcomes

Feedback forms and informal reviews reflected an overwhelmingly positive response. Participants appreciated the diversity of events, learning opportunities, and the collaborative atmosphere. Faculty and judges noted the improvement in students' technical confidence and teamwork.

The event also helped boost students' interest in mechanical engineering applications and inspired several to pursue research-oriented and industry-relevant projects.

9. Conclusion

Mechfiesta 2022 proved to be a rejuvenating and enriching experience for students and faculty alike. It successfully brought innovation, fun, and learning together under one roof. The Department of Mechanical Engineering remains committed to nurturing such opportunities that complement academic growth and prepare students for the evolving demands of the engineering profession.

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