

TechFusion 2023 @ SME, KIIT - Challenge and Expo

Organized by: School of Mechanical Engineering, KIIT

Date of Event: 18-11-2023

Venue: Campus-8, School of Mechanical Engineering, KIIT

The School of Mechanical Engineering (SME), KIIT is holding a project competition cum expo named as *TechFusion 2023 @ SME, KIIT - Challenge and Expo* for the students of SME. The event is aimed at nurturing the engineering acumen amongst the students of the School. The problem statements, addressing real life social/industrial concern, shall be assigned to each participating team by the event coordinators. All the participants will be required to develop plausible, innovative and cost effective solutions using sensors, actuators, controllers, mechanical linkages etc. The event will be having two components:

- a) **Challenge:** It refers to a project competition. All the developed projects will be subjected to rigorous scrutiny and evaluation by a team of experts. All the projects would be ranked by experts on the basis of fixed criteria.
- b) **Expo:** It refers to an exhibition of the developed projects. The projects display would be open to all the faculties and students (including faculties/students from other departments)

Terms and Conditions for TechFusion 2023 - Challenge

1. Project Eligibility:

All project submissions must be entirely new and original work. Participants are strictly prohibited from presenting any previously developed projects, ensuring that all entries are fresh and innovative.

2. Team Composition:

Each participating team may consist of up to **two members**. However, it is mandatory that at least one team member is currently enrolled in the School of Mechanical Engineering, KIIT i.e. Mechanical Engg., Automobile Engg., Mechatronics Engg., and Aerospace Engg.

3. Project Requirements:

Projects submitted for the competition must fulfill the following criteria. The projects must:

- **Address a real and significant social issue or problem:** The project should have a clear, practical application that contributes to solving a pressing social concern.
- **Showcase innovation:** Projects should demonstrate inventive and original solutions to the identified problem, utilizing basic technologies and components like sensors, actuators, and controllers (e.g., Arduino etc.).
- **Utilize readily available components:** The use of commonly accessible and affordable components is encouraged, reflecting the idea that impactful solutions can be achieved with simple technology.
- **All the participating teams are required to select one project of their choice from the list provided in the registration form.**

4. Registration:

To participate in the competition, each team is required to complete the official registration form provided. Registration must be completed and submitted before the specified deadline, ensuring that all teams are properly accounted for and eligible for the competition.

5. Awards:

- Prizes will be awarded to the top three projects based on their innovation, impact, and technical excellence.
 - a) Rs. 12,000.00 as the first prize
 - b) Rs. 10,000.00 as the second prize
 - c) Rs. 8,000.00 as the third prize
- The awards will consist of cash rewards and trophies, serving as both recognition and an incentive for the winning teams.
- In addition to the top three projects, all participating teams will be honored with a participation certificate, acknowledging their valuable contributions to the event and encouraging further innovation.

These comprehensive terms and conditions are established to maintain the integrity of the competition, inspire innovative solutions to societal problems, and promote fair participation among the students at KIIT.

Terms and Conditions for TechFusion 2023 - Expo

The **TechFusion** extends its platform beyond the competition to host an inclusive and dynamic Expo, which is open to all, creating a vibrant marketplace of ideas, innovations, and opportunities.

Participation for Registered Contestants:

- All the contestants registered for the competition would be eligible for showcasing their project in the Expo. The Expo provides an inclusive space for all participants of the event, enabling them to showcase their projects and innovations. Regardless of competition results, every participating team is invited to exhibit their work at the Expo and receive a certificate of participation. This opportunity serves to recognize the dedication and effort put forth by all participants.

Open to the Public for display:

- The Expo at **TechFusion** is not limited to participants alone. It is open to the general public, inviting students, faculty, and enthusiasts from various disciplines to explore the cutting-edge projects on display. This open environment fosters knowledge exchange and inspires a broader audience to engage with innovative concepts.

Industry Engagement:

The Expo attracts an array of prominent industrialists and business leaders who recognize the potential of these innovations. They actively participate in the event, presenting a range of opportunities, including:

- **Placements:** Top companies seek talent and offer job placements to students with exceptional skills and innovation capabilities.
- **Research Collaborations:** Industry professionals often engage with students and faculty for collaborative research projects, fostering a culture of innovation.
- **Funded Projects:** Opportunities for securing financial support to further develop and implement innovative projects.
- **Collaborative Ventures:** Establishing partnerships and collaborations between industry and academia to advance technological frontiers.
- **Networking:** An ideal platform for networking, mentorship, and knowledge exchange.