AISSMS
COLLEGE OF ENGINEERING
ज्ञानम् सकलजनहिताय
Approved by AICTE, New Delhi, Recognized by Government of Maharashtra
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC
(Id.No. PU/PN/Engg./093 (1992)
Accredited by NAAC with "A+" Grade | NBA - 7 UG Programmes

DEPARTMENT OF ELECTRICAL ENGINEERING

The Institution of Engineers (India)

Fifth Regional Conclave of Students Chapters (Western Region)

Event Rules

Event Name: Project Competition (Hybrid Mode)

- Rules & Regulation

❖ Eligibility

- The competition is open to Diploma, Engineering Students, Faculty Members & Industry Professionals.
- Participants may compete individually or in teams ,Maximum 4 members are allowed.
- Competition is in Hybrid mode (Online+Offline).

❖ Project Tracks

Participants must submit their projects under one of the following themes:

1. **Industry 4.0** – Smart manufacturing, automation, IoT-enabled industries, AI in manufacturing.
2. **Renewable, Sustainability & Green Technology** – Solar, wind, sustainable energy, energy efficiency, environmental solutions.
3. **Robotics & Drones** – Autonomous robots, UAV systems, robotic automation, drone applications.
4. **Semiconductor & Embedded Systems** – Microcontrollers, VLSI concepts, embedded hardware/software systems.
5. **Agritech** – Smart farming, irrigation automation, crop monitoring, agriculture-based innovations.

6. **Health Tech** – Medical devices, healthcare monitoring systems, assistive technologies.

7. **FinTech** – Digital payment solutions, blockchain applications, financial technology innovations.

8. **Defence & Aerospace** – Surveillance systems, defense technologies, aerospace engineering concepts.

9. **Environmental & Water Treatment** - Activated carbon production from agricultural waste (coconut shells, rice husks), wastewater treatment (heavy metal removal), and solar desalination systems.

10. **Automotive & Propulsion -** Design of hybrid vehicles, hoverbikes, electric bikes, and IC engine valve mechanisms.

❖ **Project Requirements**

- The project must be **innovative and developed by the participants**.
- Both **hardware and software-based projects** are allowed.
- A **working model or simulation** is preferred.

❖ **Presentation & Demonstration**

- Each team will be given **8–10 minutes for presentation**.
- **3–5 minutes** will be allotted for **questions and discussion with judges**.
- Teams must clearly explain:
  - Problem Statement
  - Technology Used
  - Working Principle
  - Innovation & Applications

- The **judges' decision will be final and binding**.
- No arguments or appeals regarding results will be entertained.

➢ Faculty Co-ordinator

1.Mrs. V N Tarange (7020214011)
2.Mr. R S Shinde (9021878056)

Students Co-ordinator

1.Vasundhara Nikam (9175612739)
2 Yash Vishwakarma (9823246663)