

ROBOVANTA – PROJECT EXPO RULE BOOK

1. Event Overview

Project Expo provides a platform for students, innovators, researchers, and technology enthusiasts to showcase their innovative projects, prototypes, products, and research work before a panel of judges.

Projects may belong to any engineering, science, technology, robotics, AI, IoT, embedded systems, automation, renewable energy, healthcare, agriculture, or social innovation domain.

2. Team Structure

- Individual or Team Participation Allowed.
 - Team Size: **1–4 Members**
 - Participants can present only one project.
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3. Eligibility

- Open to Diploma, UG, PG, and School Students.
 - Interdisciplinary projects are encouraged.
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4. Project Categories

Projects may belong to:

- Robotics & Automation
- Artificial Intelligence & Machine Learning
- Internet of Things (IoT)
- Embedded Systems
- Electronics & Communication
- Mechanical Engineering
- Renewable Energy
- Healthcare Technology
- Agriculture Technology

- Smart Cities
 - Software Development
 - Research & Innovation
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5. Project Requirements

Participants must bring:

- Working Prototype (Preferred)
- Project Report (Optional)
- Presentation Material
- Laptop (if required)
- Power Extension Board (if required)

Projects must be operational during judging.

6. Evaluation Criteria

Criteria	Marks
Innovation & Creativity	20
Technical Implementation	20
Working Demonstration	20
Problem Solving Impact	15
Presentation Skills	15
Practical Application	10
Total	100

7. Judging Process

Participants will be required to:

1. Explain project objectives.
2. Demonstrate project functionality.

3. Answer judges' questions.
 4. Explain future scope and applications.
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8. Presentation Rules

- Maximum Presentation Time: **5 Minutes**
 - Question & Answer Session: **3 Minutes**
 - Total Evaluation Time: **8 Minutes**
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9. Allowed Projects

- ✓ Hardware Projects
 - ✓ Software Projects
 - ✓ Research Models
 - ✓ IoT Systems
 - ✓ AI Applications
 - ✓ Robotics Projects
 - ✓ Industrial Solutions
 - ✓ Social Impact Innovations
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10. Prohibited Projects

- ✗ Unsafe electrical systems
 - ✗ Hazardous chemicals
 - ✗ Explosive devices
 - ✗ Fire-generating systems
 - ✗ Projects violating legal regulations
 - ✗ Plagiarized projects
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11. Disqualification

A project may be disqualified for:

- False claims regarding functionality.
 - Copying existing projects without acknowledgement.
 - Unsafe operation.
 - Misconduct towards judges or organizers.
 - Violation of event rules.
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12. Safety Guidelines

- Electrical connections must be properly insulated.
 - Batteries must be securely mounted.
 - Moving mechanisms must be safely enclosed.
 - Organizers reserve the right to stop unsafe demonstrations.
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13. Awards


Awards may be presented for:

 Best Project

 Runner-Up

 Second Runner-Up

 Best Innovation Award

 Best Social Impact Project

 Best Technical Design Award

14. General Rules

- Judges' decisions are final.
- Participants must report 30 minutes before evaluation.
- Organizers reserve the right to modify rules if required.
- Participants are responsible for the safety of their equipment.

Event Summary

Parameter	Details
Event Name	Project Expo
Team Size	1–4 Members
Project Type	Hardware / Software / Research
Presentation Time	5 Minutes
Q&A Time	3 Minutes
Judging Criteria	100 Marks
Format	Exhibition & Evaluation

Motto

"Innovate Today, Inspire Tomorrow."