

Criteria to Judge the projects in “Innovation-2k25” National Level Project Competition organized by PES’s College of Engineering, Phaltan on 9th October, 2025.

1. Innovative Technique

This criterion evaluates the originality and novelty of the project. It considers how the project introduces new ways of solving a problem, applying technical skills or use of tools beyond traditional approaches.

What Judges Should Look For:

- Does the project use a unique or original method or approach?
- Has the team developed a new tool, algorithm, or framework?
- Does the innovation offer a clear improvement over traditional method?
- Is the technique applicable or adaptable to other problems or fields?

2. Creativity

This criterion assesses the originality and inventiveness of the project’s ideas, concepts, or solutions. It focuses on how well the project demonstrates out-of-the-box thinking, imaginative problem-solving, and the ability to present ideas in a fresh and compelling way.

What Judges Should Look For:

- Is the idea or concept fresh, unique, or unexpected?
- Is there a creative application of existing technologies or techniques?
- Does the project show imaginative thinking in design, implementation, or presentation?
- Has the team combined ideas or elements in novel ways?
- Does it challenge conventional wisdom or standard practices?

3. Sustainable Solution

This criterion evaluates how well the project addresses sustainability by considering environmental, social, and economic impacts. It looks at whether the solution promotes responsible use of resources, minimizes negative effects, and can be maintained or scaled long-term without harm.

What Judges Should Look For:

- Does the project reduce environmental impact (e.g., lower emissions, less waste, energy efficiency)?
- Is the solution socially responsible, benefiting communities or improving quality of life?
- Does the project use renewable, recyclable, or eco-friendly materials or methods?
- Is the solution designed for long-term sustainability, not just a quick fix?

4. Feasibility of Project or Idea

This criterion assesses how practical, realistic, and achievable the project or idea is within the given constraints such as time, resources, technology, and expertise. It measures whether the team can successfully implement and sustain the project.

What Judges Should Look For:

- Is the project plan clear and realistic?
- Are the resources (time, materials, budget, skills) sufficient and well-allocated?
- Does the team demonstrate understanding of the technical challenges?
- Is the project achievable within the competition timeline or proposed schedule?
- Has the team identified and planned for potential risks or obstacles?

5. Technical Contents

This criterion evaluates the depth, accuracy, and sophistication of the technical knowledge and skills demonstrated in the project. It looks at how well the project applies relevant scientific, engineering, or technical principles to solve the problem.

What Judges Should Look For:

- Does the project show a strong understanding of the technical concepts involved?
- Are the methods, tools, or technologies used appropriate and correctly applied?
- Is the technical work thorough, detailed, and well-executed?
- Does the project include sound data analysis, calculations, or simulations (if applicable)?
- Is the technical documentation clear, accurate, and professional?

6. Impact of Project on Industry

This criterion assesses the potential or actual effect of the project on its relevant industry. It looks at how the project can influence industry practices, improve processes, create economic value, or drive innovation within the sector.

What Judges Should Look For:

- Does the project address a significant industry challenge or need?
- Can the project improve efficiency, quality, or safety in the industry?
- Is there potential for the project to be adopted or scaled in the industry?
- Does it create new business opportunities or market advantages?
- Could the project inspire or drive further innovation within the industry?

7. Impact of Project on Society

This criterion evaluates the extent to which the project positively affects people's lives, communities, or society at large. It looks at social benefits, inclusivity, ethical considerations, and how the project addresses real societal needs or challenges.

What Judges Should Look For:

- Does the project improve quality of life or well-being for individuals or communities?
- Does it address important social issues such as farming , health, education, equality, or accessibility?
- Is the project designed to be inclusive and considerate of diverse populations?
- Does it promote ethical practices and social responsibility?
- Can the project create lasting positive social change or awareness?

8. Presentation & Communication Skills

This criterion assesses how clearly, confidently, and engagingly the team presents their project. It evaluates the ability to communicate ideas effectively to judges and the audience through verbal explanation, visuals, and responses to questions.

What Judges Should Look For:

- Clarity and organization of the presentation.
- Confidence and professionalism in delivery.
- Use of visuals, demonstrations, or multimedia to enhance understanding.
- Ability to answer questions thoughtfully and accurately.
- Engagement and enthusiasm toward the project.