* These rules are not final and may be updated up until the day before the competition

Creative Category	Level	Team	Building
	Junior / Senior	1–3 person	Pre–Made

1. Scope and Definition of Creative Category

project refers to the use of motors, electrical devices, or mechanical materials—possibly including electronic circuit boards or various types of sensors—along with unrestricted general components, to design and assemble a robotic system. The result should exhibit characteristics identifiable as a part or whole of a robot or an inventive project, and it may or may not be capable of movement. The project must demonstrate the ability to perform a given task or solve a defined problem based on a planned design. It must be operable via an on/off switch or a control device (remote control, either wired or wireless). Coding and computer programming may also be used to control its operation. The value of the project lies in its innovative solution to the stated problem and its potential for commercial application. Participants must be able to explain how their project design is aligned with commercial viability.

2. Eligible Levels - Junior & Senior

3. Project Theme - New Global, Smart Global.

4. Project Criteria

1. The developed robotics project must follow a clear, step-by-step methodology based on the 7-step technological process:
    1. Identify the problem or need
    2. Information gathering
    3. Selection of approach or materials
    4. Design and making
    5. Testing to see if it works
    6. Modification and improvement
    7. Assessment
2. The project should emphasize usefulness and cost-effectiveness by applying the knowledge acquired during studies.
3. The project must be original. If similar to previously submitted projects, significant improvements or modifications must be made to distinguish it from earlier versions.
4. The project may be a working prototype or a model, must be portable, and should not exceed the dimensions: Width 50 cm x Length 50 cm x Height 90 cm.
5. Each participating team must prepare Poster size A0 (841 mm. X 1190 mm.) with a project infographic for display on the event day.

5. Evaluation Method

Participants must submit a project summary in PDF format as an appendix for evaluation.

6. Scoring Criteria: Total: 100 Points

Topic	Scoring Criteria (Total Score: 100 Points) Each criterion has a different score multiplier as specified.	Full Score	Score Obtained	Weight / Multiplier	Score / Multiplier
Importance and Value	**Concept (Idea):** The background, objectives of the project, or the problem intended to be solved are significant.	5		1	
Project Objectives	**Consistency with the concept:** The project topic and background align with the objectives of the project or the problem that needs to be solved.	5		1	
Design	Be able to explain the components of the project clearly.	5		1	
Working Process	Be able to explain the process and steps of the project, including the characteristics or details of the project or how to use it, clearly. Describe how the design process and technology are applied.	10		2	
Summary of Results or Experimental Use	Be able to explain the work performance or the results of the experiment in accordance with the defined objectives and goals.	5		1	
Technical Complexity	Working according to modern principles or methods, or using advanced and complex techniques and approaches.	5		2	
Impression and Commercial Potential	It is outstanding, new, or innovative, and can be practically applied with beneficial results.	10		2	
Explanation, Demonstration, and Presentation (via YouTube)	Present and explain the working principles and demonstrate the operation completely, clearly, and understandably. The demonstration follows step-by-step procedures and achieves good results that meet the set objectives.	10		1	
Creativity	The design of the robot is suitable for the mission, distinctive, outstanding, and aesthetically pleasing.	5		1	
Material Utilization	Consider the cost-effectiveness of using materials and components in building the robot, including the appropriate application of various materials.	5		1	
Selection of Components and Equipment	Consider the ability to creatively select equipment, including self-developed	5		1	

	devices or commercially available off-the-shelf components.				
Performance of the Project	Be able to perform multiple functions or work in only one specific function.	5		1	
				Total Score	

Project Summary

Project Title Proposed

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School/Team

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Affiliated Organization, please specify.....

1. Name – Surname _____Level _____
2. Name – Surname _____Level _____
3. Name – Surname _____Level _____

1. Idea or Background of the Robot Project Development

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2. What are the objectives of the project?

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3. What are the components of the project design?

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4. What are the processes and steps involved in the project?

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Summary of the performance or the results from the trial use.

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5. Key features of the robotics project, its innovative aspects, and its potential for commercial application.

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6. How the project can be applied or adapted in the future.

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