

D.A.R.E. Robotics Competition

This section is worth 30% of the total points		Points
I. Presentation and Pitch		total:40
1. Clarity and Organization of Presentation		5
Structuring and Flow of the Presentation & Effectiveness of Visual Aids		5
2. Relevance and Feasibility of the Project		25
Relevance to the Problem		5
Practicality and Feasibility of the Proposed Solution		5
Future potential of the Proposed Solution		5
Scalability of the Project		5
Team's Awareness of Requirements & Standards for Real-world Application		5
3. Team Collaboration and Communication Skills		10
Collaboration within the Team and Role Division		5
Communication Skills and Response to Questions		5
II. Business Viability		total:40
1. Market Analysis		20
Understanding of the Current Market Needs		5
Identification of Target Customer Segments		5
Comparison with Existing Projects		5
Differentiation and Competitive Advantage		5
2. Business Model and Strategy		10
Revenue Model and Pricing Strategy		5
Marketing and Distribution Plans		5
3. Investment Appeal and Pitch Quality		10
Ability to Attract Potential Investors or Partners		5
Persuasiveness and Clarity of the Business Pitch		5

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This section is worth 70% of total points

Points

III. Technical Evaluation

total:70

1. Technical Design and Complexity

35

Complexity Trade-offs in Mechanical Design

5

Adherence to Environmental Standards and Durability in Mechanical Design

5

Adaptability and Versatility of Mechanical Design

5

Modularity for Maintenance and Design Changes

5

Efficiency and Performance of Electronic Circuits

5

Fault Detection and Management in Electronic Circuits

5

Complexity versus Efficiency of Algorithms

5

2. Implementation, Functionality & Innovation

20

Definition and Organization of Testing Scenarios

5

Success in Task Completion by the Robot

5

Reliability and Error Management

5

Creativity and Originality in Problem-solving Approaches

5

3. Safety and Compliance

15

Adherence to Safety Standards

5

Ethical Considerations and Compliance

5

Alignment with Sustainable Development Goals

5