



Science & Robotic Carnival

One of the amazing competitions for students from 6-9 years which integrate science with robotic in one project.

Categories:

Junior :7-10 years.

Theme of this year:

Smart solution for impacts of natural disasters.

Students make a model either from both recycle material and robotic kits.

Model:

Teams will build a physical model of a section of their Environment using both recycled materials and Robotic kits.

In addition to showcasing their Model must also show the team's solution to this year's challenge impacts of natural disasters using of STEAM concepts in solution.

The model must have at least one moving part, be built to scale.

Project Requirements:

model Must be built to scale as determined by the team.

Must be no bigger than 80cm (W) x 80cm(L) x 20cm (H) including all support braces, material hanging below or beyond the tabletop, and anyfully extended parts, such as access doors or hinged pullouts.

Must contain one or more moving part(s).

Any electrical power must be self-contained (e.g., a household battery and a simple circuit).

No perishable items, drones, or hazardous items (e.g., dry ice or fire) may be used in the model.

A completed Model Identification poster must be submitted. This poster is used by the judges to identify yourteam's information and project solution. The poster should include:

- Model name (must be same as the team name)
- Name of school/organization.
- Names of the two presenting students and mentor.
- Any type of kits can be used except hazard one
- Problem &Solution
- Mechanical design and code.
- Core value.

Each team must do a power point presentation to explain the project.