

Event Rules & Regulations

2026 – Dindigul Edition | Future Tech Championship | Compete • Experience • Explore

EVENT DETAILS

Events	1. Working Model 2. Robo Race 3. Robo Sumo
Cash Prize	Rs. 1,00,000
Event Date	30 October 2026 (Friday)
Venue	Pannai Group of Schools, Mullipadi Po, Trichy Road, Dindigul
Registration Fee	Rs. 500 per team (2 students max)
Eligible Grades	4 to 12
Last Date to Register	26 October 2026
Register Online	https://novaris.events/dgl26 (or scan the QR code on the poster)
Contact	6383078848

GENERAL RULES (ALL EVENTS)

- A team can have a **maximum of 2 students**.
- Participants must belong to **Grades 4 to 12** and must register on or before **26 October 2026**.
- Teams must report on time. Your robot / model must be ready when the call is made for your team.
- All robots and models must be **safe to operate** and must not damage the arena, track, other bots or property.
- No external assistance is permitted during a run or demonstration.
- Unethical behaviour may lead to **disqualification**. Faculty coordinators have the right to take final decisions on any matter during the event.
- **The judges' decision is final.**
- The coordination committee reserves the right to add or update any rule.

ORGANISED BY / VENUE PARTNER



Organised by Otomatiks



Venue Partner Pannai Group of Schools

Event 1: Working Model

Showcase innovative, practical and sustainable solutions that demonstrate scientific and technical principles.

CATEGORIES

- **Sub-Junior:** Grades 4 to 5
- **Junior:** Grades 6 to 8
- **Senior:** Grades 9 to 10
- **Super Senior:** Grades 11 to 12

THEMES

Sub-Junior (4–5)	Junior (6–8)	Senior (9–10)	Super Senior (11–12)
<ul style="list-style-type: none"> • Energy from Nature • Healthy Living and Hygiene • Helping Hands – Assistive Tools • Safe and Smart Home • Waste to Wonder 	<ul style="list-style-type: none"> • Smart Living Solutions • Saving Water and Energy • Road Safety and Transportation • Community Care & Emergency Response • Play, Learn, and Explore 	<ul style="list-style-type: none"> • AI for Good • Building Sustainable Cities • Smart Agriculture and Food Security • Digital Safety and Privacy • Assistive Technologies for Differently-Abled 	<ul style="list-style-type: none"> • AI for Good • Building Sustainable Cities • Smart Agriculture and Food Security • Digital Safety and Privacy • Assistive Technologies for Differently-Abled

PRESENTATION FORMAT

- Judging is **offline, at the venue**, in a science-expo style with booths.
- **Tiered evaluation:** judges check whether the project works, is innovative and is relevant to the theme.
- **Poster + live demo:** the poster must cover the **problem, solution, working principle, uniqueness and future scope**.
- **Time per team: 3 minutes maximum.**
- The project must come under the **specified theme** of the team's category.

EVALUATION CRITERIA

- Innovation
- Technical Depth
- Presentation
- Social Impact
- Marketability

PROJECT CONSTRUCTION GUIDELINES

- Use **sturdy and durable** materials for construction.
- The use of **cardboard or thermacol is strictly prohibited**.
- The design must be functional and durable, able to withstand practical testing and demonstrations.
- Teams must bring their own model, poster and all required accessories.

Event 2: Robo Race

Design a remote-controlled robot that can navigate a challenging race track with speed, accuracy and stability.

EVENT DETAILS

Team Size	Maximum 2 members
Categories	Junior – Grades 6 to 8; Senior – Grades 9 to 10; Super Senior – Grades 11 to 12
Fee	Rs. 500 per team
Last Date	26 October 2026

EVENT FORMAT

- Each team competes with a **single bot** built to the given specifications.
- The track features **curves, turns and obstacles** to test speed, stability and control.
- Teams must complete the track within the time limit announced by the organisers.
- The **timer starts when the bot begins moving** and stops at the finish line.
- Winners are decided by the **point system** announced by the organisers.

BOT SPECIFICATIONS

- Maximum size: **25 cm × 25 cm × 15 cm (L × B × H)**.
- Maximum weight: **3 kg**.
- Robots must be **wireless** (all categories).
- The bot must **not** be built using **Lego parts or any pre-assembled kit**. Violation leads to disqualification.
- **RC cars or commercially available remote-controlled toys are strictly not allowed**.
- Bots must be operated by participant-controlled systems; **no external assistance** during the run.
- Bots must be safe and must not damage the arena, track or other bots.

BATTERIES & POWER

- The machine must be powered **electrically only**; IC engines are not allowed.
- Batteries must be sealed, immobilised-electrolyte type (**gel cell, lithium, NiCad or dry cells**).
- Voltage anywhere in the machine must **not exceed 12 V DC** at any time.
- A 220 V, 50 Hz AC supply is provided; teams must bring their **own adapters or batteries**.

ARENA & OBSTACLES

- Sand Pit – wheel traction and motor torque
- Marble Pit – stability and control on uneven surfaces
- Wobble Bridge – balance and suspension
- Sloped Ramp – acceleration and power on inclines
- Speed Breakers – suspension, precision and steady movement
- Zig-Zag Path – navigation accuracy and turning
- Sliding Bridge – traction on loose or rough terrain
- Exact track size, obstacles and point system will be announced by the organisers.

Event 3: Robo Sumo

Two manually controlled robots face off in a circular ring; push or flip the opponent out while staying inside.

EVENT DETAILS

Team Size	Maximum 2 members
Categories	Junior – Grades 6 to 8; Senior – Grades 9 to 10; Super Senior – Grades 11 to 12
Fee	Rs. 500 per team
Last Date	26 October 2026

EVENT FORMAT

- Bots are placed inside the ring at their designated positions.
- The match begins on the referee's signal ("**3, 2, 1, Start!**"). Each round lasts **up to 2 minutes**.
- A robot **wins** by pushing its opponent completely out of the ring; a robot **loses** if it goes out by itself.
- If no bot leaves the ring before time ends, the judges decide the winner using the point system.
- If both bots leave the ring at the same time, the bot that **leaves last** is the winner.
- The event is a **knockout**: Quarterfinal → Semifinal → Final.

MATCH RULES

- The robot must not damage the arena. **No test practice** is allowed on the arena.
- Your robot must be ready when the call is made for your team.
- If a robot starts before the start call, the count restarts and the machines get a second chance. **If repeated, the team is disqualified.**

BOT SPECIFICATIONS

- Maximum size: **25 cm × 25 cm × 15 cm (L × B × H)**. Maximum weight: **3 kg**.
- Only **wireless** robots with a reliable remote-control mechanism are allowed.
- Chassis and frame must be made of **aluminium or metal**.
- Wheels must be **rubber**; metal wheels are not allowed.
- There is no limitation on the type of motor used.
- **RC cars or commercially available remote-controlled toys are strictly not allowed.**
- No external assistance is permitted during the run; bots must be safe to operate.

BATTERIES

- Battery voltage must **not exceed 12 V**.
- Only **DC rechargeable batteries** are allowed (Li-ion, LiPo or NiMH).
- Battery must be **securely mounted** to the chassis; batteries must be safe, leak-free and last the entire match.

ARENA

- The ring boundary is marked with a **white line, typically 2.5 cm thick**.
- Base material: Foam / Banner / Wood.
- Final arena, event format and point system details will be announced by the organisers.