PUNJAB ENGINEERING COLLEGE
(Deemed to be University)
CHANDIGARH
OFFICE OF DEAN STUDENT AFFAIRS

PEC/DSA/26/_____
Dated: _____

QUOTATION NOTICE

Subject: Quotation for hiring the following Arenas Services for PECEFST-2026.

Quotation are hereby invited in respect of item mentioned below. The quotation should be sent in the sealed cover with wax/ transparent fixing tape duly signed marked "Quotation for hiring of Arenas services (for 3 days)" for PECEFST-2026 to be held on 30.10.2026 to 01.11.2026 and due date on the top of the envelop so as to reach this office or before 26.10.2026.2026 by 1:00 PM at DSA office.

The quotation should be submitted on the letter head of the firm only.

S No.	Event Arena	Description / Requirements for Quotation
1.	**Meshmerize Arena (Annexure-1)**	8 ft x 8 ft autonomous navigation arena with a high-contrast printed track featuring complex intersections, sharp turns and grid loops for bot navigation.
2.	**Line Follower Arena (Annexure-2)**	10 ft x 10 ft line-tracking arena with a high-contrast printed course featuring complex intersections, sharp turns and grid loops for autonomous bots.
3.	**RoboRace Arena (Annexure-3)**	High-speed RC vehicle circuit with custom track obstacles, elevated ramps, speed breakers and reinforced perimeter walls.
4.	**RoboSoccer Arena (Annexure-4)**	Enclosed robotic soccer field with perimeter walls and goal posts, safely containing bots during physical matches.
5.	**ThetaShift Arena (Annexure-5)**	3 m x 3 m multi-terrain arena featuring the "Terra Firma" sand pits, the "Slalom Ridge" and smooth transition zones, with reinforced terrain obstacles to test bot traction.
6.	**RoboReach Arena (Annexure-6)**	Multi-level task arena comprising the "Stacker" platform and the "Tower of Hanoi" puzzle station for semi-autonomous robotic manipulation.
7.	**IDRL (Drone Competition) Arena (Annexure-7)**	Drone flying course with gate and obstacle structures for the IDRL competition at PECFEST.
8.	**Robo Sumo Arena (Annexure-8)**	Elevated circular combat ring with a high-friction surface for bot traction, built to withstand heavy pushing forces and localized impacts during matches.

S No.	Event Arena	Description / Requirements for Quotation
9.	**Escape Gravity Arena (Annexure-9)**	Heavy-duty blackout pagoda (15 ft x 15 ft) creating an isolated, light-tight environment for the immersive, physics-themed aerospace escape room, equipped with short-throw projectors and ambient LED/UV lighting to display interactive puzzles, countdown timers and simulated aerospace environments.
10.	**Laser Heist Arena (Annexure-10)**	interactive "Mission: Impossible" style grid built with low-wattage laser emitters, optical mirrors, haze/fog effects to visualize the beams and modular physical barricades.
11.	**Visuals and Recording (All Arenas) (Annexure-11)**	Outdoor LED wall (8 ft x 8 ft) with a structural elevation platform (10 ft x 10 ft) for stable rigging and optimal viewing angles for the audience across the venue, along with four high-definition action cameras for close-angle coverage of arena events such as RoboWars bouts, RoboRace, RoboSoccer and IDRL drone runs. The cameras can be mounted inside the enclosed arenas and on gate structures, and will be used for live replays on the LED wall, event documentation and the institute's official social media coverage of PECFEST 2026.
12.	**Common Infrastructure & Logistics (All Arenas) (Annexure-12)**	Boundary marking and colour-coding of technical zones, high-visibility branding of arena obstacles, overall décor hangings and tentage, and a Public Address (PA) system with active loudspeakers and cordless microphones for stage facilitation, live match commentary, crowd control and emergency safety announcements across arenas.
13.	**RoboWars Arena (Annexure-13p)**	Structurally certified 16 ft × 16 ft × 8 ft combat enclosure with impact-resistant safety glazing, built to contain the high-speed weapons of 8 kg and 15 kg combat robots and keep participants and spectators safe.

Terms & Conditions: -

1. GST/Service Tax should be mentioned separately.
2. The rate should be including career charges.
3. The firm can be from PAN India.
4. The rate quoted should be lump-sum all together.
5. No advance payment will be made 100% payment will be made after providing the satisfactory services.
6. In case of services not provided as per the work order or delay the penalty will be imposed as per the GFR rules of the recommendation of the committee.
7. The firm/vendor shall not have been blacklisted or debarred by any Government Department, Government Institution, or Public Sector Undertaking. (undertaking must be submitted along with quotation).
8. The firm/vendor must have a minimum of three (3) years of experience in providing similar types of services.
9. If the arenas are not provided in accordance with the specified requirements, 25% of the total bill amount shall be deducted.

Dean Student Affairs

ANNEXURES: ARENA REQUIREMENTS

The annexures below form part of this proposal and state the technical requirements of each arena, which are to be followed while submitting quotations. Annexure numbers 1 to 12 correspond to the serial numbers in the table above, and Annexure 13 covers the RoboWars arena.

Annexure	Event Arena / Requirement
1	Meshmerize Arena
2	Line Follower Arena
3	RoboRace Arena
4	RoboSoccer Arena
5	ThetaShift Arena
6	RoboReach Arena
7	IDRL (Drone Competition) Arena
8	Robo Sumo Arena
9	Escape Gravity Arena
10	Laser Heist Arena
11	Visuals and Recording (All Arenas)
12	Common Infrastructure & Logistics (All Arenas)
13	RoboWars Arena

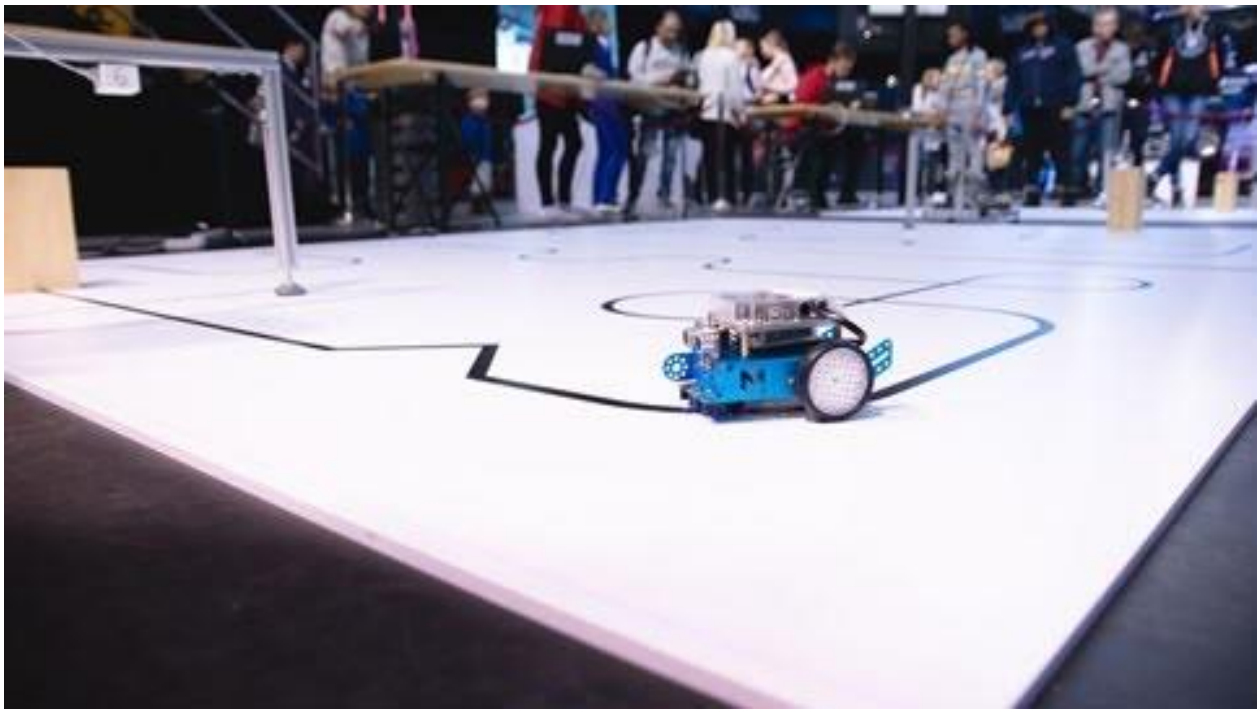
Annexure 1: Meshmerize Arena

1. **Arena Size:** 8 ft × 8 ft.
2. **Surface Material:** High-quality star flex with minimum reflection for better colour differentiation.
3. **Colour Scheme:** Black background with white strips.
4. **Track Design:** Customized track with complex intersections, sharp turns and grid loops for autonomous bot navigation.
5. **Layout:** As per the reference layout/figure to be provided by the Technical Committee.



Annexure 2: Line Follower Arena

1. **Arena Size:** 10 ft × 10 ft.
2. **Surface Material:** High-quality star flex with minimum reflection for better colour differentiation.
3. **Colour Scheme:** White background with black strips.
4. **Track Design:** Customized track with complex intersections, sharp turns and grid loops for autonomous bot navigation.
5. **Layout:** As per the reference layout/figure to be provided by the Technical Committee.



Annexure 3: RoboRace Arena

1. **Track Type:** Rally-type track containing various obstacles such as wooden ramps and gravel containers, with elevated ramps, speed breakers and reinforced perimeter walls.
2. **Material:** High-quality plywood (8 ft × 4 ft sheets with thickness 1 inch, 2 sheets) must be used.
3. **Layout:** As per the reference layout/figure to be provided by the Technical Committee.



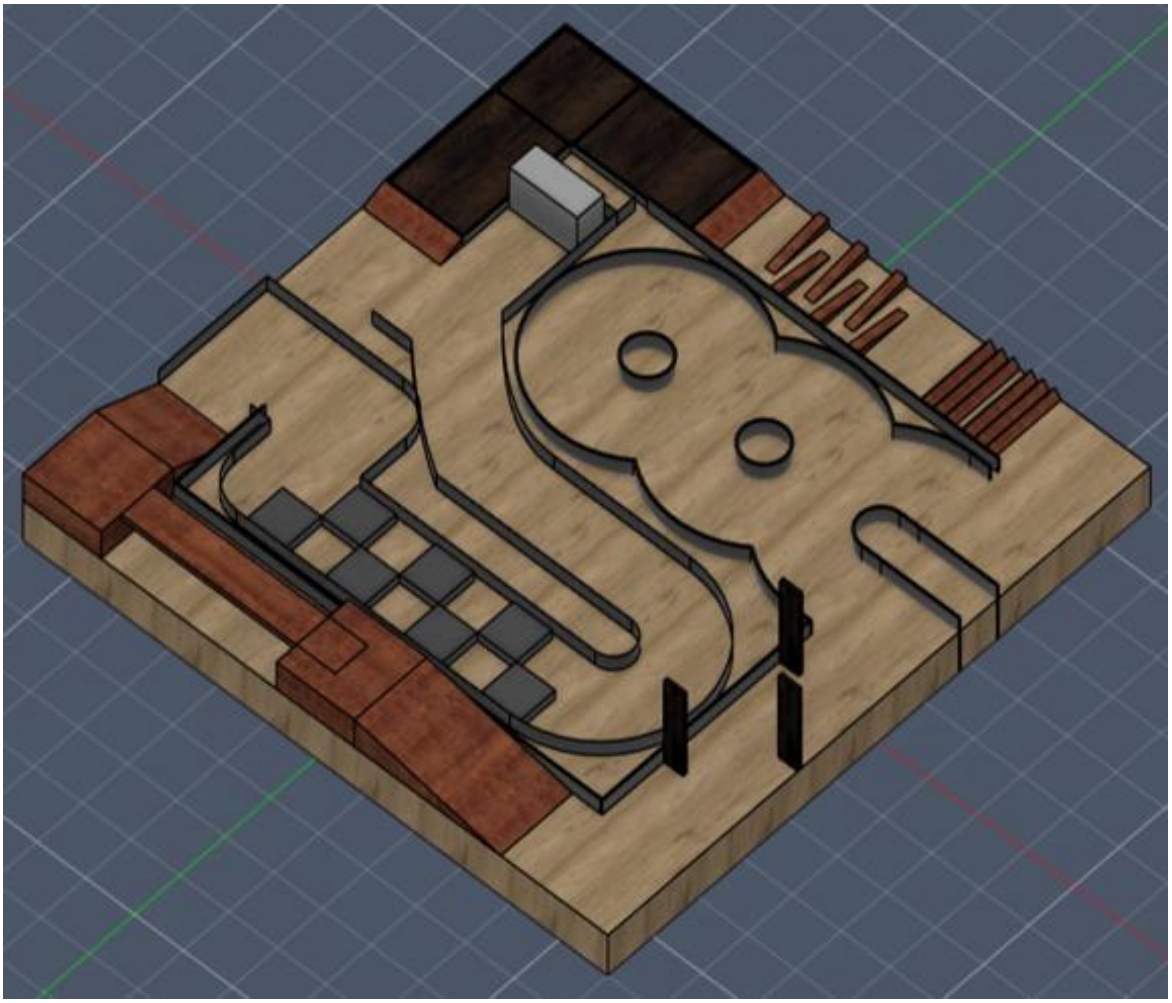
Annexure 4: RoboSoccer Arena

1. **Arena Size:** Elevated arena of 8 ft × 10 ft.
2. **Structure:** Wooden goal posts and perimeter walls to safely contain bots during physical matches.
3. **Material:** High-quality plywood (8 ft × 4 ft sheets thickness 1 inch, 4 sheets) must be used

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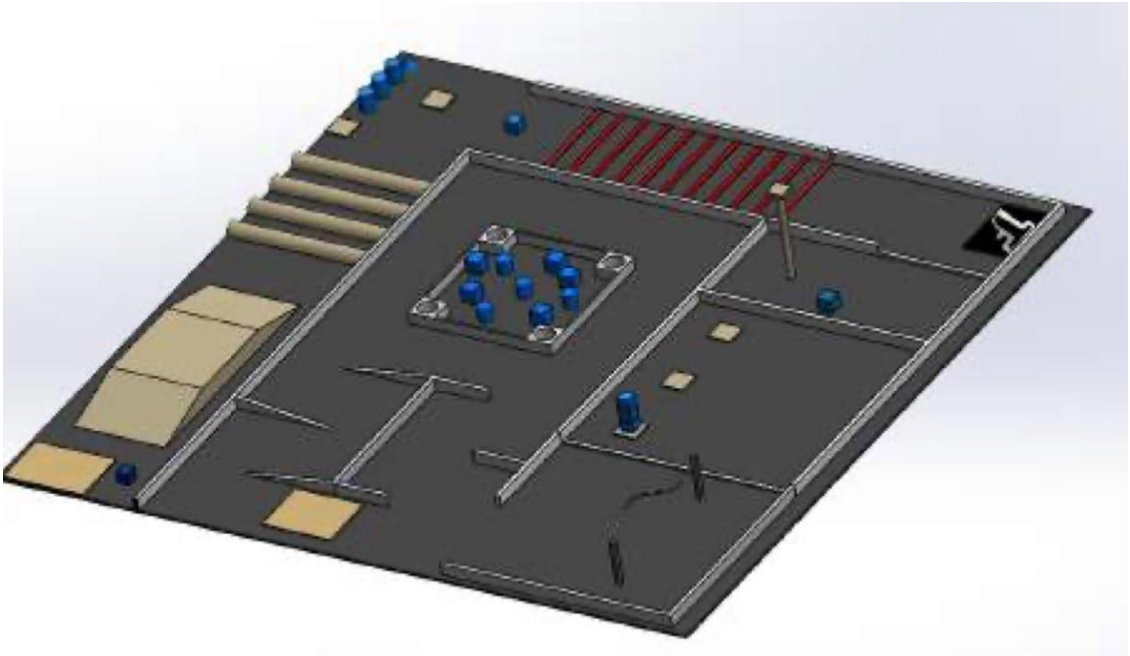
Annexure 5: ThetaShift Arena

1. **Arena Size:** 3 m × 3 m multi-terrain obstacle course.
2. **Terrain Features:** The "Terra Firma" sand pits, the "Slalom Ridge" and smooth transition zones, with reinforced terrain obstacles to test bot traction.
3. **Material:** High-quality plywood (8 ft × 4 ft sheets thickness 16mm, 5 sheets) must be used, along with metal strips (0.5 mm metal sheet, 1 pc) for the track.
4. **Layout:** The obstacle course shall be formed as shown in the reference figure to be provided by the Technical Committee.



Annexure 6: RoboReach Arena

1. **Arena Size:** 3 m × 3 m.
2. **Task Stations:** Multi-level task arena comprising the “Stacker” platform and the “Tower of Hanoi” puzzle station for semi-autonomous robotic manipulation.
3. **Material:** High-quality plywood (8 ft × 4 ft sheets with thickness 1 inch, 5 sheets) must be used.
4. **Layout:** The course shall be formed as shown in the reference figure to be provided by the Technical Committee.



Annexure 7: IDRL (Drone Competition) Arena

1. **Course Type:** Drone flying course with gate and obstacle structures for the IDRL competition at PECFEST.
2. **Gates:** Hula hoops (20 pcs) to be used as gates.
3. **Structures:** PVC pipes of 10 ft length (15 pcs) to be used for gate and obstacle structures.



Annexure 8: Robo Sumo Arena

1. **Arena Type:** Elevated circular combat ring.
2. **Material:** High-quality plywood, 120 cm × 120 cm (2 pcs).
3. **Surface:** High-friction surface coating for bot traction.
4. **Strength:** The ring must withstand heavy pushing forces and localized impacts during matches.



Annexure 9: Escape Gravity Arena

1. **Enclosure:** Heavy-duty blackout pagoda (15 ft × 15 ft) creating an isolated, light-tight environment for the immersive, physics-themed aerospace escape room.
2. **Audio-Visual Equipment:** Short-throw projectors and ambient LED/UV lighting to display interactive puzzles, countdown timers and simulated aerospace environments.
3. **Requirements:** Puzzle and display requirements will be communicated by the Committee by 28th October 2026.

Annexure 10: Laser Heist Arena

1. **Enclosure:** 15 ft × 15 ft pagoda.
2. **Arena Design:** Interactive "Mission: Impossible" style grid built with low-wattage laser emitters, optical mirrors, haze/fog effects to visualize the beams, and modular physical barricades.
3. **Requirements:** Lasers and obstacles as per the requirements communicated by the Committee by 28th October 2026.

Annexure 11: Visuals and Recording (All Arenas)

1. **LED Wall:** Outdoor LED wall (8 ft × 8 ft) with a structural elevation platform (10 ft × 10 ft) for stable rigging and optimal viewing angles for the audience across the venue.
2. **Cameras:** Four high-definition action cameras for close-angle coverage of arena events such as RoboWars bouts, RoboRace, RoboSoccer and IDRL drone runs. The cameras can be mounted inside the enclosed arenas and on gate structures.
3. **Usage:** Live replays on the LED wall, event documentation and the institute's official social media coverage of PECFEST 2026.

Annexure 12: Common Infrastructure & Logistics (All Arenas)

1. **Marking:** Chalk powder (10 kg) for boundary marking, track outlining and field demarcation, and industrial-grade aerosol acrylic spray paints (5 pcs) for high-visibility marking, branding of arena obstacles and colour-coding of technical zones.
2. **Tentage:** Poles of 15 ft (16 pcs) for overall décor hangings and tentage.
3. **PA System:** Speakers and microphones (7 units) comprising active loudspeakers and cordless microphones for stage facilitation, live match commentary, crowd control and emergency safety announcements across arenas.

Annexure 13: RoboWars Arena

RoboWars features high-kinetic combat robotics in the 8 kg and 15 kg weight categories. As standard tenting or basic barricading cannot contain high-velocity shrapnel from the weapons used, a structurally certified ballistic enclosure is required for participant and spectator safety.

1. **Arena Specifications:** Fabrication and supply of a 16 ft × 16 ft × 8 ft combat enclosure with angle irons/square pipes or material with similar or greater strength.
2. **Safety Glazing:** Installation of 12 mm impact-resistant polycarbonate panels mounted on a heavy-duty structural steel frame, anchored/ballasted against movement.
3. **Operational Support:** Deployment of a minimum of 4 qualified technical personnel on-site throughout the event to inspect, troubleshoot and repair the arena between matches.
4. **Logistics:** End-to-end transport, assembly, joint safety testing, dismantling and site clearance.
5. **Timeline:** Assembly and pre-event safety testing to be completed no later than 29th October 2026; event service period from 30th October 2026 to 1st November 2026.