

CODERUSH 2026

■ ROBO SOCCER · OFFICIAL RULEBOOK ■

[01 / TEAM COMPOSITION]

- Each team may have a **maximum of 3 members**.
- Members can be from **any academic year or department**.
- The same team may register for **RC Race, Robo Soccer, or both events**.

[02 / ROBOT SPECIFICATIONS]

- Max dimensions: **10 in (L) x 10 in (W) x 8 in (H)**.
- Power source: **battery only**, maximum 12V.
- Speed modifications are **allowed** within the voltage and size limits.
- No exposed high-torque gears that pose a safety risk.

Allowed attachments:

- front scoop
- soft pushing plate
- ball guide wings
- rollers
- passive dribbler

Not allowed:

- sharp metal spikes
- lifting or throwing mechanisms
- magnets
- sticky tape or glue surfaces

DUAL-USE BOT — RC RACE + ROBO SOCCER

Your RC Race robot can compete in Robo Soccer as well. **One robot, two events.**

[04 / FIELD SPECIFICATIONS]

- Field size: **8 ft x 6 ft**.
- Side wall height: **6 to 8 inches**.

[05 / GOAL DESIGN]

- **2 goals** – one on each shorter side of the field.
- Goal dimensions: **1.2 ft wide x 0.5 ft high**.

[06 / MATCH TIME]

- Regular time: **2 minutes** per match.
- Knockout stage tie resolution: **1 minute extra time**, then **sudden death golden goal**.

[07 / MATCH FORMAT]

- Format: **1 robot vs 1 robot** per match.

[08 / SCORING]

- Each goal scored = **1 point**.
- Team with most goals at full time wins.
- Tie: extra time, then **penalty shootout** (3 solo attempts each), then fastest first goal.

[09 / FOULS AND FAIR PLAY]

- Deliberate ramming without ball intent = **penalty**.
- Flipping the opponent robot = **penalty**.
- Pinning opponent to the wall for more than **5 seconds** = penalty.
- Damaging opponent wiring or components = **penalty**.
- Intentional wheel-lock collisions = **penalty**.
- Ball possession exceeding **5 seconds** results in a free reset.
- One operator per robot. **No touching the field during a match**.
- Respect referees. Judges' decisions are **final**.

[10 / BALL SPECIFICATION]

- Official ball: **soft foam ball** (approximately tennis ball sized).
- Hard balls (e.g., cricket balls) are **not permitted**.

Rules may be adjusted based on space, resources, and event requirements.
Contact the organizing committee for any clarifications.

ORGANIZED BY

GDG ITU X IEEE

ROBOTICS HEAD

Ali Maqsood

0327-1968132