

Competition 5	
Competition Name	Line Follower Robot Competition
Tagline	Track the Line. Beat the Time
Description	The Line Follower Robot Competition challenges participants to drive a autonomous robot capable of following a predefined path accurately and efficiently. The robot must detect and track a line laid on the arena using sensors and complete the course in the shortest possible time without human intervention. The competition tests participants' skills in robotics, sensor integration, control algorithms, and problem-solving, encouraging innovation, precision, and technical excellence
Rules / Guidelines	<p>Competition Guidelines/Rules :</p> <ul style="list-style-type: none"> ● The robot must be autonomous ; manual control is not permitted. ● The robot should follow a single continuous line on the arena surface. ● The line will be black on a white background (or vice versa). ● Maximum robot dimensions must be within the limits specified by the organizers. ● The robot must start only after the start signal is given. ● External power sources or wired connections are not allowed. ● The robot must complete the track without human assistance. ● If the robot loses the line, it may be restarted from the last checkpoint (if applicable). ● Touching or guiding the robot during a run will result in disqualification. ● The decision of the judges will be final and binding