BLOOMFIELD HALL SCIENCE SOCIETY PRESENTS

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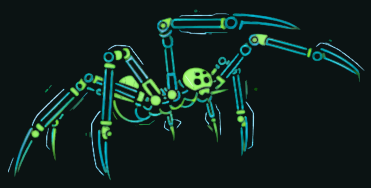
BHSS PESHAWAR

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STUDY GUIDE

AL JAZARI'S TRIALS

AL-JAZARI'S TRIALS



Teams will have to build a Remote Controlled (RC) robot from scratch using provided materials and tools. Grip, stability, speed, driving precision and strategy are the nuts and bolts of the challenge. Teams will enter an obstacle course of an arena one at a time, and navigate through treacherous ramps, bridges, pits, hills and uneven terrain to go from start to finish.

ROUND 1:
Teams will begin designing and assembling their robots, using provided materials and tools. They will be provided with all the basic electrical components required for building a Bluetooth-controlled robot, in addition to materials for chassis fabrication. Pre-built robots are strictly prohibited.

ROUND 2:
Teams will continue building and optimising their robots for the final showdown. This round will also give participants the chance to test their robots on the arena and tweak their code and designs accordingly.

ROUND 3:
In this round teams enter the arena that consists of a series of bridges, hills, rocky terrain, ramps, and pits, trying to get from start to finish in the shortest time possible in order to achieve victory. Each design choice made and tweak tested on the track will ultimately dictate your results. Mastering this challenge demands technical expertise, sharp tactical thinking, and real-time adaptability under pressure.

Size Specifications:
12"x12"