

Post Event Summary Report

Name of the Event - State Level Robotics Competition during State Meet of Aryabhata Science Centre.

Date of the Event - 28th, 29th and 30th November, 2025

Location of the Event - Maniram Dewan Trade Centre, Guwahati

Organized by - Assam Science Technology and Environment Council in association with Aryabhata Science Centre (Boko Block), Jorhat Innovation Hub (JSC&P) and Sparkbee.

Summary

The Assam Science Technology and Environment Council, in collaboration with Aryabhata Science Centre (Boko Block) and Sparkbee, hosted a Regional Robotics contest as part of the State meet of Aryabhata Science Centres on 28th, 29th and 30th November 2025. The event aimed to foster interest and proficiency among students in the burgeoning field of Robotics, while also encouraging a STEM-focused mindset. The distinguished state minister for Science & Technology, Mr. Keshab Mahanta was in attendance to congratulate the participants and inspire them.

The robotics contest featured two primary activities.

a. State Level Robotics Competition (Jantrik Jatri)

b. Robo-for-all: A wired remote controlled Robo Soccer making and playing activity.

State Level Robotics Competition:

The primary goal of this contest was for teams to design a autonomous robot capable of navigating a black line on a white surface, moving objects placed on the track to the finish line, navigate through intersections in the line, move the object up the ramp, down the ramp and stop at the finish line along with the object. There was one object in the arena which carried a total of 40 points in the game. The ramp was constructed with an inclination of 20° . The competition's problem statement was shared in advance to allow teams sufficient time for construction, design, and programming of their robots. The contest spanned two days, with a format of best out of six(6) rounds for all teams. Teams were permitted one trial run and three(3) rounds on the first day. Teams had to play another three(3) rounds on the second day. Points were awarded based on the time taken to complete the track, the robot's ability to detect the object, its capability to move up the ramp, navigate the intersections in the line, and its success in moving the object to the end point.

A total of 28 teams registered for the event online. Out of these, 21 teams took part in the competition. Participants from 13 districts of Assam participated in the competition.

The winners were announced on November 30th, 2025, with the following teams securing the top positions:

1. Team (Moharnov Duarah & Aarnab Akash Mahanta) - 1st prize: Rs. 20,000
2. Team (Tonmoy Chakraborty, Devansh Poddar) - 2nd prize: Rs. 15,000
3. Team (Mayank Poddar and Gitarth Paul) - 3rd prize: Rs. 10,000

The competition was both engaging and challenging, with teams competing to make their robots the fastest. All the participating teams demonstrated commendable sportsmanship, offering assistance to one another with tools and components.

Robo-for-all:-

In addition to the Autonomous competition, a related activity took place, organized by the experts from Sparkbee. The challenge for this activity was to create, build, and operate a remote-controlled soccer playing robot that was wired and could be operated manually. The Manual Robotics Event was held for a variety of students attending the State Meet of Aryabhata Science Centre. They received the necessary materials and guidance on how to put together the robots and design the

circuits with the provided materials to ensure the robots functioned properly. The teams then showcased their robots on a soccer field that was set up for the event.

The event concluded with the handing out of awards and certificates to the victorious teams and all the participants on the third day of the event.

Some glimpses from the event:

















