

EVENT REPORT

EVENT NAME: ROBOTICS WORKSHOP

DATES: 25/07/2019 – 26/07/2019

VENUE: CDI - 5TH BLOCK 3RD FLOOR



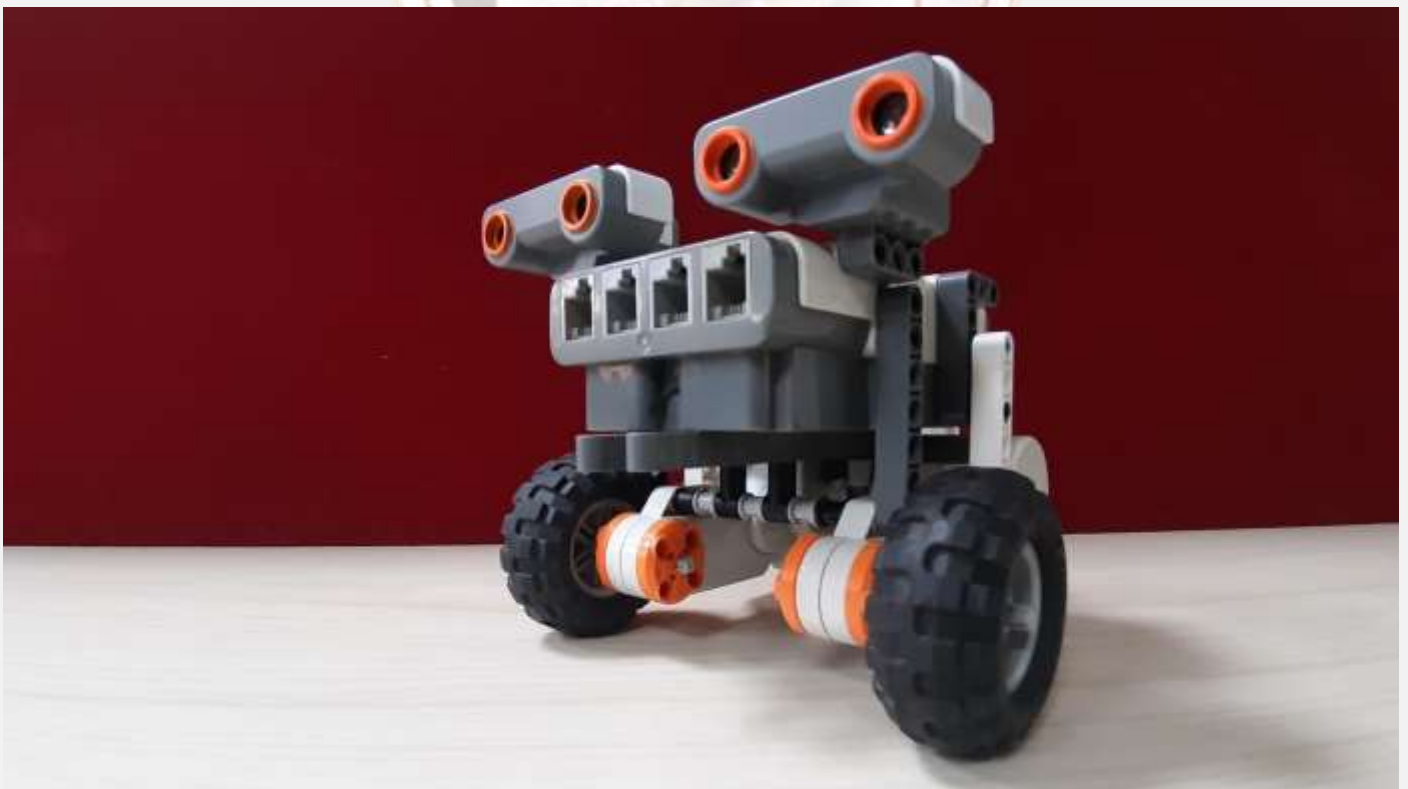
(INTRODUCTORY SESSION)

The workshop was conducted by **NOVATECH ROBO PVT. LTD.** A total of 40 Christites attended the event which includes 20 from the department of mechanical and automobile engineering, 10 from the department of computer science engineering and 10 from the department of electronics and communications engineering. The workshop was arranged for two days from 9 am to 4 pm each day.

Day 1:

The first day of the workshop. By 9 am everyone assembled in CDI and by 9:30 the workshop began. A small introduction on the basics of robotics was given and thereafter the session progressed with a completely hands-on experience. The entire lot of 40 was divided into 10 teams (A, B, I, J) each containing two students from the department of mechanical and automobile engineering, one from computer science engineering and one from electronics and communications engineering.

Each group was given a robot building kit of different kinds. After each team completed the kit that is given to them, the kits get circulated so that every team gets to try all the kits. The kits included a **LEGO NXT BRICK** which is the brain of the robot and other accessories required to build it. A guidance manual was also given to each team so that the teams can refer it when needed. The NXT BRICK is programmed by a software which is readily available in the LEGO website. This went on throughout the day. By the end of the day, each team tried out making at least 3-4 robots.



(AN OBSTACLE AVOIDING ROBOT MADE BY ONE OF THE TEAMS)

Day 2:

After an entire day of robo building, everyone thought Day 2 was also going to be the same. But it wasn't.

The session started by 9:30 am and all the teams were given a task - all the tasks being the same.

Each team was supposed to make a **SUMO WRESTLING ROBOT** using the items provided to them and the knowledge they gained from the previous day. Each team also had to present their robots and compete in the Robo – War arranged in the open auditorium at 4 pm.

All teams began working with 100% enthusiasm to win the WAR.

All the teams came out with unique and innovative ideas to make their robot fight like a bull.

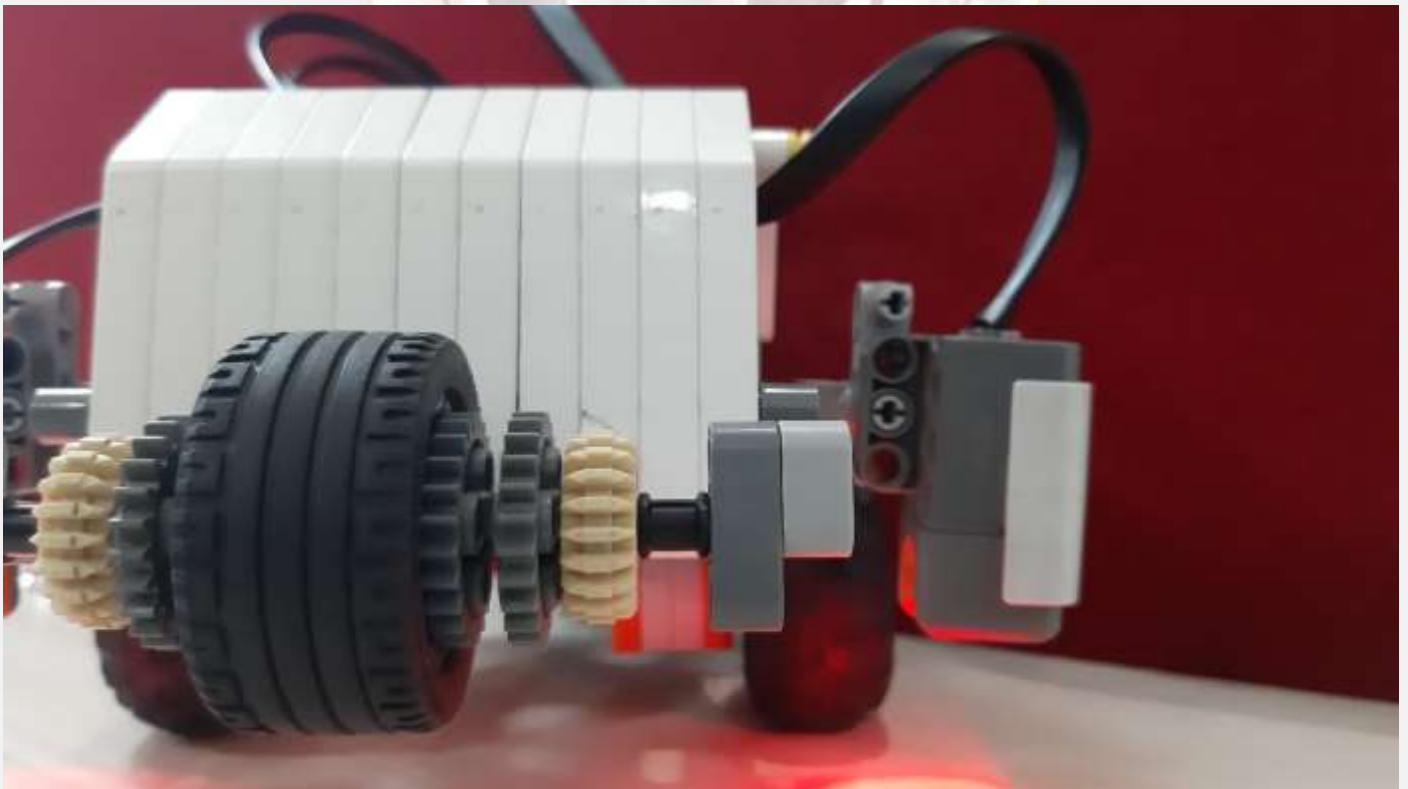
By 3:30 pm, all the bots were ready and the WAR started sharp at 4. It was an amazingly fun-filled session and all teams contested with high energy. At last, **TEAM SP** emerged as the winner.



(TEAM SP – THE WINNING BOT)



(DESIGNING AND PROGRAMMING OF THE BOT)



(A SUMO WRESTLING ROBO)



(ROBO WAR)

Overall the session was very informative and fun-filled. All the participants gave positive feedback about the workshop and its conduction. The positive impact was made by the way the workshop was conducted – completely hands-on experience.

Thanking all the coordinators from ME & AU, CSE AND ECE Department.
Also thanking NOVATECH ROBO PVT. LTD.