
On a Liberation Quest: At the RoboCup Junior Competition

Bangalore | January 11th and 12th, 2020



On January 11th and 12th, 2020 one of the top international contests, the *RoboCup Junior Competition* was held in Bangalore. The competition, which is a division of roboocup.org, focuses on education whilst aiming to introduce complex targets of the RoboCup project initiative to students from the primary and secondary sections. Their mission: to create robots designed to fulfill a certain task set.

RoboCup Junior or RCJ organizes three competitions which are held at the regional, zonal and national level:

- i. Rescue Maze
- ii. On stage (Formerly known as the dancing competition)
- iii. Soccer

S. B. Patil Public School, Ravet's Grade VIII students: Vandan Sharma, Nikhilesh Sarode, Advait Bhagwat, and Anand Surana, all accompanied by and under the tutelage and guidance of the robotics instructors, Ms. Varsha Gawali and Ms. Monika Gulave, partook in the competition whilst appearing in the *Rescue Maze* category.

The scenario provided was to create a robot to perform a rescue mission, whilst traversing on a dangerous terrain, too cumbersome for humans to carry out the mission of reaching and rescuing stranded victims.

The task was made more tedious as the robot, thus created, had to carry out all tasks on a fully automated mode *sans* human assistance and guidance, and needed to be durable and intelligent so as to navigate through the treacherous terrain of hills, uneven land and rubble without facing any difficulties, obstacles or casualty. The catch in the game was the parallel aim which was *not* to find the shortest and quickest route but to explore as much of the given terrain whilst also accomplishing the stated mission.

The competition which decorated its participants with prizes based on best coding, model, team, etc. bestowed the team from S. B. Patil Public School with the best model trophy award. Our heartiest congratulations to the participants of this team who have not only earned a name for themselves but have also brought great pride to the school.