

## **Report on Two day workshop on "Mobile Controlled Robotics"**

On 1<sup>st</sup> February began the journey of the two-day mobile controlled robotics workshop, organised by IEEE JUIT SB in collaboration with between IIT Roorkee and Finland labs. This was a first of its kind for the students of first year. This workshop was a successful collaboration between different universities as well. Students came all the way from Chitkara University and Bahra University to attend the workshop.

The workshop started at 10:00 am on 1<sup>st</sup> February, 2019. The event was graced by our Honourable Vice Chancellor, Dean of Academics and HOD of ECE department. They enlightened the students about the importance of the workshop its future in the industry. After the induction speech the workshop started at about 10:30 am. Students were very charged up at the start of the workshop. It started with the introduction to embedded circuit boards which we could program as per our needs and requirement. The expert told the students about the difference between microprocessors and microcontrollers and where both of them are used. They were given the basic idea about sensors and different computing platforms and their pros and cons. The students then started programming on Atmel 8 board. Then they started working on ISIS in which they could create a dry run of their program. High Tea was held at 4:00 P.M. after which the session continued further. At the end of the day 1 the students assembled their robots.

The next day too started with great enthusiasm. Students started programming on their robots at start of day 2. At first students programmed it to move on black line and then they programmed it to move on white line. After this there was a lunch break. After that the students were told how to move the robot across the edges and they made edge avoiding robots. After the session it was time for a test in order to check the progress of a student in the workshop.





