

BMS INSTITUTE OF TECHNOLOGY AND MGMT

DEPT. OF TELECOMMUNICATION ENGINEERING

STUDENT WORKSHOP ON “ROBOTICS”

A 3-day workshop on Robotics for students was held in Telecommunication Engineering dept. of BMSIT&M, Bangalore –India in association with EDC cell IIT Roorkee during 1-8-17 to 3-8-17. We had thirty students from our own branch and six student participants were from other colleges of Karnataka.

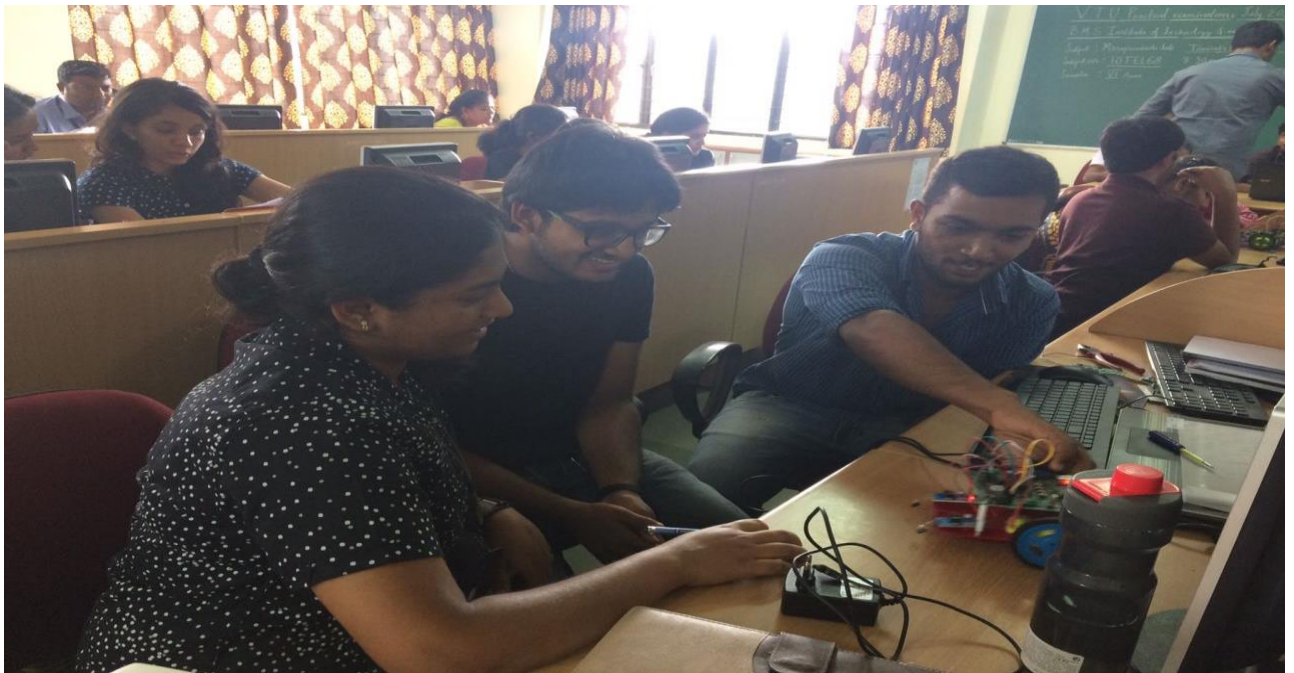
The workshop started with the welcome address by Sukhratha of 4th semester student TCE, Workshop Coordinator followed by the Inaugural address by Dr. C. S. Mala Citing the Robotics activities at TCE dept. She encouraged all the participants to become an active member of the club (Robotics) activities and help in the nation building processes by developing intelligent systems.

She also appreciated initiative taken by the Principal for project based learning in BMSIT&M a and highlighted the need of working as team in building sophisticated embedded systems and intelligent robots for betterment of society.

A 3 Day Workshop on Robotics Following the inauguration proceeded to hands on training session. The sessions were engaged by Gajendra Pratap Singh of Revert technologies, Delhi.

Each Team (size 3) in participants were provided a robotic kit, and accessories, for hands on. The training covered introduction to the robot, introduction to AVR microcontroller and programming environment, simple motion control using I/O ports, robot velocity control using pulse width modulation, sensor interfacing, interrupt programming, at the end of the hands on, participants have completed the projects on zig-zag line following robot, obstacles avoiding navigation etc.

Some Sample photos of Robotics Workshop



At the end of the workshop, Participation certificates were distributed to all participants. Four best Projects were selected among all and appreciated with Merit certificates.

The workshop was a wonderful experience for the all students, who could able to program and build different robots. It helps them in correlating the theoretical knowledge gained in classroom with hands on sessions.

Overall, it was a wonderful experience for our students and they really enjoyed the robotics workshop