



## TECHNICAL KNOWLEDGE

**Programming** C, C++, JAVA, Python, MATLAB, Open CV, Assembly level

**Mathematics** Probability theory, Random Processes, Fourier analysis

**Software** Multisim, Modelsim, MPLAB, Proteus, LabVIEW, AVRStudio, Atmel Studio, Eagle, SolidWorks

**Hardware** PIC18F4550, LPC2148, LPC1768, ATmega2560, Intel8085

## PROJECT EXPERIENCE

All Terrain Bot (MINI PROJECT- COLLEGE COURSE) Dec'16 – April'17

- Designing a bot capable of walking in all terrain. Inspired from RHex.

E-Yantra Ideas Competition – IIT BOMBAY Jan'17-March'17

- Designing a bot capable of walking in any terrain, Human detection using Image Processing techniques for Rescue operations

ROBOCON 2017;16;15 Aug'14-March'17

- Designing PCBs, Interfacing of sensors such as sharp, compass, zibee,etc. Power Management.

E-Yantra Robotics Competition – IIT BOMBAY Aug'16 – March'17

- Applied the concepts of Image processing, wireless communication, path planning algorithms, obstacle and crater avoidance to reach safely to the base station.

## **POSITIONS OF RESPONSIBILITY**

- Team Leader for e-Yantra Robotics competition, conducted by IIT, Mumbai and reached upto semi-final round of the competition.
- Event Coordinator of Clash- an online event conducted under Credenz, the technical festival of the PICT IEEE Student Branch.
- Member of PICT ROBOCON team for 3 years. Worked in electronics department.
- Team Leader for e-Yantra Ideas competition, conducted by IIT, Mumbai and were amongst the top-16 teams in India.

## **CO-CURRICULAR ACTIVITIES**

- Played a lead role in one act play which won the 51st prestigious Purushottam Karandak.
- Volunteered for teaching students and tree plantation drives in Pune.
- Represented our College Badminton Team in university Matches.
- Represented Maharashtra state in under-17 Cricket Tournaments.