

E-2,Nirant Society,  
Kothari blocks,  
Near Sahyadri Hospital,  
Bibwewadi,Pune



## OVERVIEW

I am a third year undergraduate student in the Electronics and Telecommunication department at the Pune Institute of Computer Technology. My research interest lies in Embedded Systems, Artificial Intelligence and Robotics.

## EDUCATION

Year	Degree	Institution (Board)	CGPA/
2014-present	Bachelor of Engineering	Pune Institute of Computer Technology (pursuing)	72.77
2014	XII	Fergusson College, Pune (H.S.C.)	92
2012	X	Kendriya Vidyalaya, Aurangabad (C.B.S.E.)	10.0 CGPA

## RELEVANT COURSES:

Micro Controller Applications and Embedded Processors, Digital Signal Processing, Signals and Systems, Data Structures and Algorithms, Control Systems, Object Oriented Programming, System Programming and operating System, Information Theory and Coding Techniques, Computer Organisation

## CERTIFIED COURSES

- PCB Designing                      July'16 – Sept'16
- Robotics Workshop and training program- Campus Component Pvt. Ltd                      Sept'14

## 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.