

Ganesh Bhalsing

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Academic Qualifications:

Year	Degree / Certificate	Institution	CGPA / %
2006 - present	Dual Degree, B.Tech (Hons) Electrical Engineering & M.Tech Instrumentation	IIT Kharagpur	8.45/10.00
2004	HSC(Maharashtra Board) (XII)	Fergusson College, Pune	85.17%
2002	SSC (Maharashtra Board) (X)	Model English School, Mumbai	88.53%

Scholastic Achievements :

- Selected to represent IIT Kharagpur in **Indo-German Winter Academy 2009**, organized jointly by University of Erlangen - Nürnberg, Germany and seven IITs.
- Received the German Academic Exchange Service (**DAAD**) **WISE Scholarship** (2009).
- Secured Certificate of Merit for State wise top 1% students (**NSEP**), **Physics National Olympiad 2004**.

Internships / Projects :

Organization : Honeywell Automation Limited India (HAIL), Pune, India **Period :** May – July 2008

- Designed a portable hardware kit, saving time and money, for on field mass testing of ‘**Access controller Product**’ & suggested modifications to existent testing methods.
- The prototype has been conceptualized into a product launched in 2008, now a prime offering of Honeywell.

Organization : University of Stuttgart, Germany **Period :** May – July 2009

- Developed a new generation programming method “CAN based bootloader” for programming Robocup robot.
- Achieved **100%** saving of programming device cost and **100** times faster performance.
- Secured **1st** place at **Robocup World Championship 2009(MSL)**, Austria. (Team – ‘RFC Stuttgart’)
- Authored a **scientific paper released at the Robocup Conference 2009** in Graz, Austria.

Organization : Heig-vd, University of Western Switzerland, Switzerland **Period :** May – July 2010

- Developed software modules for Human Machine Interaction & Path Planning of an autonomous domestic robot RH5Y towards participating in Robocup World Championship 2010.
- Number of tests cleared by the robot RH5Y at **Robocup@home World Championship Singapore, 2010** rose to 7 from 4 in previous year.

Term Papers : **Advisor : Prof. S. K. Barai, IIT Kharagpur**

- ‘Real Time Goal Centric Robot Navigation Using **Fuzzy Logic**’.
- ‘Target Centric Obstacle avoiding Robot motion: **A Neuro-Fuzzy Approach**’.
- ‘Fuzzy Rule optimization using **Genetic Algorithms** in motion planning’.

Positions of Responsibility :

Position, Organization	Period	Key achievements and duties
General Secretary Technology, Azad Hall	2008–09	Led Azad hall to win medals in 4 out of 5 Tech GC events held. Successfully maintained hall participation in Tech GC to 80 Students.
Technology Advisor , Azad Hall	2009-10	Ensured consistent levels of senior students’ participation in the Tech GC and assisted the GSec. Technology.
Captain , Product Design, Azad Hall	2009-10	Led a team of around 35 people to design a navigation aid for blind (‘EYES’) for the Inter-hall Nov’ 09 event.
Captain , Water-Polo, Azad Hall	2010-11	Formed and trained a team of around 12 people towards competing for Inter-hall Water-polo event, Mar’ 11.

Key Extracurricular Achievements :

- Selected for **Tata Jagriti Yatra 2010**, (a train journey across the nation focusing social entrepreneurship).
- Finalist of **Intel India Embedded Challenge 2010** - An Embedded design contest for students.
- Won **1st** prize at International Case Study Competition at Global Entrepreneurship Summit (GES), IIT Kgp, 2010.
- Won medals in events across all 3 General Championships.
 - 1 Gold Medal : Inter-Hall Case Study ’08
 - 2 silver Medals : Inter-Hall Hardware Exhibition ’10, Open IIT Dramatics’ 07 (Play-‘The Witch’)
 - 2 Bronze Medals : Inter-Hall Hardware Exhibition ’08, Water-Polo ’08
- Awarded the **C. V. Raman cup 2008-09**, Azad Hall, for contribution towards technology events.