



ACADEMIC QUALIFICATIONS

| Examination/Degree | Year | University/School | %Marks/CGPA |
|-------------------------------------|------|--------------------------------|-------------|
| Dual Degree(Mechanical Engineering) | 2011 | IIT Kharagpur | 8.60/10 |
| AISSEE | 2006 | Jamshedpur Public School, CBSE | 87.8% |
| AISSE | 2004 | Jamshedpur Public School, CBSE | 91.4% |

ACADEMIC DISTINCTIONS

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|--------------------------|--|
| Competitive Examinations | <ul style="list-style-type: none"> All India Rank 1394 in IIT JEE among 350,000 students, 2006 All India Rank 1054 in AIEEE among 300,000 students, 2006 All India Rank 91 in NATIONAL SCIENCE OLYMPIAD, 2001 |
| Scholastic Achievements | <ul style="list-style-type: none"> Ranked 5th among 33 dual degree students in the department of mechanical engineering Amongst the 5 selected students from IIT Kharagpur for the IIT Internship Program, 2009 of Melbourne School of Engineering Recipient of the 1st Young Scientist Award, 2006 of Jamshedpur Public School created specially to recognize budding scientific talent Qualified for the national level (top 1 %) of National Physics Olympiad, 2006 Winner of Mathematics Olympiad organized by Chottanagpur Mathematical Society, 2004 at district level Silver merit certificate in National Cyber Olympiad, 2003 |

SELECT PROJECTS AND INTERNSHIPS

B.TECH PROJECT, IIT Kharagpur July'09-April'10

- Amongst ten projects nominated for the **Best B.Tech Project** Award out of 130 projects of mechanical engineering
- Applied friction model to the constant pressure analysis of the ejector used in **steam jet refrigeration** systems to realize its potential as an efficient and eco-friendly **alternative** to actual refrigeration systems in **future**

INTERNSHIP, University of Southern California, Los Angeles May'09-July'09

- Only student from the department of **mechanical** engineering(**total 10** from IIT Kharagpur) to be selected for the internship and **sponsored** by **InfoUSA Inc**
- Experimentally studied the performance of heat re-circulating combustors (swiss roll burners) under dynamic/transient conditions to realize its **application** as a possible active **gas mask**(Project sponsored by **Department of Defence, USA**)
- Submitted** a paper "Numerical and experimental study in heat-recirculating burner", C.H.Chen, Sandeep Gowdagiri, Saroj Kumar, and Paul D. Ronney for the poster session at the 9th **International Workshop** on Micro and Nanotechnology for Power Generation and Energy Conversion Applications, PowerMEMS 2009 at **Washington DC, USA**

INTERNSHIP, University of Erlangen, Germany May'10-July'10

- Awarded **DAAD WISE scholarship** for research stay in University of Erlangen, Germany,2010
- Applied absolute nodal coordinate formulation using MATLAB to glass fibres suspended in polymer fluids for **deformation analysis** of composite polymers used for building light weight automotive components

INTERNSHIP, XLRI, Jamshedpur (Prof. R.K.Kakani) May'08-July'08

- Cost Analysis** of the products of three manufacturing firms based in Jamshedpur
- Analyzed, documented and **prepared case studies** based on the cost accounting practices of the three firms

POSITIONS OF RESPONSIBILITY

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| Head and Founding Member, FormulaSAE IITKGP Team | <ul style="list-style-type: none"> Worked with a team of around 30 members leading to the foundation of the FormulaSAE Team of IIT Kharagpur, involved in building a prototype formula race car Headed a team of 9 members in the engine team and guided them in the initial phases for the understanding of engine basics and the selection of the primary design of engines |
| Secretary, Entertainment Sub-Committee, R.K Hall of Residence | <ul style="list-style-type: none"> Ensured proper representation of Radhakrishnan Hall of Residence in inter hall musical competitions leading to two silver medals Managed a budget of INR 26000 Awarded the "Best Secretary", R.K. Hall of Residence for session 2007-2008 |

INTERESTS/ACTIVITIES

- Member of Inter-hall Dramatics and Elocution teams
- Participated in a two weeks long NCC camp
- Member of NSO athletics team
- Active volunteer in group activities such as Illumination for the past four years