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ACADEMIC QUALIFICATIONS

Examination	Year	Board/University	%/CGPA
Dual Degree (Btech & Mtech) Mechanical Engineering	2011	IIT Kharagpur	7.89
CLASS XII	2006	West Bengal Board	81.4
CLASS X	2004	ICSE	94.6

ACADEMIC DISTINCTION

- Received grant of 20k rupees from **Department of Science and Technology** Govt of India to carry out project in renewable rural energy sources.
- Consistently ranked among the top 2 in class throughout school from 1991-2004.
- Ranked 1st out of 84 students in Std. X Board exams in my school.
- Received highest grade 'A' in the batch for the course Genetic Algorithm in Engineering Process Modelling.

WORK EXPERIENCE / INTERNSHIP

Tata Steel, Research & Development Division, Jamshedpur **May 09- June 09**

- Carried out experiment on Interface Generation between Two Phases due to Gas Jet Interaction in High Density Surrounding.
- The experimental result was compiled and study of the experimental data led to better lance designing used in the LD steel making.
- Team Leader of 2 member team.

Recognitions

- Received excellent feedback from TATA Steel as a part of my evaluation of the project.
- Recommended for a collaborated project in FMP Technology, Germany with Tata Steel.

FMP Technology GMBH, Erlangen, Germany

May 10- July 10

- Numerically optimized the various parameters and designed an efficient die used in Zinc coating of wire.
- The result was compiled and it led to reduction of the cost incurred in the coating process. The removal of extra coating material was no longer needed.
- Weekly presentation to Research Guide.

PROJECTS

- Numerical Study of Gas Jet Expansion in Dense Surrounding. The project was in collaboration with Tata Steel. The result of the project helped in efficient designing of lance in LD steel making process.
- Numerical Computation of Pressure Drop in Transportation of Dry Ash in a Pipe Line. This would enable efficient design of pipe lines for ash transportation.
- A numerical study of the squish-jet combustion chamber. The study led to a greater understanding of the flow processes inside these complex combustion chambers.
- Genetic Algorithm based optimization method for maximizing strength of I-section beam using minimum amount of material.

RELEVANT COURSES

- Production Planning and Process Control, Introduction to Financial Management, Economics.

POSITIONS OF RESPONSIBILITY

- Core member of Design team of Inter Hall Illumination competition-2008
- Member of Inter Hall Rangoli competition-2008.
- Group leader of a team of 30 cadets of NCC. Awarded the highest grade in the NCC B certificate examination.
- Boy's vice-captain for the session 2003-2004. Was class representative from std. V-IX

EXTRA-CURRICULAR ACTIVITIES

- Selected to the finals of prestigious all India **GE Edison Challenge 09**. Our team was among the top 18 teams selected all over India.
- Member of ASME.
- Conducted survey in the nearby village of Kharagpur, Rangamatia and gave solution to their Energy and Sanitation Planning Problems.