Ashim Sarkar

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Date of Birth: 25 October, 1988.

Education

Year	Degree/ Certificate	Institute/ School, City	CGPA/ %	Rank
2007-2011	B.Tech. Manufacturing Science and Engineering.	IIT Kharagpur	7.90	9
2007	Class XII: ISC	St. Xavier's Institution	97.3	1
2005	Class X: ICSE	St. Xavier's Institution	95.3	1

- Scholastic achievements:

  1. Ranked among the top 10 students in the state of West Bengal in Class X Board exams.
  2. Ranked among the top 10 students in the state of West Bengal in Class XII Board exams.
  3. IITJEE Rank (2007) : 396(sc)
  4. WBJEE Rank(2007): 25(sc)

- Key academic projects undertaken:

  1. Design of Heater for use in Vacuum Brazing, under Prof. Soumitra Paul of Mechanical Engg. Dept. of IIT Kharagpur.: It involves analyzing the Heat Flux and Temperature Fields produced during Vacuum Brazing, which is a process used for fabricating cBN Grinding Wheels, and thereby designing a heater which would give the best performance under these conditions. There are various simulations which are to be carried out in ANSYS and then the design would be finalised.
  2. Finite Element Analysis of Stress Distribution using MATLAB under Prof. Vikranth Racherla of Mechanical Engg. Dept. of IIT Kharagpur.: The project involves FEM analysis of a Beam subjected to Stress Distribution using Matlab computational software, which incorporates problem formulation and its interpretation in the FEM domain.

Summer Training

Organization: New Allenberry Works **Department:** Mechanical
       City: Kolkata   Period: May - June 2010

- To study and improve the process of Gears and Gear-Box Fabrication. I studied the various approaches followed in the gear manufacturing process and performed a detailed analysis of the gear fabrication methods. Using the results obtained I could suggest to the company improved procedures which would make the process more economical and efficient, thereby satisfying the goals of the project. :

Computer Skills

- Language: C, C++,Java, HTML

- Computational and Simulation software: Matlab, Ansys, EES

- Design software: AutoCad, AutoDesk Inventor, Solidworks.

Extracurricular Activities

- Key Extracurricular Activities

  1. Member of the Corporate Management Group of Kshitij 2009, the annual Techno-Management Fest of IIT Kharagpur
  2. Member of the quiz team of MS hall of residence
  3. Member of National Service Scheme (NSS) during the years 2007-08.