**Saurabh Gupta**

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**EDUCATIONAL QUALIFICATION**

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| **Year** | **Degree** | **Institution** | **CPI/ %** |
| 2016 (expected) | B.Tech - Computer Science | The LNM Institute Of Information Technology | 6.6 |
|  |  |  |  |
|  | Class XII (Rajasthan Board) | St.Edmunds School,Jaipur | 72% |
| 2007 | Class X (Rajasthan Board) | India International School,jaipur | 81.2% |

**ACADEMIC ACHIEVEMENTS**



* **Ranked Second (2nd)** out of 84 students**,** Department of Mechanical Engineering, IIT Kanpur
* Secured **State rank Third (3rd)** in Intermediate Board examination (2009) out of over 2 million students who appeared
* **Stood Sixth (6th)** in UPTU-SEE (State Entrance Examination) 2009 among 400,000 others **(99.99 percentile)**
* Attained **12th** **Rank in State** Merit List out of more than 3 million students appeared in High school board exam 2007
* Awarded the **Academic Excellence Award twice** (2009-10 and 2010-11) for being among the **top 7%** students of the batch
* Recipient of the National Talent Search Examination **(NTSE) Scholarship** (2007) awarded by NCERT
* Received **Letter of Appreciation** amongst 65 Manufacturing course projects for **Uniqueness in Design,** 2010



**SUMMER INTERNSHIP** **TU Darmstadt, Germany (DAAD Scholarship)** *(May’12-Jul’12)*

**“Numerical Investigation of Heat Conduction during Steel Plate Manufacturing”**

* This study is the **first attempt ever** to understand the heat transfer during rapid cooling of stainless steel plate in steel industry
* Performed **simulations** in **Ansys Fluent** to determine time variation of temperature in cylindrical specimen during jet cooling
* **Identified** reason for slight disagreement with experimental data and suggested possible alternatives to attain **97 % agreement**

**B.TECH. PROJECT** **DRDO Live Project** *(Jul’12- present)*

**“Development of Cooling System for Laser Weapons”**

* Designing and fabricating a compact **1.5 kW** cooling system to meet weight, size and power requirements of laser weapons
* **Enhanced** heat transfer coefficient **10 times** by replacing conventional sensible cooling from Spray Cooling

Practical Application: **Futuristic Defense Weapons,** computer electronics and high power cooling systems

**POSITIONS OF RESPONSIBILITY**

**Team Head Avanti Fellows (Kanpur Chapter)** *(Apr’12 – Present)*

*Avanti is a Pan IIT initiative and a 2012 Echoing Green Fellow that helps bright, low-income students gain admission to India’s best universities*

* **Spearheaded operations** by recruiting and leading a **3-tier team** of 6 Managers, 25 Mentors and 5 Fellow-search Coordinators
* Scoured the city to establish an **outreach** at **80 schools** wherefrom **1000 underprivileged students** were screened rigorously
* Restructured the fellow selection process by bringing in **an in-person assessment stage** that focuses on problem-solving approach as opposed to evaluating by final answer
* Created and maintained the profiles of **all 33 fellows** through assessing academic performance, motivation and attendance
* Increased publicity channels by forging partnerships with Rotary Club, Indian Industries Association (IIA), individuals like

**District Magistrate** city (in progress) and through articles in **7 newspapers** including **Dainik Jagran** & **Times of India**

**Coordinator** **Hindi Sahitya Sabha (Cultural Council, IIT Kanpur)** *(Apr’11 - Mar’12)*



* Partnered with Hindi Cell to launch **IITK’s** **first Hindi magazine** ‘Antas’, representing IITK in 200 colleges (including IITs, NITs)
* Produced and aired over **30 Radio shows** on IITK campus radio**,** with formal acknowledgement by **Hindustan Times**
* **Pioneered innovations** such as English Terminology classes (in conjunction with Counseling Service), Hindi Diwas, HindiLearning Classes, online competitions, panel discussions and content documentation
* As **Coordinator, Hindi Literary Events, Antaragni’11**, introduced 5 new events and stepped up the budget allocation

**President** **Association of Mechanical Engineering (AME), IIT Kanpur** *(Apr’11 - Mar’12)*



* Overlooked entire logistics for **15 days long Industrial Trip** (Nerolac Paints, ACG) in Mumbai, Pune and Goa for 35 students
* **Convinced** the Head of Department to conduct an Industrial Trip for second year students to Delhi, for the **first time in AME**
* Increased **student faculty interaction** through **refining** Happy Hour, Freshers’ & Farewell and initiating ME Football league

**EXTRA CURRICULAR ACTIVITIES**

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|  | Counseling |  **Student Guide** *(2010-11)*: Mentored 7 freshmen & helped them settle comfortably in the IITK environment |
|  | Service |  **Link Student** *(2011-12)*: Assisted 2 students to come out of academic probation through regular monitoring |
|  |  |  |
|  |  |  As **Assistant-Coordinator**, **Robogames** conceived an **original** ‘Robot’s Got Talent’ event, drafted its rules, in |
|  | Managerial | executing it during Techkriti’11, Annual Technical Festival of IIT Kanpur |
|  |  |  **Presided** overStudents’ Council to conduct various student activities at school (BNSDSN, Kanpur) |
|  |  |  |
|  | Competitions |  Winner of **more than 50** Debate competitions; writing competitions; quiz competitions at **District/State level** |
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