



## ACADEMIC PROFILE

Year	Degree / Examination	Institute /School	% / CGPA
2011	B. Tech. (Honors), Mechanical Engineering	Indian Institute of Technology Kharagpur	8.71/10.00
2007	Class XII (Board of Secondary Education, Rajasthan)	Maa Bharati Senior Secondary School, Kota	84.85%
2005	Class X (Board of Secondary Education, Rajasthan)	Saint Soldier Senior Secondary School, Tonk	82.83%

## SCHOLASTIC ACHIEVEMENTS

Ranks	<ul style="list-style-type: none"> <li>Rank 5 among 45 B. Tech. students of my batch in my department</li> <li>All India Rank 1051 (percentile &gt;99.65) in IIT-JEE 2007   All India Rank 494 (percentile &gt;99.89) in AIEEE 2007</li> <li>Ranked 1<sup>st</sup> in my class for 10 consecutive years till class IX, and 5 times obtained highest percentage in the entire school</li> </ul>
Scholarship Exams. & Certifications	<ul style="list-style-type: none"> <li>Awarded by the Governor of Rajasthan for obtaining 8<sup>th</sup> rank in All Rajasthan Talent Scholarship Award Exam-2003</li> <li>Achieved 1<sup>st</sup> Position in Divisional Talent Search Competition-2007, conducted by CLC and Patrika In Education (P.I.E.)</li> <li>NCFM Certification: Derivatives Market (Dealers) Module   Investment Analysis and Portfolio Management Module</li> </ul>

## MAJOR ACADEMIC PROJECTS

B. Tech. Project	<b>Modeling of a Tri-generation system</b> for power, refrigeration & heat requirements of a Dairy Plant (Aug 2010- present) <ul style="list-style-type: none"> <li>Work is in initial stage, relevant literature review and basic modeling of the Tri-Generation system are done</li> </ul>
Term Project	Risk assessment through <b>path and travel time analysis</b> using Neural Network and Fuzzy Logic (Aug-Oct, 2009) <ul style="list-style-type: none"> <li>Prepared &amp; demonstrated a successful <b>real time</b> computer model of a <b>supportive surveillance system</b> for a public place</li> <li>Suggested an <b>independent intelligent surveillance system</b> for public places &amp; for <b>traffic</b> surveillance</li> </ul>
Project	<b>Modeling of Cooling storage and Temperature profile in a pool of refrigerant during nocturnal cooling</b> (Jan-Feb, 2010)

## SUMMER INTERSHIPS

Spectral Services Consultants Pvt. Ltd., Noida	Spectral Sustainability Group	3 <sup>rd</sup> May - 2 <sup>nd</sup> July, 2010
Work Done	<ul style="list-style-type: none"> <li>Worked on various <b>ongoing live projects</b>, implementing concepts &amp; standards related to Green buildings, HVAC system design &amp; selection, Total energy consumption modeling of buildings and Energy consumption minimization in buildings</li> </ul>	
Achievements	<ul style="list-style-type: none"> <li>Determined the <b>most energy efficient</b> HVAC system for Lotus Business Centre, Noida</li> <li>Achieved <b>18.8%</b> total energy <b>savings</b> (over ASHRAE 90.1 baseline model) for <b>ISB, Mohali</b>, with Heat Recovery System</li> <li>Proposed <b>Energy system models</b> for <b>ONGC</b>, Dehradun and <b>Hotel Dusit Thani</b>, Delhi; yielding <b>26.4%</b> and <b>17.6%</b> total energy <b>savings</b> respectively (compare to corresponding ASHRAE 90.1 baseline models)</li> </ul>	
Bosch Ltd. Jaipur Plant, Jaipur	Logistics Department	26 <sup>th</sup> May - 3 <sup>rd</sup> July, 2009
Work Done	<ul style="list-style-type: none"> <li><b>Analyzed the Packing Shop</b> and presented proposals for <b>improvement</b> in efficiency &amp; work environment</li> <li>Learnt concepts related to Logistics like <b>Bosch Production System</b>, <b>5S</b>, <b>Milk Run</b>, <b>Continuous Improvement Program</b></li> </ul>	
Achievements	<ul style="list-style-type: none"> <li>Created a new <b>layout</b> of the Packing Shop facilitating <b>better material flow</b> and <b>&gt;25% increment</b> in total <b>storage area</b></li> <li>Prepared a framework for <b>reprocessing</b> of unsold packed items worth approximately <b>INR 3.9 million</b></li> <li>Proposals got <b>recommendation</b> from the Project Guide for consideration of the Logistic Department Head</li> </ul>	

## POSITIONS OF RESPONSIBILITY

Placement Representative	<ul style="list-style-type: none"> <li><b>Only one</b> nominated from total 66 Final Year B. Tech. Students of <b>Mechanical Engineering Department</b> (2010-11)</li> <li>Responsible to act as a <b>link</b> between the Department and Central T&amp;P Office</li> <li>Created the <b>Department-Profile</b> to be forwarded to various companies visiting for placement</li> </ul>
Social and Cultural Advisor	<ul style="list-style-type: none"> <li>Nominated by more than <b>350</b> boarders of <b>Azad Hall of Residence</b> (2010-11)</li> <li>Responsible to ensure quality participation from the hall in <b>22 round-the-year Social &amp; Cultural Inter Hall Events</b></li> <li>Responsible to ensure the smooth conduction of the annual '<b>illumination</b>' event and other Social &amp; Cultural events</li> </ul>
Fine Arts Secretary	<ul style="list-style-type: none"> <li>Elected by more than <b>350</b> boarders of <b>Azad Hall of Residence</b> (2008-09)</li> <li>Led the hall to <b>1<sup>st</sup> position</b> in the <b>Inter Hall Fine Arts Cup</b> from 5<sup>th</sup> position of previous year</li> <li>Managed a team of 11; Fine Arts team won <b>Best Costume and Sets</b> award in <b>Inter Hall Dramatics</b> event</li> </ul>

## EXTRA-CURRICULAR/CO-CURRICULAR ACHIEVEMENTS

Technical	<ul style="list-style-type: none"> <li>Won <b>C.V. Raman Cup</b> 2010 for best contribution (in Inter Hall Technology Events) amongst all 3<sup>rd</sup> years of my hall</li> <li>Member of Case Study Team of my hall; <b>Gold</b> (2009-10), <b>Bronze</b> (2008-09) in <b>Inter Hall Case Study</b> event</li> <li>Part of Product Design and Hardware Modeling teams of my hall</li> </ul>
Literary	<ul style="list-style-type: none"> <li><b>Gold</b> winner in <b>Open IIT Hindi Elocution</b> 2008-09</li> <li><b>Gold</b> winner in <b>District Level Inter School Debate</b> 2004-05</li> <li><b>Silver</b> winner in <b>District Level Inter School On the Spot Essay Writing Competition</b> 2004-05</li> </ul>
Sports	<ul style="list-style-type: none"> <li>Part of <b>Gold</b> winning team of my hall in <b>Inter Hall Cricket Tournament</b> 2008-09</li> <li>Part of <b>Bronze</b> winning team in <b>District Level Inter School Badminton Tournament</b> 2002-03</li> </ul>
Community Service	<ul style="list-style-type: none"> <li>Served as <b>N.C.C.</b> (National Cadet Corps) cadet and passed <b>N.C.C. 'B' Certificate Exam</b> successfully</li> <li>As a <b>Scout</b>, achieved <b>Rajya Puraskar</b>; then <b>got selected</b> for <b>Rashtrapati Award</b> (highest award for a scout) <b>Test Camp</b></li> </ul>