

**Name: Ankur Sinha**

**Roll no: 06ME3113**

**Phone no: 9932571332**

**Email: ankursinha16@gmail.com**

### Academic Profile

Year	Institute	Degree/Certificate	%/CGPA	Rank
2006-2011	I.I.T. Kharagpur	Dual degree in Mechanical Engineering with M.Tech specialization in Manufacturing Science & Engineering	8.70/10 (till 8 <sup>th</sup> semester)	Department rank-4/45
2006	Little Flower School, Jamshedpur	Std XII (ICSE Board)	96.75 %	School rank-1/100
2004	Little Flower School, Jamshedpur	Std X (ICSE Board)	95.80 %	School rank-4/150

### Academic Achievements

Scholarships	<ul style="list-style-type: none"><li>▪ <b>D.A.A.D Scholarship</b> awarded by the <b>German Government</b> for research internship in Germany, 2009.</li><li>▪ Received the coveted <b>Tata-Hitachi Scholarship</b> awarded by <b>Tata Motors Ltd.</b> and <b>Hitachi Ltd.</b> for exemplary academic &amp; extra-academic performance, 2006.</li></ul>
Awards	<ul style="list-style-type: none"><li>▪ Received <b>Silver &amp; Bronze medals</b> at the <b>International Young Mathematicians' Convention</b>, City Montessori School, Lucknow, India, 2004.</li><li>▪ Received the <b>Best outgoing Academician &amp; Best outgoing Mathematician</b> award in school, 2003.</li></ul>

### Projects

Industrial Internship	<b>Larsen &amp; Toubro, Mumbai</b>	May-July, 2010
<ul style="list-style-type: none"><li>▪ <b>Department:</b> Product &amp; Technology Development Centre, Heavy Engineering Division.</li><li>▪ <b>Achievements:</b> Designed &amp; simulated an autopilot control system of a missile-like aerial body. (Defence project)</li></ul>		
Industrial Internship	<b>Tata Motors, Jamshedpur</b>	May-July, 2008
<ul style="list-style-type: none"><li>▪ <b>Department:</b> 5000 Tonne Press Shop of the Truck Factory &amp; Vehicle Dispatch Division.</li><li>▪ <b>Achievements:</b> Suggested an improvement method to rectify short flange height problems in the long members produced.</li></ul>		
Research Internship	<b>TU Braunschweig, Germany</b>	May-July, 2009
<ul style="list-style-type: none"><li>▪ <b>Achievements:</b> Comprehensively studied and made a comparative analysis of different Piezoresistive materials for their potential applications in micro-force, pressure sensors in microelectromechanical systems (MEMS).</li></ul>		
B.Tech & Current M.Tech Project	<b>IIT Kharagpur</b>	August, 2009-present
<ul style="list-style-type: none"><li>▪ <b>Achievements:</b> Designed and simulated a Bond Graph based dynamical model of an impedance-controlled four-fingered robotic hand for object grasping and manipulation.</li></ul>		

### Positions of Responsibility

- **Governor for English of Literary Society** of IIT Kharagpur, 2008-2009.
  - ✓ Head of editorial team of **Alankar-2009**, the Annual Institute Magazine.
  - ✓ Co-founder & editor of **Hang-On**, the monthly campus wall magazine.
  - ✓ Initiated & co-founded the **Debating Club** of IIT Kharagpur.
- **Head** of first-ever **Parliamentary Debate** event in **Spring Fest**-the social & cultural festival of IIT Kharagpur, 2009.
- **Captain of Hindi Elocution team**, Nehru Hall of Residence, 2010-11.
- **Secretary, Student Council, Little Flower School, 2003.** Responsible for organizing & managing all the students' activities. Also successfully organized **Odyssey-2003**, the Intra School Social & Cultural Festival.

### Extra-Curricular Activities & Achievements

Activities	<ul style="list-style-type: none"><li>▪ Recipient of the prestigious "<b>Rashtrapati (President of India) Scout Award</b>", 2003.</li><li>▪ Completed full course in "<b>Effective Communication</b>" conducted by <b>Trinity College, London</b>, 1998-2001.</li></ul>
Dramatics	<ul style="list-style-type: none"><li>▪ <b>Gold, Silver &amp; Bronze medals</b> in Inter-Hall Bengali Dramatics, Choreography, 2008 &amp; Hindi Dramatics, 2009.</li><li>▪ Also represented my hostel in Inter-Hall Hindi Dramatics, 2010.</li></ul>
Literary	<ul style="list-style-type: none"><li>▪ <b>Silver medal</b> in Inter-School Hindi Creative Writing hosted by Shiksha Prasara Kendra, Jamshedpur, 2004.</li><li>▪ <b>Gold medal</b> in Annual English Elocution in class 10, 2003.</li></ul>
Music & Others	<ul style="list-style-type: none"><li>▪ <b>Silver and Bronze medals</b> in Inter-Hall Western Groups and Eastern Groups, 2008 respectively.</li><li>▪ <b>Gold medals</b> in consecutive intra-school Antakshari competitions, 1999-2000.</li><li>▪ <b>Silver medal</b> in Collage in Wheels, 2000 an inter-school soc-cult event organized by Tata Motors, JSR.</li><li>▪ <b>Individual Championship Award</b> in Odyssey, 2000 for overall outstanding performance.</li></ul>