

**DEEPAK AGARWAL (07IE1012)**  
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Education			
Year	Degree/Certificate	Institute/School	Marks/CGPA
2007-11	B.Tech, Instrumentation Engineering, Department of Electrical Engineering IIT Kharagpur	Indian Institute of Technology, Kharagpur	8.06/10 at the end of 6 <sup>th</sup> semester.
2006	Class XII, CBSE Board	Delhi Public School, Dhanbad	89.4%
2004	Class X, CBSE Board	Dhanbad Public School, Dhanbad	90.2%
Internships/Projects			
<u>Summer Intern 2010 : Michigan State University, USA , Under Dr. Jongeun Choi</u> <ul style="list-style-type: none"><li>Aim of the project was development of <b>Remote Aquatic Sensor Network</b> for Environmental Sampling</li><li>Developed software for Wireless Network Communication between the robotic sensors and the master computer</li><li>Proposed and implemented hardware design for robot recovery system used in case of any system failure</li><li>Involved in testing and design of the overall hardware system</li><li>Developed Graphical User Interface for the master computer</li></ul>			
<u>Summer Intern 2009: University of Applied Sciences, Giessen, Germany, Under Dr. Ubbo Ricklefs</u> <ul style="list-style-type: none"><li>Aim of the project was development of a <b>Surface Plasmon Spectrometer</b></li><li>Formulated a statistical algorithm to find the propagation constants of various modes in optical fibers by employing the out-coupling image of a fiber as input to the image analysis</li><li>Developed GUI for the overall system.</li></ul>			
<u>Ongoing B.Tech Project under Prof. Anirban Mukherjee</u> <ul style="list-style-type: none"><li>Aim of the project is to develop a system for examination and detection of injuries in the knee joints</li><li>Involves use of digital signal processing on audio signal obtained from knee joints using low noise microphones</li></ul>			
Academic Distinctions			
<ul style="list-style-type: none"><li><b>All India Rank: 1248</b> in IIT Joint Entrance Examination 2007; within top 0.5 % of 250,000 appearing candidates</li><li><b>All India Rank: 1012</b> in AIEEE (All India Engineering Entrance Examination) 2007; within top 0.17% of 600,000 appearing candidates</li><li>Was awarded <b>CBSE Merit Certificate</b> in Mathematics (<b>top 0.1%</b> student in India) in class X</li><li>Was awarded <b>Scholar's Badge</b> for brilliant academic performance in Delhi Public School</li></ul>			
Co-curricular and Extra-curricular Activities			
<ul style="list-style-type: none"><li><u><b>GE Edison Challenge 2009, GE Research Centre, JFWTC, Bangalore</b></u><ol style="list-style-type: none"><li>Finalist of the GE Edison Challenge among <b>18 teams from all over India</b></li><li>Designed and tested micro-hydro power plant to improve the efficiency of agricultural pumps in rural areas using a cross -flow turbine</li></ol></li><li>Finalist of Overnite C Programming Competition held in <b>Khsitij 2010</b></li><li>Member of National Sports Organisation(NSO) in Cricket in 1<sup>st</sup> and 2<sup>nd</sup> year</li></ul>			