

ASHISH GUPTA**B.Tech Electrical Engineering****UG (IV Year I Semester)****Registration No : BT/EE/060223/10****E-mail ID : guptaashish.iitr@gmail.com****Indian Institute of Technology Roorkee****Area(s) Of Interest : Microprocessors, Power Electronics.**

Educational Qualifications	Year	Board/Institution	CGPA*/ %
UG (III Year II Semester)	2009	IIT Roorkee	8.214
Twelfth Class	2006	R.K.M. Collegiate Senior Secondary School, Patiala (PSEB)	81.780
Tenth Class	2004	Our Lady Of Fatima Convent High School, Patiala (CBSE)	90.400

*GPA on a scale of 10

INTERNSHIP**University of Applied Sciences Bonn-Rhein-Sieg, Germany****Arm Movement Detection of Cyclist from bird view using OpenCV (May, 2009 to July, 2009)**

Developed an interface to detect the arm movements of a cyclist from bird view in project FIVIS (Bicycle Driving Simulation in the Immersive Visualisation Environment Immersion Square). The developed system was fully integrated with the cycle simulator to record the arm movements for verification at later stages.

GlaxoSmithKline Consumer Healthcare Ltd., Nabha (Punjab)**Load Reduction to accomodate upcoming projects within existing load (May, 2008 to June, 2008)**

During this 6 weeks internship, I worked with the Electrical Department on load reduction and steps to accommodate load for various upcoming projects within existing load as approved by PSEB (Punjab State Electricity Board) and successfully implemented the same. Total load consumption in the whole plant and offices was tabulated and possible areas with solutions were highlighted.

PROJECTS**Uttara Portal, A Govt. of Uttarakhand Project****Implementation of JeSIC Services in districts of Uttarakhand (Oct, 08-Mar, 09)**

Implemented JeSIC Services Application developed originally by TCS in two major districts (Almora, Ranikhet) of Uttarakhand for which was paid Rs. 20000/- as an appreciation. The application is hosted on <http://www.uttara.in> and developed in EJB with IBM DB2 database.

Information Management Group (IIT Roorkee)**REGOL (Registration Online) (Aug, 07-May, 09)**

REGOL is an online subject registration portal where over 4000 students of IIT Roorkee do subject registration every semester. The application built using Struts Framework was extended and implemented for PhD students. Worked as Chief Programmer and Project Coordinator for two years.

IIT Roorkee (B.Tech Project)**Development of Multilevel Rectifier with improved power quality (Aug, 09-Ongoing)**

To develop a multilevel rectifier system with improved power quality by improving power factor and reducing current distortion. The same would be first simulated in MATLAB before real time implementation. Microcontroller based circuit would be used for triggering pulses.

SKILLS AND ACHIEVEMENTS

Computer Languages:	C/C++, PHP, HTML, Java, Struts Framework, PostgreSQL, Shell Scripting.
Software Packages:	MATLAB, PSpice, NetBeans, Dreamweaver.
Academic Achievements:	Awarded WISE Scholarship by DAAD to carry out research project in Germany. Secured AIR 25 in National Science Talent Search Examination. Awarded Certificate for being in top 1% students at state level in National Physics Olympiad. Awarded Merit Scholarship for academic excellence by PSEB. Was among the top 0.1% students awarded by the CBSE for excellence in Mathematics. Secured state rank 10 in AIEEE.
Additional Courses Taken:	Computer Systems and Programming, Microprocessors 8085/86/88 Programming and Interfacing, Management Concepts and Practices.
Languages Known:	English (S/R/W); Hindi (S/R/W); Punjabi (S/R/W);

EXTRA CURRICULARS

Chief Coordinator, Information Management Group (IMG) (2009)

Held the positions of a Hub Coordinator (in 2007), Project Leader (in 2008) and presently the Chief Coordinator of the Information Management Group (IMG). IMG, a team of about 40 students, is responsible for the development and maintenance of Institute Website and various other software solutions for the Institute Intranet such as Placement Portal, Registration Online, E-Notice Board and many more.

TeChase Coordinator, Cognizance'08/09 (2008-2009)

Organised TeChase, an online treasure hunt event during Cognizance, institute's annual technical festival. Event attracted nationwide participation of over 1000.

Web Designer, Cognizance'07 (2007)

Developed and maintained the website of Cognizance'07.

Cognizance'09 (2009)

Won first prize in Access Denied (Enquesta) and in Chracked (Online Hacking Competition).

Himalayan Explorer's Club (2008)

Active member of HEC . Participated in various trekking and rafting events.

National Service Scheme (NSS) (2006-2007)

Participated in various activities like helping underprivileged children in education, fund collection for earthquake victims and initiated bi-annual drive of newspaper recycling.

PERSONAL DETAILS

Fathers name :	ANIL KUMAR GUPTA	Date of Birth :	07-10-1988
Gender :	Male	Category :	General
Permanent Address :	15, Jiwan Complex, New Officers Colony, Patiala (Punjab) - 147001		
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REFERENCES

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