



Area(s) Of Interest : Embedded Systems, Semiconductor Devices and Physics, Data Structures and Algorithms, Control Systems and Industrial Automation, Signal Processing, Microcontroller based Control Robotics, Artificial Neural Networks.

Educational Qualifications	Year	Board/Institution	CGPA*/%
UG (II Year II Semester)	2011	Indian Institute of Technology, Roorkee	9.287
Twelfth Class	2009	Crown Public H.S. School,Ujjain(M.P.)	89.200
Tenth Class	2007	Kendriya Vidhyalaya Barwaha, dist.Khargone(M.P.)	94.200

*GPA on a scale of 10

INTERNSHIP

Yokogawa India Limited, Bangalore

Industrial Process Control and Automation (May #11 to June #11)

The training cum internship focused on the implementation of Industrial Process Control and Automation as well as Industrial Safety in a process plant. Underwent training on CS-3000 Distributed Control System (DCS) and ProSafe-RS (TUV-Rhineland Certified Process Safety equipment) hardware as well as software and implemented the same for auxiliary power plant of M/S Baldev Alloys Pvt. Ltd as a part of the Systems Team.

PROJECTS

IIT Roorkee

Study and Design of Finfets for desired characteristics (August 2010 - present)

This project focuses on implementation of Finfet design to obtain desired characteristics using Santaurus TCAD software platform and then device a method for detection of the threshold voltage using the characteristic graphs. This project is carried forward under the guidance of Dr. A. Bulusu.

Electronics Section, Hobbies Club, IIT Roorkee

Home Automation System (SRISHTI 2011)

Designed a home automation system which featured provisions for automatic power switching of lights and fans depending on the human occupancy of the room and automatic opening and closing of doors .Sensors such as light dependent resistors and sharp sensors, solenoid actuators, solid state relays etc/ were interfaced with a AVR ATmega32 microcontroller to perform these tasks.

IIT Roorkee

Study and implementation of combinational logic circuits (October 2010 -November 2010)

This project focuses on implementation of hardware. It receives the data in any form (decimal, octal, hexadecimal)& converts it into binary form. It then compares the two numbers received using comparator designed. This has been completed the project under Dr. Sudeb Dasgupta as per the course #Digital Electronics#.

SKILLS AND ACHIEVEMENTS

Computer Languages:

C/C++, Java, Assembly Language-Intel 8085/8086, VHDL, Verilog, HTML, XHTML, CSS, Javascript.

Software Packages:

Matlab, Orcad, AVRStudio, Solidworks, Eagle, Photoshop,

Academic Achievements: Netbeans, Xilinx ISE and Dev C++.
Department Rank 1 & among top 1% in the Institute.
Secured All India Rank 1450 in IIT-JEE 2009.
Branch change from ECW (Electronics and communication integrated dual degree with M.Tech in wireless communication) to ECE (B.Tech in Electronics and Communication) based on the academic performance.
Secured second position in Higher Secondary Examination in Ujjain Division and was awarded scholarship.

Additional Courses Taken: Signal and Systems, Semiconductor Devices and Technology, Computer Architecture and Microprocessors, Data Structures, Fiber Optics, * Analog Circuits, * Control Systems , *Principles of Digital Communication, *Operational Research. (*to be completed by D

Languages Known: English (S/R/W); German (R/W); Hindi (S/R/W); Sanskrit (R/W);

EXTRA CURRICULARS

Member of ROBOCON Team (2010-2011)

learned about practical applications of microcontrollers like Atmega16 and Arduino and was involved in fabrication of two autonomous and one manual robot to complete the problem statement.

Member of Geek Gazette magazine (2009-2011.)

Actively involved in various activities of IEEE Students Chapter IIT Roorkee and team member of Geek Gazette magazine of IIT Roorkee.Organized online technical festival, IFEST-09 through IEEE Students Chapter IIT Roorkee.

NCC Training. (2009-2010)

Attended the annual NCC Training camp held in December 2009 and was awarded B-certificate for completing the training.

K.V.S. National Science Exhibition (2006)

got first position in regional level followed by 17 at national level

PERSONAL DETAILS

Father's Name : Rajendra Kumar Gupta

Date of Birth : 04-08-1991

Gender : Male

Category : General

Permanent Address : Tehsil Campus Nagar Palika Quarter Barwaha dist. Khargone(M.P.)
Barwaha 451115

Present Address : Tehsil Campus Nagar Palika Quarter Barwaha dist. Khargone(M.P.)

Permanent Phone No : 09826847296

Phone No : 09557831330

REFERENCES

Dr. Anand Bulusu
Assistant Professor
IIT Roorkee
anandfec@iitr.ernet.in
+919456381138