

**Gireesh Gera**  
**B.Tech Production and Industrial Engineering**  
**UG ( IV Year I Semester )**  
**Registration No : BT/MI/060408/10**  
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**Indian Institute of Technology Roorkee**

**Area(s) Of Interest :** Computer Programming, Manufacturing Systems, Quality Control, Work System Design.

<b>Educational Qualifications</b>	<b>Year</b>	<b>Board/Institution</b>	<b>CGPA*/%</b>
UG ( III Year II Semester )	2009	Indian Institute of Technology Roorkee, Roorkee	9.215
Twelfth Class	2006	D.P.S. Vasant Kunj, New Delhi	90.400
Tenth Class	2004	D.A.V. Public School, Gurgaon	92.000



\*GPA on a scale of 10

## **INTERNSHIP**

### **Mahindra & Mahindra Ltd., Haridwar, India**

#### **Ergonomics in Manufacturing ( May - July 2009 )**

Found out all the un-ergonomic activities in the shed-2 of the plant and suggested various improvements to be made to eliminate these deficiencies; in order to get- ergonomic activities, reduced work content and thus overall increase in productivity. Many of these improvements were carried out and the remaining are in the implementation stage.

### **Maruti Suzuki India Ltd., Gurgaon, India**

#### **Lay-outing of a Maruti Suzuki vehicle to find the most appropriate place for a component ( May - July 2008 )**

Did the lay-outing of a new Maruti Suzuki vehicle to find out the most appropriate place for the CNG cylinder to be placed in the vehicle. Learnt the basics of modeling software-NX5. Studied various glass regulations and found out the differences between them on the basis of marking and coloring of windscreens.

## **PROJECTS**

### **Indian Institute of Technology Roorkee**

#### **Agent Technology based Mathematical Modeling and Simulation of Manufacturing Systems ( August 2009 to present )**

Modeling and simulation of manufacturing systems will be done by considering the various elements of manufacturing systems as agents which will tune the actions of the individual elements through the agent concept of collaboration.

## **SKILLS AND ACHIEVEMENTS**

### **Computer Languages:**

C++, HTML

### **Software Packages:**

AutoCAD, Solid Works, Microsoft Office

### **Academic Achievements:**

Department Rank 1; Received Certificate of Merit from C.B.S.E. for 100% marks in Mathematics in class 10th; Passed H.S.T.S.E. and written N.T.S.E. 2004; Secured 74th Rank in National Mathematical Olympiad 2002; Received Scholar Badge for proficiency in academics for 2004-05.

### **Additional Courses Taken:**

Quality Control, Production Planning & Control, Computer Systems & Programming, Financial Management, Computer Aided Manufacturing, Operations Research, Work System Design, Theory of Production Processes.

### **Languages Known:**

English ( S/R/W ); Hindi ( S/R/W );

## EXTRA CURRICULARS

### **Secretary, Research & Development Cell, NSS IIT Roorkee ( 2008-09 )**

Three research projects were carried out. Presented the work of NSS in SEED project at the "PanIIT Global Conference, IIT Madras" in December 2008. Was involved in activities like- blood donation camps, village adoption programmes, etc. Submitted a report on "Unemployment in Indian Village and its Solutions".

### **Coordinator, Ruraisle-Case Study Competition, Cognizance-The Annual Technical Fest of IIT Roorkee ( 2009 )**

The work-ranging from the idea generation to successful completion of the event included all the aspects of management skills, technical knowledge and team behaviour.

### **PR Coordinator, Society of Automotive Engineers, IIT Roorkee ( 2007-09 )**

Involved in collecting sponsorship and organizing events for the annual workshops. Organized other activities like "Auto-Quizes" and technical events like "Save the Boat",etc.

### **Co-Coordinator, Mechlego-The Assembly Contest, Cognizance ( 2008 )**

Tasks included general management, marketing, sponsorship, publicity and management of the teams for the event.

### **Joint Secretary, Prerna Cell-Teaching the Needy, NSS IIT Roorkee ( 2007-08 )**

The number of poor children coming to get taught by the NSS volunteers increased from 70 to 140 during the year, and the annual results also improved by making changes in the study patterns.

### **Srishti- The Annual Techno Hobby Exhibition ( 2007 )**

Won the 1st prize for static model of Mars Colony.

## PERSONAL DETAILS

**Fathers name :** Man Mohan Gera

**Date of Birth :** 20-10-1988

**Gender :** Male

**Category :** General

**Permanent Address :** H.No. 437-438/9, Shivpuri, Near Shiv Mandir, Gurgaon 122001

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## REFERENCES

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