Shailesh Kishor Sahu			**09D10016**	
Mechanical Engineering			**UG Third Year(Dual Degree)**	
Indian Institute of Technology, Bombay			**Male**	
Specialization: Computer Integrated Manufacturing			**DOB: 22/08/1991**	

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.09
Intermediate/+2	Maharashtra Board	B. N. Bandodkar College of Science, Thane	2008	81.67
Matriculation	Maharashtra Board	Mahatma Gandhi Hindi High School	2006	88.80

INTERNSHIPS

❖ **iDiscoveri Education Pvt. Ltd.** **(Dec 2010 & June 2011)**
Guides: Pooja Sukhpal and Rohitashwa Choudhary

- Worked in **Content Development and Research Team** of XSEED curriculum
- Researched Indian and International books and methods for development of Grade 1-7 curriculum
- Contributed **innovative** and **creative** ideas for developing teaching and learning materials of **Mathematics**
- Created teachers' curriculum manuals, students' workbooks and content books by incorporating many **interactive** practices and activities to introduce **experiential** learning
- Revamped existing content books, lesson plans and worksheets to make them more **interactive** and **student-friendly**

ACADEMIC PROJECTS

❖ **Mini National Unique ID Project** **(Jul-Nov 2009)**
Guide: Prof. Deepak B. Phatak
- Development of biometric authentication to be associated with each student using their fingerprints to allocate a unique identification
- As part of the project, wrote code in C++ to capture fingerprints from device with appropriate file names

❖ **Material Science Project - "Suggesting Materials For Car's Body Panel"** **(Jul-Nov 2010)**
Guide: Prof. G. V. Prabhugaonkar
- Analysed and inspected materials on various aspects such as cost, weight, durability and strength to increase efficiency
- Selected appropriate material by evaluating them on different criteria to achieve energy economy

❖ **Human Computer Interaction** **(Jul-Nov 2010)**
Guide: Prof. Azizuddin Khan
- Study of interaction between people(users) and computer
- Researched various techniques of measuring cognitive load on working memory
- Analysed different methods to test cognitive load

❖ **Image Processing of Leaves** **(Jul 2011-Present)**
Guide: Prof. K P Karunakaran
- **Automation** of cutting of leaves
- **Code for processing image of a leaf** and selecting the area to be cut on basis of a variety of features for instance colour, smoothness, continuity etc.
- Use of edge detection techniques and utilization of pixels values for threshold value

Scope: Automation in cutting industry using high resolution cameras ensuing efficient and time compression technology

POSITION OF RESPONSIBILITY

❖ **Marketing Manager, Radiance 2012**   **(Jul 2011-Present)**
   - *Annual Research and Technological Festival of Mechanical Engineering, IIT Bombay*
   - Actively involved in the overall planning and conceptualization of the festival
   - Handling corporate sponsorships and external relations of the event
   - Developing marketing strategies to fulfill various interests of sponsors

❖ **Coordinator , Techfest 2011**   **(Oct 2010- Jan 2011)**
   - Annual Technological Festival of IIT Bombay
   - Responsible for planning and organizing **TechConnect**, *an exhibition to showcase research activities at IIT Bombay*
   - Worked in 4-membered team which interacted with **faculty** and **students** of **20 departments** to plan the exhibits

SCHOLASTIC ACHIEVEMENTS

- All India Rank **757** in IIT-JEE 2009 (among top **0.3 %** students)
- **Regional** (Navi Mumbai) and **School Topper** in 10th Board Exam (SSC)   **(June 2006)**

TECHNICAL SKILLS

- Programming Languages : C++, Scilab, MATLAB
- Web Design   : HTML
- Operating Systems   : Windows, Linux
- Other Utilities   : Adobe Photoshop, Sony Vegas, Microsoft Office

RELEVANT COURSES

Core Courses	Breadth Courses
• Engineering Mechanics	• Introduction to Industrial Design
• Engineering Graphics and Drawing	• Introduction to Renewable Energy Technologies
• Solid Mechanics	• Data Analysis and Interpretation
• Thermodynamics	• Computer Programming and Utilization
• Manufacturing processes I & II	• Calculus & Introduction to Numerical Analysis
• Fluid Mechanics	• Linear Algebra & Differential Equations
• Strength of Materials	• Chemistry & Modern Physics
• Heat Transfer	• Introduction to Electrical and Electronics Circuits
• Industrial Engineering and Operations Research	• Economics
• Rapid Product Development	• Sociology
• Discrete Event System Simulation	• Human Cognitive Processes

EXTRA CURRICULUR ACTIVITY

❖ **SPORT**
   - Completed **swimming** course under **National Sports Organization**   **(Jul 2009-Apr 2010)**
   - Successfully finished **12 hours continuous swimming** challenge - **"Swimathon"** organized by Aquatics Club of IIT Bombay, covering **12 Kilometres**   **(Mar 2011)**

❖ **CULTURAL**
   - Part of the team (4 members) which stood **Fourth** in **All Mumbai Scavenger Hunt** competition held by **Mood Indigo, IIT Bombay** (Asia's Largest College Cultural Festival)   **(Dec 2009)**
   - Member of the team which stood **2nd** in **Music Video Making Competition** in **Freshizza** (Freshmen Cultural Festival) event at IIT Bombay