

VISHAL SINGH

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY DELHI, NEW DELHI- B.TECH. IN ENGINEERING PHYSICS

(2008-2012) CGPA : 8.07/10

KENDRIYA VIDYALAYA, SHAHJAHANPUR- 10+2 (CBSE)

(2007) Marks: 93.4%

District topper.

WORK EXPERIENCE

WIPRO TECHNOLOGIES, BANGALORE

ASSOCIATE CONSULTANT

WIPRO STAR PROGRAM 2012 – A management development program to groom fresh graduates to take future leadership roles.

July 2012- Present

- Leading the user experience team responsible for **research and development of next generation e-commerce portal** of one of the largest oil and gas majors.
- **Advised** clients on the complete customer experience of the **next generation B2B e-commerce portal**, a core business portal of client's sales, generating yearly revenue of \$80 billion.
- **Responsible** for the **integration** of UI with **Hybris(java based)** and **Adobe CQ5(java based)** .

Awarded 'feather in my cap' for excellent contribution towards NextGen program.

Awarded 'STAR of the month' for quality and timely deliveries in BOM module of the NextGen program

One of top 3 scorers of the STAR 2012 during training period.

SKILLS

SQL, PYTHON, JAVA, DJANGO, JAVASCRIPT, JQUERY, HTML5, CSS3

MATLAB, MS OFFICE, PHOTOSHOP

PROJECTS

BACHELOR THESIS PROJECT- IIT DELHI, NEW DELHI

July 2011- April 2012

- **Analyzed** effective index models for modeling photonic crystal fibers.
- Devised an improved model with less time complexity and error than previously used effective index models using **data analysis methods**.

SUMMER INTERNSHIP- INRS-EMT, UNIVERSITY OF QUEBEC, MONTREAL, CANADA

May 2011- July 2011

- Demonstrated **novel** cascaded second harmonic generation process in ALGaAs waveguide.
- **Analyzed experimental data** to formulate a theoretical model for cascading SHG process.

*Received a **letter of appreciation** and **offer** for a MS position in the research branch of University of Quebec.*

SUMMER INTERNSHIP- ECOLE POLYTECHNIQUE DE MONTREAL, CANADA

June 2010- August 2010

- Demonstrated Vector Modulation Instabilities (four wave mixing) in low birefringence single mode optical fibers.
- Worked on **data acquisition and modeling** (real time data from optical Spectrum Analyzer) using **Matlab**.

*Authored a research paper based on finding of the project, **presented** it in international conference at **IIT Guwahati**.*

LEADERSHIP ROLES TEAM COORDINATOR, TRAINING AND PLACEMENT CELL, DEPT OF PHYSICS, IIT DELHI

May 2011- July 2011

- Improved **management structure**, significantly restructured working of team.
- Implemented **marketing strategy** for the department, resulting into **increase** in number of core companies for training and placement.
- Facilitated active participation of faculty members leading to **120% increase in number** of training positions abroad.

CLASS REPRESENTATIVE, ENGINEERING PHYSICS, IIT DELHI

July 2010- April 2011

- Represented Department of Physics at the **5th Curriculum Review Workshop** of IIT Delhi, held once in ten years.
- Made suggestions to introduce new courses and remove redundant ones, which were inculcated into proposed curriculum.

COORDINATOR (STARTUP SHOWCASE), E-SUMMIT, ENTREPRENEURSHIP DEVELOPMENT CELL, IIT DELHI

March 2011

- Responsible for logistics and infrastructure of the **Startup Showcase** event at **Entrepreneurship Summit** organized by Entrepreneurship Development Cell of IIT Delhi.
- Ensured smooth end to end operation of the event.

COORDINATOR (DEPT OF PHYSICS), TECHNOCRACY TEAM, IIT DELHI

July 2009- Dec 2009

- Member of the core organizing team of **Academia Industry Interaction 2009**, a meet of industry leaders and academicians to solve technical industry issues through research.
- Core companies related to Physics participated for the first time, **enhancing visibility and scope** of Dept of Physics, IIT Delhi within the industry.

EXTRA-CURRICULAR FORMULA TEAM (FSAE) -2009, IIT DELHI

ACTIVITIES

- Designed & Manufactured a Formula style racing car for an International Competition (Formula Student 2009) organized by Society of Automotive Engineers (SAE).
- Designed chassis of the car, 20% lighter than previously used.
- Designed and manufactured impact attenuator (safety device in case of impact), still being used.

*Former Member of **Formula Society of Automotive Engineers**, an international club facilitating communication and knowledge sharing among automotive engineers around the globe.*

POSTER PRESENTATION, TRYST, IIT DELHI

March 2011

- Presented a poster based on findings of the research in summer internship at **Tryst 2011**, technical festival of IIT Delhi.

Got 1st prize among 25 presentations at the event.

SOCIAL WORKER, GRAMIN GRAMODYOG VIKAS SAMITI, UTTAR PRADESH

December 2011- April 2012

- Involved in teaching village formers about use of bio fertilizers instead of chemical ones.
- Led a group of 10 fellow workers to spread awareness about green methods of cultivation in 6 villages.