

Shubham Gupta

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Education

Year	Degree	Institute/School	CPI/%
2017	B.Tech, Civil Engineering	Indian Institute of Technology (IIT) Kanpur	7.0 [*] /10.0
2012	Senior Secondary(CBSE)	D.A.V Public School, Kota	86.8%
2010	Secondary (ICSE)	City Montessori School, Lucknow	95.4%

* At the end of 6th semester

Academic Achievements

- Achieved All India Rank **1376 (99.8 percentile)** in **JEE-ADVANCED 2013** (May '13)
- Secured **99 percentile** in **JEE-Mains** among 1.5 million candidates (Apr '13)

Internships

Case Study on operations of Chittranjan Locomotive Workshop(CLW), West Bengal, India

(May '16 – Present)

- Surveyed **Chittranjan Locomotive Workshop** to map the processes involved in the manufacture of **electric locomotives**
- Developed a **simulation model** of the processes to analyse the **workshop capacity, bottlenecks** and explored opportunities for improvement of **throughput** using **AnyLogic Software**
- Developed a **case study** to enable appreciation of various concepts of **capacity analysis**

Infrastructure Leasing and Financial Services Energy Limited, Gurgaon ,India

(May'15–Jul'15)

- Analyzed the **foundation works, piling works** of transmission line towers.
- Developed substantial understanding of **planning** as well as **execution** of the project.

Kochi Metro Rail Limited, Kochi, India

(Dec '14)

- Visited a **construction yard** and **observed** the construction of **I-Girders, U-Girders** used for construction and support of metro viaduct
- Familiarized with **piling work, pile cap, pier casting, precast girders and pier caps**
- Reviewed quality and safety control procedures

Research Projects & Experience

Topographical Mapping of Academic Area, IIT Kanpur, India (July'15–November'15)

Mentored by Dr. Bharat Lohani, Department of Civil Engineering, IIT Kanpur

- Established control with the help of **Total Station** and **Auto Level**
- Mapped** all the features of academic area, IIT Kanpur using **GPS, Total station and Auto Level**
- Used ArcGIS 9.3** Software for generating a comprehensive map

Manufacturing Processes I, Material Science Project, IIT Kanpur, India

(Dec'14–Apr'15)

- Coordinated with a team of 6 members to design and model a replica of **The Amsterdam Arena**
- Used **casting, welding, brazing, cutting and sheet metal folding**

Manufacturing Processes II, Mechanical Project, IIT Kanpur, India

(Jul'14–Nov'14)

- Built a **Mechanical Spider** utilizing a chain-sprocket mechanism
- Fabricated parts through **lathe, milling, welding and other conventional manufacturing techniques**

Position of Responsibility

Secretary, English Literary Society, IIT Kanpur

(Apr '14 –Mar '15)

- Managed **Intra-College** as well as **Inter-College** events
- Coordinated new events like **Story writing & Creative writing** for the society
- Won **DumbC** event in **Galaxy**(Inter-Hall Culutral Competition three times in a row)

Technical Skills

Programming Languages & Software - AnyLogic,ArcGis,MS-Office,C,Java,L^AT_EX

Relevant Courses

Reinforced Concrete Design	Design of Steel Structures
Structural Analysis	Differential Equations (ODEs & PDEs)
Special Concretes‡	Computational Methods in Engineering
Design of Transportation Facilities‡	Construction Materials