

**Ashish Kumar**  
**M.Tech. Earthquake Engineering**  
**Structural Dynamics**  
**Postgraduate (IInd Year Ist Semester)**  
**Registration No : MT/EQ/08526002/10**  
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**Indian Institute of Technology Roorkee**

**Area(s) Of Interest :** Structural Analysis and Earthquake Resistant Design of Structures including Buildings and Bridges.

<b>Educational Qualifications</b>	<b>Year</b>	<b>Board/Institution</b>	<b>CGPA*/%</b>
Postgraduate (Ist Year IInd Semester) ( Earthquake Engineering )	2009	IIT-Roorkee	8.420
Undergraduate Overall ( Civil Engineering )	2005	IIT-Roorkee	7.750
Twelfth Class	1996	Uttar Pradesh Board, Allahabad	72.200
Tenth Class	1994	Uttar Pradesh Board, Allahabad	83.500



\*GPA on a scale of 10

## **JOB INFORMATION**

**BITES Ltd, A Government of India Enterprises, under Ministry of Railways, Gurgaon, Haryana, INDIA**

**Assistant Manager-Civil** - Design of substructure & foundation of Railway Bridges and meetings with clients ( September 27, 2007 - July 30, 2008 )

**BITES Ltd, A Government of India Enterprises, under Ministry of Railways, Gurgaon, Haryana, INDIA**

**Engineer-Civil** - Design of sub-structure & foundation of Railway Bridges. ( September 1, 2005 - September 26, 2007 )

## **INTERNSHIP**

**Research Engineers Ltd, INDIA**

**Training on STAAD Pro Software** ( September 5, 2005 to September 9, 2005 )

Basic commands to use the software & implimentation on design of reinforced concrete structures.

**BITES Ltd, A Government of India Enterprises, Gurgaon,INDIA**

**Calcutta Metro Railway Extension Project** ( May 20, 2004 to June 25, 2004 )

Design of Pile foundation & one station building using STAAD-Pro software

**IIT-Roorkee**

**Surveying the region of Hardwar** ( Dec 15, 2003 to Dec 31,2003 )

Surveying of a region in Hardwar using various lates technology Surveying instruments

## **PROJECTS**

**IIT-Roorkee**

**Development of Design Guidelines for Torsionally Irregular Buildings.** ( July, 2009 to June,2010 )

Dissertation topic in which Design guidelines are to be developed on the basis of literature review and Design of building is done on the basis of developed guidelines.

**IIT-Roorkee**

**Design of Torsionally Irregular RC Building.** ( July, 2009 to August 31, 2009 )

Literature review on the modelling and analysis of Torsionally Irregular RC building and different

codal provisions.

#### **IIT-Roorkee**

**Design and Performance Evaluation of a Torsionally Irregular RC Building.** ( September, 2009 to October, 2009 )

Design of building as per IS 1893(Part 1):2002 and Performance Evaluation was done using Non-Linear Static Pushover procedure.

**MITES Ltd., A Govt. of India Enterprises, Gurgaon, INDIA.**

**Design of Major Bridges of East-Central Railway Project.** ( September, 2005 to December, 2006 )

Detailed design of substructure i.e. Abutments, Return wall, Piers etc. and detailed design of pile and open foundation.

#### **IIT-Roorkee**

**Transportation Infrastructure improvement in Roorkee City.** ( August, 2004 to May, 2005 )

Surveying of the existing condition of the city by counting the traffic density, suggestion were given and design was done for new Over Bridge on Ganga canal and design of Roadways Terminal building in Roorkee city.

**MITES Ltd., A Govt. of India Enterprises, Gurgaon, INDIA.**

**Bogibil Viaduct Project.** ( November, 2007 to June, 2008 )

Detailed design of Piers, Abutment, Open foundation and Pile foundation.

**MITES Ltd., A Govt. of India Enterprises, Gurgaon, INDIA.**

**Kosi - Bridge Project.** ( January, 2007 to August, 2007 )

Detailed design of substructure i.e. Abutments, Return wall, Piers etc. and detailed design of pile and open foundation.

**MITES Ltd., A Govt. of India Enterprises, Gurgaon, INDIA.**

**Calcutta Metro Railway Extension Project.** ( August, 2007 to October, 2007 )

Modification in detailed design of substructure and foundation.

#### **SKILLS AND ACHIEVEMENTS**

**Computer Languages:**

C/C++

**Software Packages:**

SAP, STAAD Pro, ANSYS, Octave, GT Strudl, Auto Cad, MS Office.

**Academic Achievements:**

Stood 20th position in Uttar Pradesh and 2nd Position in Meerut district in High School Examination of Uttar Pradesh Board, Allahabad.

**Additional Courses Taken:**

Earthquake Resistant Design of Structures.

**Languages Known:**

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

#### **PERSONAL DETAILS**

**Fathers name :** Sushil Kumar

**Date of Birth :** 14-11-1979

**Gender :** Male

**Category :** General

**Permanent Address :** 700, Prahlad Vatika, Near Satyam Palace, Meerut City, Meerut 250002

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#### **REFERENCES**

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