

SAKSHI GUPTA

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DOB: 18/04/1989

OBJECTIVE

Intend to build a career which is challenging and progressive with an organization where the combination of my technical knowledge along with my skill will contribute to the organization's achievements and my growth.

RESEARCH INTERESTS

- Nanotechnology in concrete
- Building materials
- Smart engineering materials
- Artificial neural network and fuzzy logic modeling in civil engineering
- Green construction

ACADEMIC QUALIFICATIONS

Year	Degree/Examination	Specialization/ Subjects	Institute	CGPA/ Percentage
2013	Master of Technology	Structural Engineering	National Institute of Technology (NIT), Kurukshetra	CGPA:9.7520
2011	Bachelor of Technology	Civil Engineering	Institute of Technology & Management , Gurgaon	79.4%
2007	AISCE-12 th (CBSE)	Physics, Chemistry, Mathematics	DAV Public School , Gurgaon	90.4%
2005	AISSCE- 10 th (CBSE)	Regular subjects with Sanskrit	Summer Fields School, DLF , Gurgaon	88%

PAPERS, CONFERENCES AND WORKSHOPS ATTENDED

- Paratibha Aggarwal, Yogesh Aggarwal, Rafat Siddique, Sakshi Gupta, Harshit Garg. Paper communicated titled "**Fuzzy Logic modeling of compressive strength of High Strength Concrete (HSC) with supplementary cementitious material**" in Journal of Sustainable Cement-based Materials, Taylor & Francis.
- Singh, R.K. and Sakshi Gupta, (2011) "**Clean development mechanisms (CDM) and land filling: study of the municipal waste processing complex at Ghazipur, Delhi**", International conference on "Climate Adaptation Research and Understanding through Social Sciences", University of Michigan's School of Natural Resources and Environment, Michigan, USA, May 5-8, 2011.

- Acceptance of the paper: “**CARBON CAPTURE AND STORAGE: OPPORTUNITIES IN INDIA**”, International Conference on “Sustainable Water Resources Management and Climate Change Adaptation (SWRMCCA), February 2011, National Institute of Technology, Durgapur, West Bengal.
- Paper titled “**CDM and Landfilling (MSW): Study of the Integrated Municipal Waste Processing Complex at Ghazipur, Delhi**” accepted in the RACE -2011, Oct. 2011.
- Attended International workshop on “**Adaptation and Mitigation Options for Tackling the Impacts of Climate Change on Water Resources**”, 14-15 March 2011, ITM University, Gurgaon.

ACADEMIC PROJECTS UNDERTAKEN

1. Project on Artificial Neural Network and Fuzzy Logic titled: **Prediction of Compressive Strength And Slump for Concrete Mix** (September/ October 2012)
2. Major Project Report B.Tech (January 2011- April 2011): Design based
 - Title: **Structural Arrangement And Design Of Transfer House TP-8A of NTPC VSTPP Stage IV (2X500 MW)**
 - Supervisor: Prof. Mani Mohan
 - Use of STAAD PRO and AUTOCAD software.
3. Minor Project Report B.Tech (August 2010-November 2010): Research and Study-based
 - Title: **Clean Development Mechanism (CDM)**
 - Supervisor: Prof. Ram Karan Singh
 - Position: Team Leader among a group of 10 students

ACHIEVEMENTS AND ACTIVITIES

- **University 2nd** Rank holder, Civil Engineering, B.Tech, **Maharashi Dayanand University, Rohtak.**
- Qualified GATE 2011. MHRD-GATE assistantship, NIT, Kurukshetra during M.Tech from July 2011 till date.
- Awarded a *Certificate of Recognition in the Infrastructure ImagiNation Contest* organized by E18 and Essar Steel. (2010)
- **Co-founder and Secretary**, Civil engineering society, ITM, Gurgaon named **SPACE** (Society in Pursuit of Advances in Civil Engineering) for years 2008-09 & 2010-2011.
- **Joint Secretary**, **ISTE** (Indian Society of Technical Education), ITM, Gurgaon chapter, 2009-10.
- **Core team member & Publicity team head** (chief-coordinator), Annual technical fest, **CEREBRATION 2010** and **FEST 2011**(Cerebration| Momentum)
- Won ^{3rd} position in Campus Recording Pvt. Ltd in Cerebration'10: Online event
- Won ^{1st} position in Rangoli in college in the Momentum 2007, 2008 and 2009 & ^{1st} (2003) and ^{2nd} (2004) positions in *Rangoli in HUDA flower fest, Gurgaon*
- Actively participated as a *social worker* and a coordinator in ‘*Vastradaan*’, organized by *NGO Yukti* in ITM, Gurgaon.

- Had been a part of the esteemed *Oceanography Project held by the Govt. of India* and visited various institutes of national importance (Vishakhapatnam and Cochin)
- Passed the **National Talent Search Contest, National Science Olympiad and the National Mathematics Olympiad Contest.**
- Had been a part of the **DuPont India Challenge** (2003 science paper).
- Vested with the posts of vice prefect (1998), junior head girl (1999) and vice prefect (2003) in school.
- Awarded certificates and medals in various **Painting competitions at National Level** like Kshitij: an art society, Anjuman, All India Camel color contest and special recognition by artist Roop Chand at National Art Centre.

INDUSTRIAL EXPOSURE

- **Bestech India Pvt. Ltd, Gurgaon** (June 2010 – July 2010): Exposure to the actual work site and ignite my mind with cutting edge technology.
- **DLF Projects Ltd, Gurgaon** (June 2009 - July 2009): On-site training at DLF Silokhera, IT SEZ , Gurgaon
- **Survey Camp** (July 2009): To apply and get exposed to the actual surveying techniques at a particular site.
- **Visit to Omaxe Heights Site**, Faridabad (October 2008): Exposed to the factual construction work.
- **Visit to Sewerage Treatment Plant**, Gurgaon (6th October 2009): familiarized with the various stages of treatment of waste water.
- **Visit to TERI Retreat**, Gawal Pahari, Gurgaon (March 2010): Exposed to the sustainable habitat based on new and clean technologies and imbibed with Green Technology concept. Acquainted with the technological use of non-conventional sources of energy to obtain energy.

COMPUTER SKILLS

- Operating system: Windows
- Commercial Packages: AutoCAD, SAP2000 v12, STAAD.Pro, STRUDS (beginner), MATLAB (fuzzy logic tool), Weka.
- Others: Adobe Photoshop , Microsoft Office (Word, Power point, Excel)

SKILLS

- Business English Certificate: ESOL – University of Cambridge.
- Efficient management and organizational abilities.
- Open minded to work in complex environment and projects.
- Possess leadership skills.
- Hobbies: Sketching, Painting, Photography, Sports (indoor & outdoor), Interacting with people, Writing.

PROFESSIONAL MEMBERSHIPS

- Student Member of Indian Society for Technical Education (ISTE)
- Student member of American Society for Civil Engineers (ASCE): Member ID:1011799