

**GURPREET
SINGH SETHI**

29 | Male

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“To succeed in an environment of growth and excellence and to earn a job which provides me satisfaction and self-development and helps me achieve organizational goals.”

EDUCATION

Thapar University, Patiala, PB

ME (Specialization: Structural Engineering) (2012 – 2014)

Key coursework: Composite Materials, Advanced Reinforced Concrete Structures, Advance Structural Analysis, Foundation Engineering, Earthquake Resistant Design of Structures.

CGPA: 8.24/10

Giani Zail Singh College of Engineering and Technology, Bathinda, PB

BTech (Specialization: Civil Engineering) (2007 – 2011)

Percentage: 74.6%

Government School, Bathinda, PB

Class XII (PSEB with Non-Medical: Physics, Chemistry, Mathematics, English) (2007)

Percentage: 70.8%

Sri Guru Harkrishan Public School, Bathinda, PB

Class X (CBSE with Science) (2005)

Percentage: 65.6%

ACADEMIC PROJECTS UNDERTAKEN

Project 1: Training at Giani Zail Singh College of Engineering and Technology “Surveying”

Campus Surveying using Plane Table and Theodolite after 2nd year of bachelor’s.

Duration: 6 weeks.

Project 2: Summer Industrial Training

“Construction Project, New Delhi”

Worked with Parsvnath Developers Pvt. Ltd. New Delhi. Construction Project deals with Execution undertaken as Industrial Training.

Duration: 6 months

Project 3: Design Project

“Seismic Design of Multi Bay Frame”

Designing of the seismic-resistant multi bay frame using specifications as per IS:1893-2002

SEMINAR ATTENDED

- **Emerging Trends in Civil Engineering sponsored by TEQIP**

WORK AND LEADERSHIP EXPERIENCE

B.L.Kashyap and Sons Ltd., Gurgaon

Graduate Trainee Engineer

- Worked from July 2011 to July 2012
- Client Dealing
- Making of BBS and Measurements of Brickwork, Concrete, Finishing Works.

Lovely Professional University, Jalandhar, PB

Assistant Professor

- Worked from July 2014 to June 2016.
- Courses taught - Composite Materials, Structural Analysis, Earthquake Engineering, Design of RCC Structures, Advance RCC Structures, Construction Technology, STAAD Pro.
- Worked as cultural coordinator for 2 years
- Worked as section mentor for 6 months.

Chandigarh University, Gharuan, Chandigarh, PB

Assistant Professor

- Working since July 2016
- Special guest lectures “Technical Training including Materials Study and RCC Structures” in Chandigarh University, Gharuan campus.
- Working as section mentor.

RESEARCH

- A Review on Structural Performance of Diagrid Structural System for High Rise Buildings
- Effect of Nano Silica on Fresh, Hardened and Durability Properties of Cement Mortar: A Review
- A Review Paper on Performance of Outrigger Structural System in High Rise Buildings
- Strengthening of the structures by using CFRP and its effect to the various structural members

- A Review on Seismic Response of Multi- Storied RC Building with Different Shear Wall and Bracing Systems
- Studied the effect of Carbon Nano Tubes on Mechanical and Durability Properties of Concrete.

RESEARCH IN PROGRESS

- Effect of Waste Glass Powder and Metakaolin on Mechanical and Durability Properties of concrete.
- Study of RCA on Mechanical and Durability Properties of Concrete with an additive as PVA fibres.
- Design of Rigid Pavement using Iron Slag and PVC waste plastic in Concrete.

PROJECTS

- Literature Review on effect of waste plastic on mechanical and durability properties of concrete.
- Literature Review on mechanical and durability properties of Self-Healing Concrete.
- Fire protection and maintenance of existing buildings: Case study
- Literature Review on effect of carbon nano-tubes on mechanical and durability properties of concrete.

SKILLS

- Able to recognize positive and negative behavior of students.
- Ability to identify student's weak areas.
- Well skilled in communication and comprehension.

OTHER INFORMATION

Date of Birth: September 14th, 1989

Place of Birth: Bathinda, Pb, India

Citizenship: Indian

Permanent Address: #2815, Phase-1, Street-1/A, Vishal Nagar, Bathinda-151001

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