

▶ Ratul Chopra

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Objective

To work in an organization that stretches my creative and professional ability to the limit and helps me to grow as an individual so that I can serve my fraternity and my country to the best of my ability.

Education

PROFESSIONAL QUALIFICATION

Name of Course	Passing Institution	Passing Board/University	Percentage marks /CGPA	Batch
B.Tech Civil Engg.	DAVIET JALANDHAR	Punjab Technical University	70.3%	2008-12
M.E. Structures	P.E.C. Univ. Of Technology	P.E.C. Univ. Of Technology	7.5 CGPA	2012-14

ACADEMIC QUALIFICATION

Name of Course	Passing Institution	Passing Board/university	Percentage marks /CGPA	Passing year
10+2 (P C M)	Innocent Hearts school, Jalandhar	C.B.S.E	75%	2008
10 th	Innocent Hearts school, Jalandhar	C.B.S.E	87%	2006

Experience

- **Teaching**
 - **Employer** - Lovely Professional University
 - **Time of Employment** - 9 months(2 semesters)
 - **Designation** - Assistant Professor
 - **Subjects taught** -
 - **1st semester** - Hydraulics and hydraulic machinery (5th semester students)
Imperatives of civil engineering (1st semester students)
 - **2nd semester** - Structural Analysis - I (4th semester students)
Advanced RCC (M.Tech. 4th semester students)

ACHIEVEMENTS :

- Won Best Field Work Award in Survey Camp
- Cleared the GATE-2012.
- Currently receiving scholarship from MHRD(Ministry of Human Resource Development) under GATE programme

TRAINING:

- 2 weeks SURVEY CAMP in SOLANG VALLEY(H.P.)
Summary- Surveying and plotting of the solang valley

- 6 months training at G+7(with 2 basements) Park Plaza hotel site with G.S. Builders
Summary- Assisted the site engineer with piling, foundation, pressure grouting and construction work upto ground floor

PROJECT:

■ **B.Tech.**

- **Scope Of Work** - Use of scrap tires as alternative drainage material along with gravels in landfill leachate collection system(LCS). This included the design of drainage layer for the proposed dumping site at jamsher near jalandhar cantonment
- **Objective** – To design a drainage layer using tire scrap, which will help collaterally by saving depleting gravel stocks and preventing environment, and decreasing the overall project cost
- **Conclusion** – Finally proposed a 50 cm drainage layer of 50-50% gravel and tire chips combination after simulating leachate's permeability test for various combinations and depths
- **Future Scope** – Further study can be conducted on the sizes of tire chips and using recycled aggregates

RESEARCH PAPER:

- Gravel Scrap Tires Admixed Drainage Material in Landfill Leachate Collection System- STM journals

THESIS:

- Title- Behaviour of a dome shell formed by two radially varied semi-domes with vertical openings adopting finite element technique using ANSYS software.
- Doing my thesis research on analysis of shells using Finite Element Method(FEM) using ANSYS

SOFTWARES:

- STAAD PRO(certified)
- AUTO CAD(certified)
- ANSYS(certified)
- ETABS
- STAAD Foundation

Awards

- Won gold medal in western singing at zonal as well as at inter-zonal level university youth festival
- Won first prize in solo singing at GOONJ (UIET fest)
- Participated in Kho-Kho competitions at school and district level as well

Memberships

- Member of the Music Club at PEC University of Technology
 - Member at Structural Engineering Forum of India
 - Student member at Institution of Structural Engineers
- ◆ **Ready to relocate : yes**
 - ◆ **Passport availability : yes**
 - ◆ **Linguistic Abilities : English,Hindi,Punjabi**