

Dikshit s/o Sh. Sita Ram

DOB: 22.07.1997 Gender : Male Resident of: Sarkaghat (Mandi, Himachal Pradesh)

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Education:

- ✓ Jaypee University of Information Technology (JUIT), Solan

Master's of Technology (M.Tech.) : Structural Engineering (2018-2020)

- CGPA: 8.7

Thesis: “*Study on Seismic Response of Horizontally Curved Bridges in combination with Skewed Abutments.*”

Teaching Assistant: Concrete laboratory, Software laboratory (AutoCAD, STAAD.Pro)

Achievements:

1. Got an opportunity to work as an Teaching Assistant.
2. Successful completion of research work.
3. Research work got published in 2 journals.
4. Presented my research work in 2 international conferences.

- ✓ Chandigarh University (CU), Gharuan

Bachelor's of Engineering (B.E.) : Civil Engineering (2014-2018)

- CGPA: 6.97

Projects:

Porous Concrete and Development of Intact Layer & Hydrophobic Material	4 th semester
Construction Methodology Of Advance Pavement Design	5 th semester
Study on Earthquake Resistant Design of High Rise Buildings	6 th semester
Study on foaming concrete	7 th semester
Design and Analysis of a Shopping Mall in Hilly Area	8 th semester

Trainings and Camps:

- *Survey Camp in Chandigarh University (June-July 2016)*
It was Survey Camp of 56 days duration. In this camp, me along with my group members surveyed the campus of Chandigarh University, using plane table surveying method.

- *Industrial Training in Himachal Pradesh Public Works Department (HPPWD) (July 2017)*

It was an Industrial Training of 40 days duration. During this period, I assisted the works of supervision, preparation of estimates of building works.

- ✓ Himachal Pradesh Board of School Education (HPBOSE)

Class 10+2 : Non-Medical (2013-14)

- Percentage of Marks obtained : 78.20%

Achievement: Merit Certificate for securing 105th rank, among all the students of the state.

Class 10 (Matric) : (2011-12)

- Percentage of Marks obtained : 89.80%

Achievement: Merit Certificate for securing 47th rank, among all the students of the state.

Skills:

- Communication skills
- Problem solving
- Time management
- Teamwork
- Typing

Technical Skills:

- Structural Analysis
- Structural Design
- 3-D modelling
- Drafting
- Seismic Analysis
- Modal Analysis

Software:

- CSiBridge
- SAP2000
- STAAD.Pro
- AutoCAD
- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint

Languages:

- English - fluent
- Hindi – fluent

Areas of Interest:

Research work; Structure designing (RCC, PSC & Steel); Teaching; Software learning.

Publications:

JOURNAL

1. **Sandhu D**, Gupta T. Seismic response of horizontally curved bridges in combination with skewed abutments. Structures. 2021 December 29; 36:864-878.
2. **Sandhu D**, Gupta T. Free vibration analysis of bridges having combined skewness and curvature. Test Engineering and Management. 2020 March 12; Volume 83 Page Number: 610 – 619.

CONFERENCE

1. **Sandhu D**, Gupta T. Free vibration analysis of bridges having combined skewness and curvature. International Conference on Recent Trends and Innovations in Multidisciplinary Research. 2020 March. IEC University, Baddi, Himachal Pradesh, India.

Papers presented in conference:

1. *“Free vibration analysis of bridges having combined skewness and curvature.”*

I presented this paper in “International Conference on Recent Trends and Innovations in Multidisciplinary Research”. This Conference was held on 2020 March at IEC University, Baddi, Himachal Pradesh, India.

2. *“Modal analysis of Reinforced Concrete Skew-Curve BoxGirder Bridges.”*

This paper was presented in “8th International Conference on Advancements in Engineering and Technology”. This Conference was held on 20th and 21st March 2020 at Bhai Gurdas Institute of Engineering, Sangrur, Punjab, India.