

**Dr. RAVI JOSHI**



**Address:**

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**CAREER OBJECTIVE: “SEEKING A POSITION TO UTILIZE MY SKILLS AND ABILITIES IN ENGINEERING OR EDUCATION INDUSTRY THAT OFFERS PROFESSIONAL GROWTH WHILE BEING RESOURCEFUL, INNOVATIVE AND FLEXIBLE”**

**Academic Details**

Qualification	Stream	University	Institution	C.P.I/Percentage	Year
Ph.D.	Structural Engineering	MNNIT Allahabad	MNNIT Allahabad	7.6	2020
M.Tech.	Structural Engineering	MNNIT Allahabad	MNNIT Allahabad	7.65	2014
B.Tech.	Mechanical Engineering	Uttarakhand Technical University	Graphic Era University, Dehradun	61.91	2011

**School Level**

Class	School	Year	Percentage
XII (CBSE Board)	DAV public school	2006	66
X(CBSE Board)	DAV public school	2004	69.2

**AREAS OF INTEREST**

Structural Analysis  
Strength of Material  
Concrete Structures  
Dynamics of Structure  
Mechanics of Composite Materials

**SUMMER INTERNSHIP & PROJECT (B.TECH.)**

**Organization- ONGC Dehradun.**

- o **Duration-** 45 days.
- o **Brief Description-** Studied and analyzed the working of pumps.

**Continuous variable transmission**

**Brief Description -** Varies the transmission ratio continuously & shifts automatically with an infinite number of gear ratios.

**M.TECH. Details**

**THESIS** (Advisor : Prof. S. K. Duggal and Dr. Rama Shankar)

- o **TITLE-** “Analogy Between Equilibrium of Structures and Compatibility of Mechanisms”.

**Ph.D. Details**

**THESIS** (Advisor : Prof. S. K. Duggal & Dr. P.R. Pal)

- o **TITLE-** “Failure Analysis of Laminated Composite Plates using HSDT”.

**Publications:**

1. **Ravi Joshi**, P.Pal, Ply-By-Ply Failure Analysis of Laminates Under Dynamic Loading. *Sound & Vibration*, 2021, vol.55, no.2 (**SCOPUS**)
2. **Ravi Joshi**, S.K. Duggal, Free Vibration Analysis of Laminated Composite Plates during Progressive Failure. *European Journal of Mechanics - A/Solids* 83, (2020), 104041 (**SCI**)
3. **Ravi Joshi**, P.Pal and S.K. Duggal, Ply-By-Ply Failure Analysis of Laminates using Finite Element Method. *European Journal of Mechanics - A/Solids*, 81 (2020) 103964 (**SCI**)
4. **Ravi Joshi**, Failure Analysis of Laminated Composite Plates using HSDT. *International Journal of Engineering Technology Science and Research* 4,10 (2017), 252-260 (**UGC**)
5. **Ravi Joshi**, Keshav Kumar Sharma, Variation in Natural Frequencies of Cross-Ply Laminates during Failure. *Sound & Vibration* (under review) (**SCOPUS**)

**Reviewer**

Journal of Reinforced Plastics and Composites (**SCI**)

**COMPUTER SKILLS**

- Fortran 90.
- Origin (Data Analysis)
- Ansys.

- STAAD Pro

#### **OTHER ACADEMICS ACTIVITIES**

- Student coordinator, LSDSS-2013, 2014, 2015 & 2016 a short term course on Limit State Design of Steel Structures, organized at MNNIT Allahabad in the respective years.
- Engaged in practical Labs of Building Materials & Construction, Concrete Structures-II and Steel Structures-II during the academic sessions of 2016-17, 2017-18 (odd) and 2017-18 (even), respectively at MNNIT Allahabad.
- Engaged in invigilation duties of semester exams during the academic sessions, 2016-17 to 2019-20 (odd) at MNNIT Allahabad.

#### **PERSONAL DETAILS**

**Nationality:** Indian.  
**Date of Birth:** 25<sup>th</sup> March 1989.  
**Sex:** Male.  
**Father's Name:** Shri. Trilochan Joshi  
**Occupation:** Para Military.  
**Mother's Name:** Ranjana Joshi  
**Occupation:** Housewife.  
**Permanent Address:** J.N Puram –II Kusumkhera, Haldwani  
. Dist. Nainital, Uttarakhand  
**Permanent Contact no:** +91-7017840446.

*I hereby declare that all the information given is correct to the best of my knowledge.*

**Date: 14 June 2021**



**(Ravi Joshi)**  
**Place: Haldwani**