

# Tanuja Gupta

Assistant Professor (Structural Engg.)



## Personal Profile

I am a dedicated and passionate assistant professor with ample experience teaching Civil Engineering Subjects. I am looking to earn tenure through a dynamic approach to education.

## Achievements

- Cleared GATE 2016, 2017, 2018, 2020
- Recipient of AICTE 2016 scholarship for Masters in Structural Engg.
- Recipient of MHRD Central Sector Scholarship Scheme 2012 - 2016

## Special Skills

- MATLAB
- C, C++ Programming
- ETABS, STAAD Pro
- MS Office
- Referencing Tools - Mendeley, Zotero

## Relevant Experience

### ASSISTANT PROFESSOR

GOVERNMENT ENGINEERING COLLEGE, BILASPUR  
2022- PRESENT

- Lectured B.E. and B. Tech undergraduate students on Subjects Basic Civil Engineering & Mechanics, Introduction to Solid Mechanics, Structural Analysis- I, II, III, Concrete Technology
- Prepared Lecture Notes on Above mentioned subjects
- Lab Manual as per B. Tech Syllabus of CSVTU of subjects - Material Testing, Concrete Technology, Structural Analysis
- Aided students in analyzing their research in Project Phase - I
- Official mentor of the Departmental Magazine & Newsletter
- Communication Skill Classes for overall development of students
- Course Objective and Program Outcome Preparation of B. Tech Course

### TEACHING ASSISTANT

SCHOOL OF STUDIES OF ENGINEERING & TECHNOLOGY, GURU GHASIDAS  
CENTRAL UNIVERSITY, BILASPUR, C.G.  
2019- 2022

- Lab Manual as per B. Tech Syllabus of GGU - Material Testing Laboratory, Surveying, Computer Applications in Civil Engineering
- Aided students in analyzing their research
- Online Lectures through google classroom

## Other Administrative Work

1. Mid & End-Semester Exam Duty
2. Time Table Preparation
3. Documentation Work for NBA

## Publications

1. T. Gupta and M. C. Rao, "Prediction of compressive strength of geopolymer concrete using machine learning techniques," *Struct. Concr.*, pp. 1-18, 2021, doi: 10.1002/suco.202100354.
2. T. Gupta and C. R. Meesala, "Critical Review on Various Aspects of Geopolymer Concrete," *Indian Concr. J.*, vol. 96, no. 2, pp. 14-34, 2022.

## Paper Presented in Conferences

1. Paper Titled - "Effect of Untreated Recycled Aggregate on Properties of GPC", in International Conference on Recent Advancements in Civil Engineering, dated- 14-15th Oct, 2022, organised by Oriental Institute of Science & Technology, Bhopal.

## FDP's/ STTP's Attended

1. A Short Term Training Program on - "MATLAB for Scientific Research" from 01-05th Sep, 2020, organized by Research Culture Society.
2. ATAL FDP on - "Sustainable Construction Materials and Technology (SCMAT)", from 21/02/2022- 25/02/2022.

## Webinar's/ Workshops Attended

1. 1-day webinar on "Art of Writing Research Paper", on 7th Nov 2020, organized by Guru Ghasidas Vishwavidyala.
2. 1-day webinar on "Geopolymer Concrete- Materials, Methods, Properties and applications" on 14th Aug 2021, organized by Indian Concrete Institute, New Delhi Center.
3. 3-day International Webinar on - "Durability, Design and Construction Aspects of Bridges", organized by Indian Concrete Institute, Western UP Centre from 29-31st May 2020.
4. 1-day webinar on - "Applications of Artificial Intelligence to Prediction of Properties of Concrete", Organized by UltraTech Cement Ltd. On 27th Nov 2020.
5. 1-day Workshop on- "Concrete Mix Proportioning" by Dr. C. D. Modhera organized by Ultratech Cement Ltd.

## Academic Qualifications

<b>S. No.</b>	<b>Particulars</b>	<b>Board/ College/ University</b>	<b>Year</b>	<b>%/ CGPA</b>
1.	<b>Ph. D. (Civil Engineering)</b>	Guru Ghasidas Central University, Bilaspur (C.G.)	Pursuing (2019-till date)	
1.	<b>M. E. (Structural Engg.)</b>	Shri. Govindram Seksaria Institute of Technology & Science, Indore, M. P.	2019	8.85
2.	<b>B. E. (Civil Engg.)</b>	Govt. Engineering College, Bilaspur, C. G.	2016	8.75
3.	<b>12th</b>	Central Board of Secondary Education	2012	85.8%
4.	<b>10th</b>	Central Board of Secondary Education	2010	9.8

## Contact Details

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