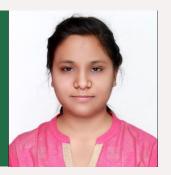
# Tanuja Gupta

# 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**

 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 Scienctific 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**

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

# **Contact Details**

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