



## Profile

<b>Name</b>	Prof Kamal Shanker Patel
<b>Designation</b>	Assistant Professor
<b>Area of Interest</b>	Finite element method, Topological Optimization, Earthquake resistant design of structure
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## Qualification

- PhD (Civil Engineering) – NIT Raipur, Raipur, India – Nov-2022
- M.Tech (Structural Engineering) – IIT Delhi, Delhi, India – May-2013
- B.Tech (Civil Engineering) - NIT Raipur, Raipur, India – May-2010

## Experience

- Assistant Professor – GEC Raipur- 26-08-2019 to Till date
- Assistant Professor – GEC Bilaspur, 05-10-2016 to 25-08-2019
- Assistant Professor (On Contract) – NIT Raipur, 07/07/2014 to 31-05-2015 – 1 year
- Assistant Professor – PIE Tech – 11-06-2013 to 30-12-2013 – 6 month
- Officer Grade A -IOCL – 2-08-2010 to 7-04-2011 – 8 month

## Course Handled

- Strength of Material
- RCC Design
- Steel Structure
- Advance Structural Analysis
- Finite element methods
- Numerical Methods and Computer Programming

## Research and Consultancy

- Research work on Topological optimization, composite analysis, mixed

## Conference/workshop/FDP

### Paper publication

- Patel, K. S., & Ramtekkar, G. D. (2022, March). Application of refined mixed finite element model for analysis of laminated composite beams. In *IOP Conference Series: Earth and Environmental Science* (Vol. 982, No. 1, p. 012079). IOP Publishing.
- Patel, K. S., & Ramtekkar, G. D. (2022, March). Analysis of interlaminar stress concentration in laminated structure-A review. In *IOP Conference Series: Earth and Environmental Science* (Vol. 982, No. 1, p. 012080). IOP Publishing.
- Kamal S Patel, G D Ramtekkar, "Review of Mixed Finite Element Approach for the Analysis of Fiber Reinforced Polymer Composite Laminates," *SSRG International Journal of Civil Engineering*, vol. 9, no. 7, pp. 6-10, 2022. Crossref, <https://doi.org/10.14445/23488352/IJCE-V9I7P102>
- Kamal S Patel, G D Ramtekkar, "Refined Mixed Finite Element Model For Analysis of Bar Member," *SSRG International Journal of Civil Engineering*, vol. 9, no. 7, pp. 1-5, 2022. Crossref, <https://doi.org/10.14445/23488352/IJCE-V9I7P101>

### Program attended

- One week short term hands-on training programme on “ Testing methods in Civil Engineering Construction”, organised by NIT Raipur under TEQIP-II, on 16<sup>th</sup> Nov to 20<sup>th</sup> Nov, 2015.
- Ten days GIAN course on “ Finite Element Method” organised by IIT Hyderabad from 14-24 July 2016.
- One week training program in the “MHRD -TEQIP- III- KITE Activity End to End Innovation Program” conducted by Tata centre for Technology and Design, IIT Bombay conducted at IIT Bombay, from 8<sup>th</sup> -12<sup>th</sup> July, 2019.

## **Achievements**

- Best paper award International conference on Innovative and sustainable technologies in Civil Engineering, 2021, Bapla Engineering College.
- Teaching excellence award for Numerical methods and computer programming at GEC Bilaspur.
- Selected as Assistant Professor, Ranked-3 in CGPSC 2015.
- AIR-42 in GATE 2011.
- Selected as officer grade A in IOCL from campus placement drive at NIT Raipur. Only top 5 students were allowed to sit in the interview.

## **Additional Responsibilities**

- Prof-in-Charge, Library at GEC Raipur.
- Member Civil maintenance committee at GEC Raipur.
- Member in the website maintenance committee.
- Member in Research Committee at GEC Raipur.
- NBA in-charge of civil engineering department at GEC Raipur.