

Dr Alfia Bano

Department: Civil Engineering

Designation: Assistant Professor

Educational Qualification: B.Tech Civil Engg. (NIT Raipur),
Mtech+PhD Structural Engg. (IIT Kanpur)

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AREAS OF INTEREST:

- Structural Analysis
- Composite Materials
- Stability of Structures
- Finite Element Analysis
- Earthquake Engineering
- Structural Retrofitting

COURSES TAUGHT:

- Structural Engineering Concrete Design (Btech)
- Finite Element Analysis (Btech)
- Structural Engineering Drawing (BTech)
- Concrete Lab (BTech)
- Plates and Shells (Mtech)
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INTERNATIONAL CONFERENCE :

- *Alfia Bano, P.M. Mohite and Ashwini Kumar: "Buckling of laminated plates considering pre-buckled stress state", 8th European Solid Mechanics Conference, Graz, Austria, 9-13th July 2012.*
- *Alfia Bano, P.M. Mohite and Ashwini Kumar: "Buckling of laminated plates with cutout using higher order state", 4th International Congress on Computational Mechanics and Simulation, Hyderabad, India, 9-12th December 2012.*

SEMINAR / WORKSHOP ATTENDED:

- “TEQIP Winter Internship and Visiting Researcher program 2015” under TEQIP at Indian Institute of Technology Kanpur, Kanpur, December 2015.
- **Organising Member** for workshop on “Water Resources in Developing Countries: Planning and Management”, National Institute of Technology Raipur, Raipur, 27th - 28th August 2015
- “Two weeks ISTE STTP on Introduction to Structural Engineering”, organized by Indian Institute of Technology Kharagpur, NIT Raipur, 4th -9th January 2016.
- **Organising Committee Member** for “Testing Methods in Civil Engineering Construction” under TEQIP-II at Civil Engineering Department, NIT Raipur from 16th-20th November 2015.
- “Construction of Low Volume Roads on Soft Subgrade Soil Improved by Locally Available Marginal Materials” funded by Human Settlement Management Institute (HSMI), HUDCO New Delhi, NIT Raipur, 14th August 2015.
- “Research Schemes in DST & Recent Advances in Civil & Transportation Engineering” under TEQIP-II, NIT Raipur, 1st August 2015.
- “Workshop on ETABS and SAP2000”, Indian Institute of Technology Kanpur, Kanpur, 16th -19th March 2015.
- “Short Course on Seismic Design of Concrete Gravity Dams”, Indian Institute of Technology Kanpur, Kanpur, 3rd-6th March 2009.
- “Workshop on Eurocodes” by Indian Concrete Institute at New Delhi, 11-13th September 2008.
- “Short Course on Seismic Design of Steel Structure”, Indian Institute of Technology Kanpur, Kanpur, 20-24th March 2008.

SEMINAR / WORKSHOP ORGANISED:

- **Organising Member** for workshop on “Water Resources in Developing Countries: Planning and Management”, National Institute of Technology Raipur, Raipur, 27th - 28th August 2015