

Dr. Mohit Jaiswal

Ph.D. (Structures)

M.Tech. (Integrated Dual Degree)

Diploma in Business Entrepreneurship

Current Qualification

- Ph.D. on the topic 'Parametric Study of Reinforced Concrete Beams Strengthened by Carbon Fiber Reinforced Polymer Composite Sheets' under the guidance of Dr. G.D.Ramtekhar, Professor, Department of Civil Engineering, NIT-Raipur (2018).
- M.Tech., Integrated Dual Degree, in Civil Engineering with specialization in Structural Engineering from Indian Institute of Technology, Banaras Hindu University (2010).
- Completed one year Open Learning Diploma in Business Entrepreneurship offered by Entrepreneurship Development Institute of India (EDI), Ahmadabad in association with Friedrich-Naumann-Stiftung, Germany (2008).

Subjects Undertaken

- *Undergraduate*: Mechanics of Solids, Structural Analysis I & II, and Quantity Surveying and Cost Evaluation.
- *Post Graduate*: Advanced Structural Analysis, and Advanced Solid Mechanics.
- *Laboratories*: Material Testing Lab, Transportation Engineering Lab, Computer Application in Civil Engineering Lab, and Structural Engineering Design Lab.

Research Publications

- Jaiswal, M. and Mandal, S. (2012). "A parametric study of ESWL on RC chimneys" Proceedings of 6th National Conference on Wind Engineering, CRRI, New Delhi, 14-15 Dec, 2012, pp. 215 - 226.
- Baxi, A., Patel, D. K., & Jaiswal, M. (2015). Greywater reuse: A feasibility study for NIT Raipur residential buildings. *History*, 1(4), 201-207.
- Jaiswal, M., & Ramtekhar, G. (2017). Experimental Study of Reinforced Concrete (RC) Beams Strengthened by Carbon Fiber Reinforced Polymer (CFRP): Effect of Beam Size and Length of CFRP. *International Journal of Applied Engineering Research*, 12(24), 14075-14081.
- Jaiswal, M., & Ramtekhar, G. D. (2017). Modeling of Carbon Fiber Reinforced Polymer (CFRP) Strengthened Reinforced Concrete (RC) Beams: Effect of Beam Size and CFRP Thickness. *International Journal of Civil Engineering and Technology*, 8(6), 507-516.

Lecture Delivered

- Lecture on 'Industrial Buildings and Application of Composite Materials in Civil Engineering' in a TEQIP-III sponsored workshop at CSVTU Bhilai on 26th March 2018.
- Lecture on 'Earthquake Resistant Construction Technique' in a training programme sponsored by Department of Revenue and Disaster Management, Chhattisgarh Government at B.R.P. Government Polytechnic College, Dhamtari on 20th March 2015.

Training & Workshops

- Attended one day workshop on 'Capacity building in water governance and technical write-up' organized by IWWA Raipur at Department of Civil Engineering NIT Raipur, 08 December 2017.

- Attended a Two Week ISTE STTP on Introduction to Structural Engineering, under National Mission on Education through Information and Communication Technology by IIT Kharagpur, 4-9 January, 2016.
- Organizing committee member of one week STTP on 'Testing methods in civil engineering construction' Department of Civil Engineering NIT Raipur, 16-20 November 2015.
- Organizing committee member of a National workshop on 'Water Resource in Developing Countries: Planning and Management' Department of Civil Engineering NIT Raipur, 27-28 August 2015.
- Attended one day workshop on 'Construction of low volume roads on soft soil improved by locally available marginal materials' organized by Department of Civil Engineering NIT Raipur, 14 August 2015.
- Attended one week STTP on Applied Finite Element-Theory and Practice, organized by Department of Civil Engineering, NIT Silchar, 3-7 August 2015.
- Participated in a training programme on Use of E-Resources, organized by Central Library, NIT Raipur, 10 September 2014.
- Attended a ten days Induction Training Programme organized by NITTTTR, Bhopal at NIT Raipur from 02 June'14 to 13 June'14.
- Participated in a workshop on 'Academic Ethics and IPR', organized by CGCOST on April 4-5 2014.
- Attended a three day workshop on "Computer Analysis of Framed Structures" organized by IVS Noble Solutions, New Delhi 26-28 March'14 under the guidance of Professor Damodar Maity, IIT Kharagpur.
- Coordinated in one day workshop on "Emerging Dimensions in Civil Engineering" organized by GCET, Greater Noida on Nov'11.
- Participated in two day workshop on "Nature of Science & Scientific Enquiry" organized by GCET, Greater Noida on May'11.
- Coordinated three day national conference on "Recent Advances in Civil Engineering" organized by IITBHU.

Skills

MS Office, Auto-CAD, STAAD-Pro, Photoshop, SAP, MATLAB and ANSYS.

Personal Information

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