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## Dr. Mohit Jaiswal

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[mjaiswal.ce@nitrr.ac.in](mailto:mjaiswal.ce@nitrr.ac.in)



+91 8840780813

+91 9425501906

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### SKILLS

Fluent in English and Hindi.

Structural Analysis and Design Software: ANSYS Workbench, Mechanical APDL, STAAD-Pro, ADAPT, SAP2000.

MATLAB, Auto-CAD, Sketch-Book, Microsoft Office.

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### PERSONAL INFORMATION

Date of Birth: 19/12/84

Status: Married

Sex: Male

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### CONTACT ADDRESS

Dr. Mohit Jaiswal,  
Department of Civil Engineering,  
NIT Raipur, G. E. Road,  
Raipur, Chhattisgarh (492010).

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## EDUCATIONAL QUALIFICATIONS

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### NATIONAL INSTITUTE OF TECHNOLOGY-RAIPUR (NITRR)

Ph.D. (Structural Engineering, 2018) "Parametric Study of Reinforced Concrete Beams Strengthened by Carbon Fiber Reinforced Polymer Composite Sheets".

### INDIAN INSTITUTE OF TECHNOLOGY-BANARAS HINDU UNIVERSITY (IIT-BHU)

B.Tech. + M.Tech. Integrated Dual Degree, in Civil Engineering with specialization in Structural Engineering (2010)

### ENTREPRENEURSHIP DEVELOPMENT INSTITUTE OF INDIA (EDI), AHMADABAD

One Year Open Learning Diploma in Business Entrepreneurship offered by EDI, Ahmadabad in association with Friedrich-Naumann-Stiftung, Germany (2008)

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## SUBJECTS UNDERTAKEN

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*Undergraduate:* Mechanics of Solids, Structural Analysis I & II, Design of Prestressed Concrete Structures, and Quantity Surveying and Cost Evaluation.

*Post Graduate:* Advanced Structural Analysis, Non-Linear Analysis, and Advanced Solid Mechanics.

*Laboratories:* Material Testing Laboratory, Computer Application in Civil Engineering Laboratory, and Structural Engineering Design Laboratory.

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## RESEARCH CONTRIBUTIONS

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- Jaiswal, M. and Mandal, S. (2012). "A parametric study of ESWL on RC chimneys" Proceedings of 6<sup>th</sup> 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., & Ramtekkar, 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., & Ramtekkar, 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.

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## OUTSIDE INTERACTION

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- Lecture on 'Structural Engineering and Design: Theory and Practice' in an AICTE, New Delhi sponsored STTP at BIT Durg, 14-19 October, 2019.
- Lecture on 'Industrial Buildings and Application of Composite Materials in Civil Engineering' in a TEQIP-III sponsored workshop at CSVTU Bhilai on 26<sup>th</sup> 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 20<sup>th</sup> March 2015.

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## TRAINING AND WORKSHOPS

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- 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 NITTTR, 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.
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