

Name: R. Rajender

Present Designation: Assistant Professor

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Educational Qualifications:

Exam passed	University / Institute	Year of passing	% of marks secured	Class / Division	Subjects taken	Remarks
B.E	University College of Engineering, Osmania University	2006	83.20	I (with distinction)	Civil Engineering	3 rd rank holder
M.E	Indian Institute of Science, Bangalore	2008	92.50	I (with distinction)	Structural Engineering	1 st rank holder

Achievements:

1. GOLD MEDAL for achieving All India Rank-1 in GATE-2006.
2. GOLD MEDAL from Indian Institute of Science, Bangalore for best performance in Civil Engineering Department, 2008.
3. SILVER MEDAL from Hon'ble Power Minister, Govt. of India, *Sri. Shushil Kumar Shinde* for meritorious performance in NTPC Executive Training Programme, 2009.

Industrial Experience: 5 Years

1. Engineer at GE India Technology Centre Pvt. Ltd., Bangalore from August, 2008 to February, 2009.
2. Manager (E) at HMWS&SB, Govt. of Andhra Pradesh from July, 2009 to September, 2009.
3. Assistant Manager at NTPC Limited, New Delhi from October, 2009 to September, 2013.

Teaching Experience: 12 Years

- Assistant Professor at Department of Civil Engineering, University College of Engineering (A), Osmania University, Hyderabad from October, 2013 to till-date.

Areas of Expertise:

- Analysis and Design of Structures
- Structural Fire Engineering

Publications in Journals/Conferences: 06

1. S Venkatesha, R Rajender, and C S Manohar, 2008, Inverse Sensitivity Analysis of Singular Solutions of FRF matrix in Structural System Identification, CMES: Computer Modelling in Engineering and Science, 37(2), 113-152.
2. Mohammed Shoaib A, Mohd Aliuddin, PV Dilip Kumar, R Rajender, 2016, Effect of Bracings on the Seismic Response of a Soft-Storey Structure, International Journal of Earthquake Engineering and Hazard Mitigation, 4(2), <https://doi.org/10.15866/irehm.v4i2.9569>
3. Ali Abdelaziz, R Rajender, 2024, Assessment of Structural Response of RC Building under Blast Load, International Journal of Structural Engineering (IJSE), 6(2), 35-49, https://iaeme.com/Home/article_id/IJSE_06_02_004
4. PV Ramana Rao, R Rajender, 2024, Study of Behaviour of Self-Compacting Concrete with Recycled Concrete Aggregates by Different Curing Techniques, International Journal of Innovative Research in Technology (IJIRT), 11(5), 197-204, <https://ijirt.org/Article?manuscript=168216>
5. R Aishwarya, S Vaishnavi, V Sai Bhavani, B Amogha, R Rajender, 2024, Behaviour of Restrained Steel Beam with Varying Rotational Stiffness Subjected to Real Fire, International Journal of Structural Engineering (IJSE), 6(2), 56-64, https://iaeme.com/Home/article_id/IJSE_06_02_006
6. R Aishwarya, S Vaishnavi, V Sai Bhavani, B Amogha, R Rajender, 2024, Effect of Fire Parameters on Structural Behaviour of a Restrained Steel Beam, International Journal of Structural Engineering (IJSE), 6(2), 74-85, https://iaeme.com/Home/article_id/IJSE_06_02_008

No. of M.E Thesis Guided: 04

No. of Guest Lectures Delivered: 10

Training Courses Attended: 12

1. Seven weeks training programme on Hydro & Thermal Power Development at Central Board of Irrigation & Power, New Delhi during 09.11.09 to 24.12.09.
2. Pedagogical training programme for the Faculty of TEQIP institutions from 16th December to 20th December, 2013, organized by National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
3. One Week Faculty Development Program on MSC-NASTRAN (Hands on Experience) held from 12-17 May, 2014 under TEQIP-II at Department of Civil Engineering, University College of Engineering (A), Osmania University.

4. Winter School on Recent Advances in Structural Engineering and Materials, January 14-15, 2015 at IIT Hyderabad.
5. TEQIP-II Sponsored Training Programme on Structural Steel Design (ISPAT-2015) May 25-29, 2015 at IIT Hyderabad.
6. 2-Weeks Faculty Development Programme in Entrepreneurship held during April 18-30, 2016 at Entrepreneurship Development Cell, Osmania University.
7. 85th Orientation course at Human Resource Development Centre, OU held from 14.06.17 to 14.07.17 and Sponsored by UGC.
8. Ten days GIAN course on “Seismic Performance Assessment of Structures through Numerical and Hybrid Simulations” held from July 02-12, 2018 at IIT Hyderabad.
9. One week FDP on Finite Element Analysis using MIDAS Software (Hands on Experience) at Civil Engineering Department, UCE (A), OU during 12-16, March 2019.
10. One week FDP on Design of Bridges using MIDAS Software (Hands on Experience) at Civil Engineering Department, UCE (A), OU during 17-21, April 2023.
11. Five days short-term course on Structural Fire Engineering at Centre for Continuing Education, IISc, Bangalore during 22-26, May 2023.
12. Four days short-term course on Intelligent Monte Carlo Simulations and Machine Learning-based Methods in Computational Structural Reliability (Supported by SPARC) at Centre for Continuing Education, IISc, Bangalore during 06-09, July 2024.

Training Courses Organized: 04

1. Training programme on “LaTeX – A Document Preparation System” at e-class room, UCE, OU on 4th April, 2015.
2. One Day National Workshop on Repair and Rehabilitation of Structures (RRS-2018) at the Department of Civil Engineering, UCE (A), OU on 28th February, 2018.
3. One Week Faculty Development Programme on “Finite Element Analysis using MIDAS Software (Hands on Experience)” at the Department of Civil Engineering, UCE (A), OU during 12-16 March, 2019.
4. One week FDP on Design of Bridges using MIDAS Software (Hands on Experience) at Civil Engineering Department, UCE (A), OU during 17-21, April 2023.

Other responsibilities held:

- Mentor for B.E (Civil) I/IV students
- Attendance In-charge for B.E (Civil) II/IV students
- Department Hand Book Coordinator
- Coordinator for Spoken Tutorial Project, UCE, OU
- Member of Innovation sub-committee, UCE, OU
- Member of Departmental Committee
- Departmental Coordinator for M.E exams
- Department TEQIP Coordinator

- Lab In-charge for Concrete Technology Lab, Testing Materials Lab, Structural Dynamics Lab and Engineering Mechanics Lab
- Department Coordinator for NBA and NAAC
- Coordinator for Induction Programme of B.E (Civil) first year students
- Member of Scrap Committee
- Member of IQAC Committee
- Mentor for Bureau of Indian Standard (BIS) Student Club at Department of Civil Engineering, UCE (A).

Awards and Appreciations:

1. Letter of Appreciation from National Mission on Education through ICT, MHRD, Govt. of India & IIT Bombay for outstanding contribution as a Spoken Tutorial Coordinator during 2015-2016.
2. Appreciation certificate from Principal, UCE (A), OU for organizing and conducting Two Week Induction Programme for newly admitted BE First Semester Students during 2023-2024.
3. Best project award to BE (Civil) VIII-Semester Students for BE Project titled "Behaviour of Restrained Steel Beam with varying Rotational Stiffness subjected to Real Fire" under my guidance during 2023-2024.
4. 2nd Prize at College Level Poster Presentation in 2nd International Symposium on Recent Challenges in Engineering at UCE (A), OU to BE (Civil) III-Semester Students on the topic "Analysis Steel Beam Structure: on Earth vs on Moon" under my mentorship during 2023-2024.

Consultancy Services:

- Involved in analysis and design proof-checking of various government projects from 2023-2024.
- Involved in various structural stability assessment works.