

Rohit Prajapati

Doctoral Research Scholar

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Educational Credentials

Technical Qualification

- Master of Technology in Construction Engineering with 7.85 CGPA from Bhagwant University, Ajmer (2014-16)
- Bachelor of Technology in Civil Engineering with 66.40% from Rajasthan Technical University, Kota (2009-13)

Academic Qualification

- 12th from St. Paul's Senior Secondary School, Ajmer with 71.23% (2009)
- 10th from St. Paul's Senior Secondary School, Ajmer with 75.00% (2007)

Experience & Achievements

Graduate Teaching Assistant at IIT Madras

Graduate courses:

- NPTEL online course - Advanced Topics in the Science and Technology of Concrete (Jan-Mar 2019 & Jan-Mar 2020)
- Construction Materials Lab (Jan - May 2018)
- Modern Construction Materials (Jul - Nov 2019)

Undergraduate courses:

- Construction Materials lab (Jul - Nov 2018 and Jul - Nov 2019)
- Construction technology (Jan - May 2019)

Industry Experience

Worked as Project Engineer in Arihant Group, Jaipur (2013-14). Major tasks include project scheduling and site management of multi-storey residential building project.

Award

Secured 1st place in 'UK India Social Innovation Challenge 2018' for the project 'Recycling of demolished waste concrete using solar energy'

Research Interest

- Construction and demolition (C&D) waste recycling
- Recycled aggregates
- Alternative binders for concrete
- Sustainability and durability of concrete

Refereed Journal

Ram, V. G., **Prajapati, R.**, and Poullose, M. K. (2019). "Challenges and Prospects of Demolition Waste Recycling in India", Indian Concrete Journal, 93(09), 77-83.

Conference & Seminar Publications

Prajapati R. and Gettu R., " Thermo-mechanical treatment of demolished concrete for the recycling of aggregates", 16th NCB International Seminar on cement, Concrete and Building Materials, New Delhi, December 3-6, 2019.

Poster Presentations

Prajapati R. and Gettu R., "Optimisation of thermo-mechanical treatment process for recycling of demolished concrete ", 5th Concrete Research in India (CRI) Symposium, IIT Bombay, Mumbai, India, December 14th, 2018.

Invited Lectures

"A Methodology for Recycling of Demolished Waste Concrete", UK-India Mini Workshop on Valorisation of Construction and Industry Waste for Resilient Infrastructure, Brunel University London, UK, 2019.