

Dr. Praveen Kumar K

Dr. Praveen Kumar K obtained BE (Civil Engineering) from Visvesvaraya Technological University Belagavi in 2007. After working for 2 years as a Consulting Structural Engineer in industry, he obtained M.E in Structural Engineering from Bangalore University in 2011 and later completed PhD from Visvesvaraya Technological University Belagavi in 2020. He has extensive structural design experience and has designed numerous RCC, Steel and PEB Structures. Currently he is working as Assistant Professor (Senior Scale) in civil Engineering Department at RV College of Engineering. With an academic career that spans over a decade, including a long-standing tenure at RVCE since 2014, his research domain lies primarily in Alternate Fine aggregates, Fiber reinforced concrete, Nano materials, Concrete Technology, Applications of AI and ML in Civil Engineering. He has guided around 10 M Tech projects and 12 Undergraduate projects, presently guiding 3 MTech Projects. He has published more than 17 research papers in various journals/conferences at National and international level including one book chapter.



Personal Information

- **Name:** Praveen Kumar K
- **Designation:** Assistant Professor
- **Department:** Civil Engineering
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- **Phone:** 080-68188376

Google Scholar :

https://scholar.google.co.in/citations?view_op=list_works&hl=en&hl=en&user=K5RoZOkAAAAJ

ResearchGate: https://www.researchgate.net/profile/Praveen-Kumar-K?ev=hdr_xprf

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Domain of Expertise

- **Structural Engineering**– Structural Analysis and Design of RCC, Steel Structures, PEBs, Earthquake resistant Design, High Rise structures, Foundations, Sewage Treatment Plants, Water tanks, Non-Destructive Testing, Restoration and Rehabilitation of structures
- **Concrete Technology**– Alternative fine aggregates, Nano Materials, Fibre reinforced concrete
- **Construction management**
- **Environment and Sustainability**

Research Focus

- **Primary Area:** Concrete Technology–Alternative Fine aggregate Concrete, Concrete with Nano materials, Fibre reinforced concrete, Geopolymer concrete, Self-Healing Concrete
- **Allied Areas:**
 - Nano Materials
 - Applications of AI and ML in Civil Engineering
 - Applications of IoT in civil Engineering

Academic Qualifications

- **Ph.D.:** Civil Engineering, Visvesvaraya Technological University Belagavi, 2020
- **M.E:** Structural Engineering, Bangalore University, 2011
- **B.E.:** Civil Engineering, Visvesvaraya Technological University Belagavi, 2007

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	RV College of Engineering, Bangalore	Assistant Professor (Senior Scale)	Oct 2024- Till Date
2.	RV College of Engineering, Bangalore	Assistant Professor	Aug2014- Oct 2024
3	SJB Institute of Technology, Bangalore	Assistant Professor	July 2012-July 2014
4.	Global Academy of Technology, Bangalore	Assistant Professor	Jan2011-June2012
5.	Umesh & Company	Structural Engineer- Civil	Apr 2009-Aug2009
6.	Arun Associates, Structural Consultants	Design Engineer	Aug 2008-Feb2009
7.	Dixcons, Consulting Engineers	Junior Structural Engineer	June 2007-July2008

Publications & Patents

Journal Publications

1. Puneet N, Radhakrishna, **Praveen Kumar K**, "Mechanical Properties of Cement Concrete with Alternative Fine Aggregates", Journal of Civil Engineering Technology and Research", Volume 2, Number 1, pp 129-135, November 2014.
2. Shashank B S, Suresh Varad, **Praveen Kumar K**, RamThilak, "Flow and Strength properties of Geopolymer Mortar", i-manager's Journal on Civil Engineering, Vol. 6, issue No. 1, pp 34-38, December 2015 – February 2016.
3. Praveen Kumar Dhanni, Praveen Kumar K, Ram Thilak, "Effect of gradation of fine aggregates with replaced pond ash on mechanical properties of geopolymer concrete", i-manager's Journal on Civil Engineering, Vol. 11, No. 1, December 2020 – February 2021, pp 42-53.
4. **Praveen Kumar K**, Radhakrishna, " Strength and Workability of Cement Mortar with Manufactured Sand", International journal of Research in Engineering and Technology, Volume 04, Special Issue 01, pp 186-189, February 2015.
5. **Praveen Kumar K**, Radhakrishna "Characteristics of SCC with fly ash and manufactured sand", Presented in International conference of Advances in Materials and Manufacturing Applications, 15-16 July 2016, Amrita University, Bengaluru, India, Published in IOP Conference Series: Material Science and Engineering 149, 2016
6. Radhakrishna, **Praveen Kumar K**," Characteristics of Cement Mortar with M-sand as Replacement of Fine Aggregates", Materials Today, **Elsevier**, Volume 5, Issue 11, Part 3, , Pages 25412-25419, 2018.
7. **Praveen Kumar K**, Radhakrishna, "Workability Strength and Elastic Properties of Cement Mortar with Pond Ash as Fine Aggregates", Materials Today, **Elsevier**, Volume 24, Pages 1626-1633, 2020.
8. Shashank B.S, Praveen Kumar. K, Nagaraja P.S "Fracture behavior study of self-healing bacterial concrete" Materials Today: Proceedings, Volume 60, Part 1, Pages 267-274, 2022.
9. Shashank B.S, Praveen Kumar. K," Characterization of Ureolytic based Bio Concrete", Materials Today Proceedings, 2023
10. Shashank B.S, Praveen Kumar. K," Performance Evaluation of Alternative Fine Aggregates in Concrete", THE INDIAN CONCRETE JOURNAL, pp 40-50, February 2025.

Conference Papers

1. Praveen Kumar K, Radhakrishna, "Characteristics of cement mortar with manufactured sand ", Paper ID 223, International Congress of Environmental Research (ICER) 2014, December 26-28, 2014, R V College of Engineering, Bengaluru, India.
2. Radhakrishna, Praveen Kumar K, Venugopal K and Vinod Sasalatti," Characteristics of Alternative Building Materials", International Conference of Food Nutrition and Civil Engineering (ICFNCE 2015), March 14-15,2015, Dubai, pp 70-74, ISBN 978-93-84468-18-7.
3. **Praveen Kumar K**, Radhakrishna," Use of Alternative Fine Aggregates in Cement Composites- A Review", *National Conference on Emerging trends in Sustainable Construction*, 24-25 July 2015, Christ University, Bengaluru, India.
4. Haleshwar Reddy P, Ajay T C, Prathibha K, Shishirakrishna S, **Praveen Kumar K**, "Comparative Study On Strength Parameters Of River Sand And Manufactured Sand Concrete With Fines", Proceedings of *Jnana Sangama - National level conference*, 01 May 2016, Vivekananda College of Engineering and Technology, Puttur, Karnataka, India ,ISBN: 978-81-930416-1-2.
5. **Praveen Kumar K**, Lokesh Kumar G, Radhakrishna, S M Basutkar "Performance of Reinforced concrete Beams with M-Sand as Alternate Fine Aggregates", Proceedings of National Conference on Advances in Structural Technologies (CoAST 2019) at National Institute of Technology, Silchar, India, 1-3 February 2019
6. **Praveen Kumar K**, Radhakrishna, P S Ramesh, Chethan Kumar S "Strength and Durability Properties of Concrete with Processed Slag Sand", Proceedings of National Conference on Advances in Sustainable construction Materials at National Institute of Technology, Warangal, India during 15-16 March 2019.

Books/Book Chapters

1. **K. Praveen Kumar**, Radhakrishna, P S Ramesh, S Chethan Kumar, “Properties of Sustainable concrete with processed slag sand”, Advances in Sustainable construction materials, Lecture Notes in Civil Engineering 124. ASCM 2020 Proceedings (Springer).

Patents [Filed / Published / Granted]

R & Grants & Consultancy Projects

Ongoing & Completed Research Projects

Ongoing & Completed Consultancy Projects

Professional Memberships

1. Life member of Indian Concrete Institute(ICI).
2. Life Member of Institution of Engineers India(MIE)
3. Chartered Engineer (C.Eng, India)

Awards & Recognitions

- Best Paper Award in Second International Conference on Sustainable Materials and Practices for Built Environment (SMPBE-2023) January 19-20, 2023 held at Manipal University, Jaipur, India, for Paper Titled” Characterization of Bio Concrete”

Student Supervision

- **M.Tech/M.Sc. Students:** 10
- **Undergraduate Research Mentees:** 12

Professional Roles

- **Chair-** National Conference on “RESEARCH AND INNOVATIONS IN CIVIL ENGINEERING AND ARCHITECTURE, RV College of Engineering, Bengaluru,2022
- **Committee Member:** International Conference in Construction, Real Estate, Infrastructure, and Project Management (ICCRIP), Nicmar University, Pune, 2024
- **Committee Member:** International Conference in Construction, Real Estate, Infrastructure, and Project Management (ICCRIP), Nicmar University, Pune, 2025

Teaching

Core Courses: [Current semester]

- CV364TA-Design and Drawing of Steel Structures

- CV242TA-Environment and Sustainability
- CV365TDA-Advanced Concrete Technology

Advanced/Lab Courses:

- CV244AI- Building Planning and Drawing Laboratory

Professional Roles

Responsibilities

- **Academic:** Counselor, Research Center, BoE Committee, NAAC Co-ordinator.
- **Administrative:** Concrete Lab In charge

External Connect

- Member BoE-SJB Institute of Technology