FACULTY PROFILE

Name of the faculty	**Dr Rajeshwari R**
Designation	Associate Professor & HOD
Contact Number	9980505280
Email ID	rajeshwarir2007@gmail.com

Educational Qualification

Degree	Specialization	University	Year of Passing
PhD	Civil Engineering	PESU, Bengaluru	2020
M. E	Structural Engineering	UVCE, Bengaluru	2008
B. E	Civil Engineering	Dr.AIT, Bengaluru	2000

Work Experience

Teaching	Research	Industry
8 yrs	3 yrs	7 years

Publications

National/International Journals	National/International Conferences	Books Chapters
04	05	03

Area of Interest

➤ **Structural Engineering**	
➤ **Concrete Technology**	
➤ **Soft Computing Techniques application in Civil Engg**	

Membership in Professional Bodies

1. Life member of the Indian Concrete Institute, Membership No. 11807
2. Life member of Association of Consulting Civil Engineers, India

Publications National/International Journals

1. Rajeshwari, R., Mandal, S., Rajasekaran, C., (2021) Compressive strength prediction of SCC containing fly ash using SVM and PSO-SVM models, Journal of Structural Engineering (Madras), Vol. 48, No. 1, April - May 2021 pp. 1-11.
2. Rajeshwari, R., and Mandal, S., (2020) Prediction of fly ash concrete compressive strengths using soft computing techniques, Computers and Concrete, Vol. 25, No. 1,83-94. DOI: https://doi.org/10.12989/cac.2020.25.1.083
3. Rajeshwari, R., Mandal, S., Rajasekaran C., (2020) Compressive strength prediction of HVFA control concrete using ANN and PSO-ANN models, International Journal of Ecology & Development, Vol. 35, Issue 1, 2020, pp 59-74.

Springer book chapters
1. Rajeshwari, R., and Mandal, S., (2019). Prediction of compressive strength of high volume fly ash concrete using artificial neural network, In: Das B., Neithalath N. (eds.), Sustainable Construction and Materials, Lecture Notes in Civil Engineering 25, Springer Singapore, pp 471 - 483, https://doi.org/10.1007/ 978-981-13-3317-0_42
2. Rajeshwari, R., Mandal, S., and, Shilpa, S., (2019). Compressive strength prediction of high strength concrete using regression and ANN models, In: Das B., Neithalath N. (eds.), Sustainable Construction and Materials, Lecture Notes in Civil Engineering 25, Springer Singapore, pp 459-469, https://doi.org/10.1007/ 978-981-13-3317-0_41
3. Rajeshwari R, Venkatesh, S. V., SharadaBai, H.,(2010). Effect of shear wall and steel bracing as lateral load resisting system on a ten storey building, Advances and Trends in Structural Engineering, Mechanics and Computation - Zingoni (Ed.), 2010, Taylor & Francis Group, London, ISBN 978-0-415-58472-2.

National /International Conferences
1. Rajeshwari, R., and Mandal S., Prediction of Compressive Strength of High Volume Fly Ash Concrete Using Artificial Neural Network, International Conference on Sustainable Construction and Building Materials, NITK Surathkal Mangalore, 18-22 June 2018, PN-082.
2. Rajeshwari, R., Mandal, S., and Shilpa, M., Compressive strength prediction of high strength concrete using regression and artificial neural network models, International Conference on Sustainable Construction and Building Materials, NITK Surathkal Mangalore, 18-22 June 2018, PN-81.
3. Rajeshwari, R., Mandal, S., Rohan, R., Shreyas, A. and Sudhakara., Compressive strength prediction of fly ash concrete using ANN, International Conference on ICCMS-2017, IIT Hyderabad, 27-29 December 2017, PN-151.
4. Rajeshwari, R. and Mandal, Artificial neural network modeling of fly ash concretes – an overview, International Conference on Emerging Research Trends in Mechanical and Civil Engineering, ICERTMCE – 2017, Bengaluru, 6 – 7th July, 2017.
5. Rajeshwari, R., Venkatesh, S. V., and SharadaBai, H., Effect of shear wall and steel bracing as lateral load resisting system on a ten storey building, Advances and Trends in Structural Engineering, Mechanics and Computation, 2010, Taylor & Francis Group, London.

Conferences/ Seminar Participation

1. International Conference on Sustainable Construction and Building Materials (SCBM 2018) at National Institute of Technology Karnataka, Surathkal during June 18-22, 2018.
2. International Conference on Composite Materials and Structure- ICCMS 2017, IIT-Hyderabad, 27-29th, December 2017.
3. International Conference on Emerging Research Trends in Mechanical and Civil Engineering, ICERTMCE – 2017, Bengaluru, 6 – 7th July, 2017.
4. International Seminar and Exhibition on "Recent Developments in Design and Construction of Tall Structures", REDECON-2016, 9th – 12th November, 2016.
5. International Construction Chemicals Conference, June 2-3, 2016 at Nimhans Convention Centre, Bengaluru.
6. Attended TEQIP sponsored Winter-School on "Recent Advances in Structural Engineering and Materials", RAISE - 2015, IIT Hyderabad, January 14 and 15th 2015.
7. National Seminar "Recent Developments in Design and Construction Technologies (REDECON 2005)", conducted by Faculty of Civil Engineering, Bangalore University, 27-29th October, 2005.

Certification

1. Invited as Resource person for Induction Program organized on "Artificial Intelligence in Civil Engineering [AICE'21]", 11th – 13th November 2021 by Sapthagiri College of Engineering, Bengaluru.
2. Organized Webinar on "Structural behavior of Combined Footings" on 13th May 2021 and "Introduction of Soft Computing to Civil Engineering" on 15th May 2021 in Nagarjuna College of Engineering, Bengaluru.
3. 21 days Online GIS Training Program using QGIS, conducted by the Department of Geography, School of Earth Sciences, Central University of Karnataka, India, jointly with State Institute of Urban Development, Karnataka, India from 13.07.2020 to 02.08.2020.
4. Completed a Course "Nonlinear Finite Element Method" conducted during August- December 2016 under CCE PROFICIENCE PROGRAMME, IISC Bangalore.
5. Attended Summer Faculty Research Fellow Programme- 2015 (SFRF-2015), for period of 6 weeks from 01.06.2015 to 10.07.2015 under Continuing Education Programme, IIT Delhi.