Name of Faculty	Dr. Ravella Durga Prasad
Designation	Associate Professor
Nature of Job/Appointment	Regular
Date of Joining	25.10.2023
E-mail	durgaprasadr_civil@cbit.ac.in

Education Qualifications	**Name of the Degree**	**Class**
Ph. D	Ocean Engineering	Awarded
PG	Offshore Structures	I class
UG	B.E. (Civil Engineering)	I class

Work Experience

Teaching	08 year – Teaching & Research
Research	12 years
Industry	0 years
Others	--
Area of Specialization	Materials in Marine Environment, Structural Engineering, Repair & Rehabilitation Technologies
Professional Memberships	Life Member – Indian Concrete Institute (Member No.13107) Life Member – Indian Society of Applied Mechanics (LM00136)
Responsibilities held at Institution Level	--
Responsibilities held at Department Level	1. Member Private Consultancy Works – VNR VJIET (2017-2023) 2. Member GHMC TPQC works – VNR VJIET (2018-2023) 3. In charge Criteria 5 – Laboratory & Departmental Infrastructure Data (NBA Works – VNR VJIET) 4. In charge Criteria – 2 (PG NBA – Structural Engineering) - CBIT 5. PG – Coordinator (Structural Engineering) - CBIT
Research Guidance	--
Courses Handled at Under Graduate / Post Graduate Level.	Strength of Materials – I & II, Structural Analysis, Advanced Structural Analysis, Concrete Technology, Advanced Concrete Technology, Strength of Materials Lab, Concrete Technology Lab, Model Testing Lab, Civil Engineering Workshop
No. of Papers Published	National Journals – NII International Journals –10 National Conference – 12 International Conference – 3
Projects Carried out	Studies on High Performance Self-Compacting Concretes with ternary blended cements containing Graphene Oxide and Nano-Titanium Oxide – (COMPLETED) • Designation - Principal Investigator • Funding Agency - JNTUH TEQIP III (Collaborative Research Scheme) • Project worth – 3.00 Lakhs
Patents	NIL
Technology Transfer	NIL
Invited Speaker (Few Important/Prominent)	1. Delivered a talk on “High Performance Concretes containing Ternary Blended Cements” in One Week Online Faculty Development Program on “Advances in Concrete Science and Technology for Sustainability (ACSTS)” during 13th to 18th July 2020 at VNR VJIET.
No. of Books/Chapter Published with details	1. P. Narender Kumar, A. Ramesh and R. Durga Prasad, “A study on cell filled concrete pavement with partial replacement of recycled aggregate for low volume roads”, ASCM 2019, Springer Publications - Lecture Notes in Civil Engineering, Volume 68, Pp.223-236.
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.	1. Attended ISTE STTP on Introduction to Structural Engineering Organized by IIT Kharagpur from 30.11.2015 to 09.01.2016.

Other Trainings (Attended and/or Organized).

2. Attended One week AICTE sponsored FDP on “Computer Oriented Applications in Civil Engineering” from 16.05.2016 to 21.05.2016 organized at VNR VJIET, Hyderabad.
3. Attended One week FDP on “Traffic and Transportation Planning for Smart Cities” from 20.11.2017 to 25.11.2017 organized at VNR VJIET, Hyderabad.
4. Attended GIAN Course "Advanced Non-Destructive Testing Methods for Condition Assessment of Materials and Structures" organized by NIT Warangal from 13.06.2022 to 18.06.2022.

Details of Journal Publications/ Conferences (National and International)

International Journal

1. K. Ganesh Babu and R. Durga Prasad (2012). “Water Cement Ratio – A Fresh Relook”. MRS Proceedings, 1488, imrc12-1488-7b-038 doi:10.1557/opl.2012.1555.
2. G. Sai Teja, Durga Prasad Ravella, V. Chandra Sekhara Rao P., “Studies on self-curing self-compacting concretes containing zeolite admixture”, Materials Today: Proceedings, Volume 43, Part 2, 2021, Pages 2355-2360, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2021.01.682
3. Raghavender Chinthakunta, Durga Prasad Ravella, M. Sri Rama Chand, M. Janardhan Yadav, “Performance evaluation of self-compacting concrete containing fly ash, silica fume and nano titanium oxide”, Materials Today: Proceedings, Volume 43, Part 2, 2021, Pages 2348-2354, ISSN2214-7853. https://doi.org/10.1016/j.matpr.2021.01.681.
4. N. Vishnu, Ramujee Kolli, Durga Prasad Ravella, “Studies on Self-Compacting geopolymer concrete containing flyash, GGBS, wollastonite and graphene oxide”, Materials Today: Proceedings, Volume 43, Part 2, 2021, Pages 2422-2427, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2021.02.142.
5. Damma Manikanta, Durga Prasad Ravella, Sri Rama Chand M., Janardhan Yadav M., “Mechanical and durability characteristics of high performance self-compacting concrete containing flyash, silica fume and graphene oxide”, Materials Today: Proceedings, Volume 43, Part 2, 2021, Pages 2361-2367, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2021.01.684.
6. Peruri Rahul, Durga Prasad Ravella, P.V.Chandra Sekhara Rao, “Durability assessment of Self-Curing high performance concretes containing zeolite admixture”, Materials Today: Proceedings, 4th Feb 2022, https://doi.org/10.1016/j.matpr.2022.01.352
7. BodduPrasuna, Durga Prasad Ravella, “Durability assessment of high-performance concretes containing graphene oxide”, Materials Today: Proceedings, 4th Feb 2022, https://doi.org/10.1016/j.matpr.2022.01.427
8. Durga Prasad Ravella, “Investigations on high performance self-compacting concretes through ternary blends”, Materials Today: Proceedings, 5 February 2022 https://doi.org/10.1016/j.matpr.2022.01.011
9. Jadi Raju, Ravella Durga Prasad and PV Chandrasekhara Rao, “Performance Assessment of High Strength Concretes Containing Foundry Sand as Fine Aggregate”, IOP Conf. Ser.: Earth Environ. Sci. 1086 012058 **DOI** 10.1088/1755-1315/1086/1/012058.
10. Kormani Pavankalyan, R Durga Prasad, S Pradeep Kumar, “Mechanical And Durability studies on Concretes Containing Crumb Rubber Fine Aggregate” IOP Conf. Series: Earth and Environmental Science 1086, (2022) 012013, IOP Publishing, doi:10.1088/1755-1315/1086/1/012013
11. Priyan, M.V., Annadurai, R., Alaneme, G.U. Durga Prasad Ravella, S Pradeep Kumar, Bamidele Charles Olaiya , “A study on waste PCB fibres reinforced concrete with and without silica fume made from electronic waste. Sci Rep **13**, 22755 (2023). https://doi.org/10.1038/s41598-023-50312-z

National Journal

1. NIL.

International Conferences:

1. K. Ganesh Babu, C. Lakshmana Rao, R. Durga Prasad and K. Vamsi Sai, “Evaluation of the in service thermal cycling effects on the fast breeder reactor containment concretes”, SMiRT-22, San Francisco, California, USA - August 18-23, 2013.
2. K. Ganesh Babu, R. Durga Prasad and B. Chandrasekhar (2011). “An appraisal of strength to water-cement ratio relations”. XXI Nordic Concrete Research Symposium, Finland. Pp. 363-366.
3. K. Ganesh Babu, B. Chandrasekhar and R. Durga Prasad (2011). “Effect of temperatures on the accelerated curing of concrete”. XXI Nordic Concrete Research Symposium, Finland. Pp. 389-392.

National Conferences

1. Prabakaran. A and Durga Prasad. R (2010). “Behaviour of Masonry Buildings under Simulated Earthquake Loading”. Proceedings of the National conference on Recent Advances in Civil Engineering, CUSAT, Cochin, Kerala.
2. K. Ganesh Babu, B. Chandrasekhar and R. Durga Prasad (2010). “Early appraisal of concrete strength for quality control”. Proceedings of Seventh Structural Engineering Convention, Annamalai University, Chidambaram. Pp. 467-470.
3. K. Ganesh Babu, C. Lakshmana Rao, R. Durga Prasad and K. Vamsi Sai, “Effects of thermal cycling on the mechanical properties of concrete”, Indian Conference on Applied Mechanics (INCAM) 2013, IIT Madras, 4 – 6 July 2013.
4. Akhil Khambhammettu, Isha Patel S and Durga Prasad R, “Studies on effective utilization of calcined and uncalcined zeolite in high performance ternary blended concretes”, SWAYAM 2018, BITS Pilani, Goa Campus, 4th – 5th July 2018.

5. Sravan Kumar Siliveri, Isha Patel S and Durga Prasad R, “Studies on effective utilization of copper slag fine aggregate in high strength concretes”, SWAYAM 2018, BITS Pilani, Goa Campus, 4th – 5th July 2018.
6. K. Akhil, Isha Patel S, Durga Prasad, “Effective utilization of Wollastonite in high performance ternary blended cement concretes”, Transportation Research Efforts for Ecological Sustainability” (TREES-2018), VNR VJIET, 28th and 29th September 2018.

7. Sravan Kumar Siliveri, Isha Patel S and Durga Prasad R, “Studies on effective utilization of copper slag fine aggregate in high strength concretes”, Transportation Research Efforts for Ecological Sustainability” (TREES-2018), VNR VJIET, 28th and 29th September 2018.
8. Jyothirmai, E. Jeevana Smitha, R. Durga Prasad, Kunal Agarwal, “Effects of contaminants in mixing water on the performance characteristics of cement concrete”, RECENT TRENDS IN CIVIL ENGINEERING - 2019, CVR College of Engineering, 22nd – 23rd, February 2019.
9. M. Rajashekar Reddy, R. Durga Prasad and Yashwanth Goud, “Effective utilization of Ternary Blended Cement Concretes using Fly Ash and Ground Granulated Blast Furnace Slag”, RECENT TRENDS IN CIVIL ENGINEERING - 2019, CVR College of Engineering, 22nd – 23rd, February 2019.
10. Yashwanth Goud. S, Durga Prasad. R, Sravan Kumar. S, “Evaluation of Optimum usage of Copper slag aggregate in High Performance Concretes”, Two day National Conference on Advances in Sustainable Construction Materials, National Institute of Technology – Warangal, 15th and 16th March 2019.
11. P. Narender Kumar, A. Ramesh and R. Durga Prasad, “A study on cell filled concrete pavement with partial replacement of recycled aggregate for low volume roads”, Two day National Conference on Advances in Sustainable Construction Materials, National Institute of Technology – Warangal, 15th and 16th March 2019.
12. J. Vishali, Durga Prasad R* and A. Jyothirmai, “Mechanical and durability studies on high performance self-compacting concrete containing Wollastonite Microfibers”, International conference on innovative trends in civil engineering for sustainable development, National Institute of Technology Warangal, September 13-15 2019.