


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Mr. P. RAMSHANKAR / T0796			
Designation	Assistant Professor			
Department	Civil Engineering			
Date of Joining the Institution	26.06.2013			
Qualifications	B.E - Civil Engineering	M.E – Infrastructure Engineering	(Ph.D) in Civil Engineering	
Total Experience	Overall: Academic: 11 Years & 5 Months Industry: 2 Years		In RMK: 11 Years & 5 Months	
Nature of Association (Regular/Contract/Adjunct)	Regular			
Papers Published in Journal	Overall: 17		After Joining RMK: 17	
List of Papers Published	<ol style="list-style-type: none"> 1. Joyson Silva, P, Binu Sukumar, Hemamathi, A, Ram Shankar, “Enhancing concrete performance and sustainability through carbonation curing: Effects of fly ash incorporation and mechanical properties evaluation”, IOP Conf. Series: Earth and Environmental Science, 1409 (2024) 012028. https://doi:10.1088/1755-1315/1409/1/012028 (WOS) 2. Sudhakar Sakthivel, Saravanakumar Palaniraj, Ramshankar Paramasivam, Thiru Shanmugam, “Optimizing concrete strength with tapioca peel ash: a central composite design approach, Revista Materia Vol 24 (2), 2024. https://doi.org/10.1590/1517-7076-RMAT-2024-0422 (WOS) 3. Ramshankar P, G Prabha, A. Mohan, Gaayathri K K, “A Study on Temperature Changes of Sea Surface Phytoplankton Pigment Concentration Over Gulf of Manner, India”, Nanotechnology Perceptions 20 No. S10 (2024) 158–168. https://doi.org/10.62441/nano-ntp.v20iS10.13 (Scopus Indexed) 4. Gaayathri K K, Ramshankar P, G Prabha, A. Mohan, “The Influence of Nano Silica and Micro Silica on the Compressive Strength of Hybrid Fiber-Reinforced Concrete”, Nanotechnology Perceptions 20 No. S10 (2024) 69–75. https://doi.org/10.62441/nano-ntp.v20iS10.7 (Scopus Indexed) 			

5. A. Mohan, Gaayathri K K, **Ramshankar P**, G Prabha, "Utilizing Regression Analysis (RA) to Analyse Concrete Beams Confined with GFRP Laminates Using FEA Methodology", *Nanotechnology Perceptions* 20 No. S10 (2024) 98–108. <https://doi.org/10.62441/nano-ntp.v20iS10.9> (**Scopus Indexed**)
6. G Prabha, A. Mohan, Gaayathri K K, Ramshankar P, "Mechanical Characteristics of Recycled Aggregate Concrete (RAC) using Alccofine Alongside River Sand and M-Sand", *Nanotechnology Perceptions* 20 No. S10 (2024) 136–147. <https://doi.org/10.62441/nano-ntp.v20iS10.11> (**Scopus Indexed**)
7. **P Ramshankar**, Binu Sukumar, R Aishwarya, P R Darshan, Hrithik, "Experimental Investigation on Bituminous Pavement Using Construction Demolition Waste and Plastic Waste" *Indian Journal of Science and Technology*, Vol 16(21) pp-1546-1554, May 2023. <https://doi.org/10.17485/IJST/v16i21.1792> (**WOS**)
8. **P Ramshankar**, K Sharan Kumar, A Mohan, M Vignesh, "Experimental studies on High strength concrete with shredded plastic waste as replacement to fine aggregate" *European Chemical bulletin*, pp-87-98, March 2023. DOI: [10.31838/ecb/2023.12.1.007](https://doi.org/10.31838/ecb/2023.12.1.007) (**Scopus Indexed**)
9. A Mohan, K Sharan Kumar, M Siva, M Vignesh, **P Ramshankar**, "Geo-Polymerisation of Industrial Waste using Construction and Demolition waste as fine and coarse aggregate" *European Chemical bulletin*, pp-33-38, March 2023. DOI: [10.31838/ecb/2023.12.2.006](https://doi.org/10.31838/ecb/2023.12.2.006) (**Scopus Indexed**)
10. Aishwarya R, Faizuneesa A, Hemamathi A, **Ramshankar P**, Yuvaraj M, "Correlation Study of Physico-Chemical Parameters and Water Quality Index Around Kodungaiyur Dumping Ground", *IOP Conf. Series: Earth and Environmental Science*, Volume 1084, 2022. [doi:10.1088/1755-1315/1084/1/012061](https://doi.org/10.1088/1755-1315/1084/1/012061) (**Scopus Indexed**)
11. **P Ramshankar**, Binu Sukumar, S. Kishore Kumar, V Karan Kumar and C Karthick, "Experimental Investigation on Sound Absorption Property of a Panel Board using Maize Stem", *ICAPSM 2021- Journal of Physics: Conference Series*, Volume 2070, 2021. [doi:10.1088/1742-6596/2070/1/012219](https://doi.org/10.1088/1742-6596/2070/1/012219) (**Scopus Indexed**)
12. R G Dhilip Kumar, Binu Sukumar, A. Hemamathi, **P Ramshankar** and Sharanya Balki, "Experimental Investigation on Ferrocement Slab Using Partial Replacement of Cement by Ceramic Powder", *ICAPSM 2021- Journal of Physics: Conference Series*, Volume 2070, 2021. [doi:10.1088/1742-6596/2070/1/012195](https://doi.org/10.1088/1742-6596/2070/1/012195) (**Scopus Indexed**)

	<p>13. P. Ramshankar, K.S. Ramana, Sairam, A. Pragadeesh, R. Prasanth, "Study of concrete pressure in formwork using sensor" Elsevier - Materials Today Proceedings, Volume 43, pp. 1190–1196, 2021. https://doi.org/10.1016/j.matpr.2020.08.743 (WOS)</p> <p>14. Ramshankar P, Vani santhiya B, Uma N, Swathi C V, Dilli K, "Soil Stabilization Using Waste Glass Powder" Journal of Xidian University, Volume 14, Issue 7, 2020, pp. 1836-1841. https://doi.org/10.37896/jxu14.7/210</p> <p>15. Ramshankar P, Binu Sukumar, Joyson Silva P, Dhilip Kumar R G, published a paper titled "Mechanical properties of Structural light weight concrete (SLWC) and economical perspective of using SLWC in construction" Test Engineering and Management, Volume 83, pp. 44 – 50, March/April 2020. (Scopus Indexed)</p> <p>16. Joyson Silva P, Dhilip Kumar R G, Binu Sukumar, and Ramshankar P (2019) "Effect of Wind and Earthquake Loading on Telecommunication Tower" International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-9 Issue-1S, pp.373-379, November 2019. (Scopus Indexed)</p> <p>17. J. Jenishta louis, P. Ramshankar, R. Arun Prathap, Sharanya Balki, "Experimental Study on Polypropylene Fiber Reinforced Concrete" Journal of Applied Science and Computations (JASC), Volume VI, Issue V, May 2019, pp. 1676-1682.</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall: 3	After Joining RMK: 3
Ph.D's / Projects Guided	Ph. D's Guided: Nil	Student Projects Guided: 21
Books Published:	Count: 2	
	<p>1. Co-Authored a book titled "Construction Materials, published by Magnus Publications in the year 2016.</p> <p>2. Co-Authored a book titled "Railways Airports and Harbour, published by Magnus Publications in the year 2016.</p>	
Patents	Published Count: Nil	Granted Count: 2
	<p>1. V Saran Kumar, Binu Sukumar, P Ramshankar, Valluru Narendra Naidu, P Ragul Kumar R Ramkrishnan, "Ready Mix Paint and RMP Dispenser", Application No. 201841049956 granted on 19/07/2023.</p> <p>2. V Saran Kumar, Binu Sukumar, P Ramshankar, "A method of monitoring a self-powered water pump for generating electricity", Application No. 201841049963 granted on 22/03/2024.</p>	

Professional Memberships	Count: 2
	<ol style="list-style-type: none"> 1. Life member of Indian Society of Technical Education (ISTE) - Membership no. LM 105454 2. Life member of International Society for Development and Sustainability (ISDS) - Membership no. M13110663
Consultancy Projects Completed	Count: 100
Awards Received	Count: 03
	List: <ol style="list-style-type: none"> 1. Best Faculty Advisor Award (2023-24) from Institution of Engineers (IEI) 2. Best Faculty Advisor Award (2022-23) from Institution of Engineers (IEI) 3. Academic Excellence Award (2022-23) from Institution of Engineers (IEI)
Research grants Received	Nil
Orchid Link / ID	ID: https://orcid.org/0000-0003-2103-0666
Google Scholar Link / ID	ID: https://scholar.google.co.in/citations?hl=en&user=aVB3OAEAAAAJ
Vidwan Link / ID	ID: https://vidwan.inflibnet.ac.in/profile/305233
Research Gate Link / ID	ID: https://www.researchgate.net/profile/Ramshankar-Paramasivam
Scopus Link / ID	ID: https://www.scopus.com/authid/detail.uri?authorId=57201032346