

FACULTY PROFILE

Name of Teaching Staff / RMK ID	Joyson Silva P / T0701		
Designation	Assistant Professor		
Department	Civil Engineering		
Date of Joining the Institution	20.06.2012		
Qualifications	B.E. in Civil Engineering	M.Tech in Structural Engineering	(PhD) in Civil Engineering
Total Experience	Overall: 11 Years & 5 Months	in RMK: 11 Years & 5 Months	
Nature of Association (Regular/Contract/Adjunct)	Regular		
Papers Published in Journal	Overall: 12	After Joining RMK :11	
List of Papers Published	<ol style="list-style-type: none"> 1. P Joyson Silva, R Vignesh, Binu Sukumar, Nithish Kumar (2023) Adaptive Traffic Signal Timer for A Signal in Chennai Metropolitan City Using Python and OpenCV. <i>Indian Journal of Science and Technology</i>. 16(13): 1007-1013. https://doi.org/10.17485/IJST/v16i13.2131 2. Joyson Silva P, Samba Siva Rao T, Binu Sukumar, Kabilan M. (2022) Microsimulation Modeling of Traffic Congestion at Signal Intersection of Thirumangalam Chennai Metrocity. <i>Indian Journal of Science and Technology</i>. 15(29): 1429-1439. https://doi.org/10.17485/IJST/v15i29.1717 3. P Joyson Silva, Binu Sukumar, R Periyasamy, M Siva Rahul, A Salman Ahmed, R Santhosh and S Sajin Raj (2021), Experimental Study on Strengthening of Concrete Cylinders Using GFRP Sheets with Boron Carbide-Epoxy Composite, <i>Journal of Physics: Conference Series</i>, Volume 2070, https://doi.org/10.1088/1742-6596/2070/1/012182 4. Ramshankar P, Binu Sukumar, Joyson Silva P, Dhilip Kumar R G (2020), Mechanical Properties of Structural Light Weight Concrete (SLWC) and Economical Perspective of using SLWC in Construction, <i>Test Engineering Management</i>, ISSN: 0193 – 4120, Volume 82, Page 		

No. 44-50, March - April 2020

5. Dr. Binu Sukumar, **Joyson Silva P**, Dhilip Kumar R G (2020), "Effect of Slab Opening in Seismic Resistance of Structures" Test Engineering Management, ISSN: 0193 – 4120, Volume 82, Page No. 14850 – 14855, January - February 2020
6. **Joyson Silva P**, Dhilip Kumar R G, Binu Sukumar, Ram Shankar P (2019), "Effect of Wind and Earthquake Loading on Telecommunication Tower", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-1S, November 2019
7. Binu Sukumar, **Joyson Silva P**, V.Sherin (2017), "Permeation Properties of Self – Compacting Concrete using High Volume Fly Ash", SSRG International Journal of Civil Engineering (SSRG-IJCE), Vol.4, Issue .5, May 2017, pp. 1-4
8. Binu Sukumar, **Joyson Silva P** (2016), "Durability Characteristics of Self-Compacting Concrete Containing Low Calcium Fly Ash", International Journal of Advance Engineering and Research Development (IJAERD), Vol.3, Issue .1, January 2016, pp. 137-142
9. Binu Sukumar, **Joyson Silva P** (2016), "Effect of Polymeric Admixtures on Self-Compacting Concrete, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol.5, Issue .1, January 2016, pp. 660-665
10. Binu Sukumar, Usha Rani M, **Joyson Silva P** (2015), 'Micro-Structural Characteristics of Self-Compacting Concrete with High Volume Fly Ash', International Journal of Applied Engineering Research, Volume 10, Number 4 (2015) pp. 10265-10277.
11. Binu Sukumar, Usha Rani M, **Joyson Silva P** (2015), Replacement of River Sand by Crusher Dust in Self Compacting Concrete', International Journal of Applied Engineering Research, Volume 10, Number 4 (2015) pp. 10201-10210
12. **Joyson Silva P**, Dr. P Jayabalan (2013) Finite element analysis of CFRP strengthened hot rolled steel column, International Journal of Conceptions on Mechanical and Civil Engineering, Vol. 1, Issue. 1, Dec' 2013; ISSN: 2357 – 2760, pp.5-9

Papers Presented in Conferences (Scopus / WoS indexed only)	Overall: 2	After Joining RMK: 2
Ph.Ds / Projects Guided	Ph.Ds Guided : NIL	Student Projects Guided: 20
Books Published:	Count: 3	
	<ul style="list-style-type: none"> • Coauthored a book titled “Strength of Materials, Volume II” published by Yes Dee Publishing Pvt. Ltd. with ISBN-13: 978-9388005418 in the year 2020 • Coauthored a book titled “Strength of Materials, Volume I” published by Yes Dee Publishing Pvt. Ltd. with ISBN-13: 978-9388005029 in the year 2018 • Coauthored a book titled “Strength of Materials” published by Magnus Publication with ISBN- 13: 978-81-932009-1-9 in the year 2016. 	
Patents	Published Count: 1	Granted Count: NIL
Professional Memberships	Count: 4	
	<ul style="list-style-type: none"> • ICI (Indian Concrete Institute) • ISTE (Indian Society for Technical Education) • ISSE (Indian Society of Systems for Science and Engineering) • IAARC (International Association for Automation and Robotics in Construction) 	
Consultancy Projects Completed	Count: 10	
Awards Received	Count: 02	
	List: <ol style="list-style-type: none"> 1. Best Faculty Advisor Award (2022-23) from Institution of Engineers (IEI) 2. Academic Excellence Award (2022-23) from Institution of Engineers (IEI) 	
Research grants Received	NIL	
Orchid Link / ID	https://orcid.org/0000-0003-3108-8722	
Google Scholar Link / ID	https://scholar.google.co.in/citations?user=uop2oulAAAAJ	
Vidwan Link / ID	https://vidwan.inflibnet.ac.in/profile/213893	
Research Gate Link / ID	https://www.researchgate.net/profile/Joyson-P	
Scopus Link / ID	https://www.scopus.com/authid/detail.uri?authorId=56595144600	