


Faculty Profile

General					
Name	Dr.Shivaraj G Nayak				
Designation, Department & Affiliated Institution	Assistant Professor Department of Civil Engineering, P.E.S College of Engineering, Mandya – 571 401				
Research Area	Structural Engineering				
Contact Number	+91 9620726360				
Email ID	shivaraj.msrit@gmail.com				
Academic Profile					
Educational Qualifications					
Degree	College	University	Year of Passing	% ge	Class
Ph.D	MSRIT, Bangalore	VTU	2023	Awarded	
M. Tech	MSRIT, Bangalore	VTU	2011	9.1 CGPA	FCD
B.E	MCE, Hassan	VTU	2008	68	FC
Professional Experience					
Organization & dept.		Designation	Period	Total of Experience	
Civil-Aid Techno clinic pvt ltd. Bangalore		QA Engineer	June 20008-July2009	1 year 1 month	
Optimization Consultants, New Delhi		Structural Design Engineer	July 2011-October 2011	4 Months	
Cruthi consultants Consortium Pvt Ltd.Bangalore		Structural Design Engineer	Nov 2011-Nov 2013	2 years 1 month	
PESCE, Mandya		Assistant Professor	Feb 2014 –till date	9years 6 months	
Report of Work					
Teaching (Details of courses taught)	<u>Undergraduate:</u> Engineering Mechanics, Materials of Construction, Strength of materials, Building planning and Drawing, Concrete technology, Basic Structural Analysis, Analysis of Indeterminate structures, Design and Drawing of RCC structures, Advanced concrete technology, Estimation and costing, Design & Drawing of steel structures, Design of Bridges <u>Post Graduate (M. Tech):</u> Structural Design-RCC Structures, Structural Software laboratory				
Research Guidance (Ph.D /M.Sc Engg Student awarded & pursuing)	Awarded		Pursuing		
	Ph.D	M.Sc Engg	Ph.D	M.Sc Engg	
	--				
Sponsored Research (List of Projects taken up/completed and funds receiver & funding sources)					
Publications					
Papers in Refereed Journals (No.)	National			International	
				16	
Papers at Conferences (No.)	National			International	
				02	

LIST OF PUBLICATION

1. Shivaraj G Nayak et.al (2023),” Comparison on seismic behavior of RC diagrid structure with CFST diagrid structure:” *International journal of modernization in engineering technology and science (IRJMETS)*, Volume 05, issue 07, July 2023.
2. Shivaraj G Nayak et.al (2023),” Aerodynamic optimization of building shapes by using ETABS”, *TIJER-International research journal TIJER, ORG, ISSN: 2349-9249, volume 10, Issue 6, June 2023.*
3. Shivaraj G Nayak et.al (2022),” Experimental study on load deformation behaviour of three edges fixed and one edge simply supported AAC two way rectangular slabs”, *Neuroquantology*, vol. 20, Issue 9, pages 6581-6584, September 2022, DOI: 10.14754/nq.2022.20.9.NQ44769
4. Shivaraj G Nayak et.al (2022),”Parametric studies on Load Enhancement of two way rectangular alkali activated concrete simply supported slabs”, *NeuroQuantology*, vol. 20, Issue 13, pages 2323-2328, November 2022, DOI: 10.14704/nq.2022.20.13.NQ88290
5. Shivaraj G Nayak et.al (2022),”Progressive Collapse Analysis of T shape RCC Building”, *IOP conference series: Earth and Environmental science*, doi:10.1088/1755-1315/1125/1/012017.
6. Shivaraj G Nayak et.al (2022),” Finite element analysis of steel fibre reinforced concrete (sfrc) under monotonic stresses in tension”, *International journal of advances in engineering and management (IJAEM)* Volume 04, issue 07, July 22, pp 1455-1457, ISSN: 2395-5252.
7. Shivaraj G Nayak et.al (2021). “Seismic vulnerability and Resilience of Steel-Reinforced Concrete (SRC) and Composite Structures”.*Design Engineering*,ISSN: 0011-9342 ,Year 2021, Issue: 7 | Pages: 11455-11469
8. Shivaraj G Nayak et.al (2021),“Mechanical properties of High Strength Alkali activated Concrete, *Nat.Volatiles & Essent.oils*, vol. 8, Issue 4, pages 5162-5170, 2021, BadebioBiotechnololgy Ltd
9. Shivaraj G Nayak et.al (2021). “Use of Fly Ash and GGBS with Alkaline Solution based Geopolymer” *Nat. Volatiles & Essent. Oils*, 2021; 8(4): 3125-3134
10. Shivaraj G Nayak et.al (2021), “Investigation of Waste Paper Cellulosic Fibers Utilization into Cement Based Building Materials”, *Nat. Volatiles & Essent. Oils*, 2021; 8(4): 3076-3087.
11. Shivaraj G Nayak et.al (2021), “ Analysis and design of water storage tank”, *Design Engineering*,ISSN:0011-9342,year 2021,issue 07,pages:13576-13602,
12. Shivaraj G Nayak et.al (2020), “Analysis of High Rise Steel and RCC Building subjected to Blast loading”. *International Journal for Research in applied science & Engineering Technology*, ISSN: 2321-9653, Vol8, Issue VIII.
13. Shivaraj G Nayak et.al (2020), “Dynamic Behavior of Masonry infill 2D and 3D RC frames by Macro Analysis”. *International Research Journal Of Engineering and Technology*-ISSN 2395-0056, vol 07, Issue 07.
14. Shivaraj G Nayak et.al (2019), “Progressive collapse Analysis of Atypical Reinforced concrete framed Structures”. *International Journal of Engineering Research & Technology*, ISSN: 2278-0181, vol.8, Issue 05.
15. Shivaraj G Nayak et.al (2019), “Progressive collapse Analysis of Irregular Reinforced concrete framed Structures”. *International Journal for Research in applied science & Engineering Technology*, ISSN: 2321-9653, Vol7, IssueV.
16. Shivaraj G Nayak et.al (2019), “A study on Flexural Behavior of Rectangular GPC Slabs having partially restrained supports using ANSYS software. *International Journal for Research in applied science & Engineering Technology*, ISSN: 2321-9653, Vol7, IssueVI, June 2019

17. Shivaraj G Nayak et.al (2019), “A study on Flexural Behavior of Rectangular GPC Slabs with simple support using ANSYS software. *International Journal for Research in applied science & Engineering Technology*, ISSN: 2321-9653, Vol7, Issue VI, June 2019.
18. Shivaraj G Nayak et.al (2017), “Experimental Investigations on strength and weight loss due to chemical attack on self compacting concrete” *Global civil Engineering Challenges in sustainable Development and climate change (ICGCSC-17)* held during 17th -18th March 2017 at Mangalore Institute of Technology and Engineering, Moodbidri.

PATENT

1. Indian Patent “An Architectural Engineering Construction Device”, Design No. 349270-001, Patent Granted 23/12/2022.

BOOKS PUBLISHED

1. Prashant Sunagar, Shivaraj G Nayak, S Hemavathi & Sushilkumar Magade “Elements of Civil Engineering”, Scientific International Publication House, ISBN:978-93-5757-336-8.
2. Prashant Sunagar, Shivaraj G Nayak, Raghu babu upara & M chittaranjan “Construction project management”, RK Publications ,ISBN:978-81-19140-08-4.