



SRM Valliammai Engineering College

SRM Nagar, Kattankulathur-603203, Kancheepuram District, Tamil Nadu

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Department of Civil Engineering

Personal Details

Name :	Sattainathan Sharma A
Designation :	Assistant Professor
Educational Qualification :	M.E.
Experience:	7 Years 0 Months
Area of Specialization :	Structural Engineering
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Educational Details

S.No	Degree	Branch/Specialization	Institution / University	Year
1	B.E	Civil & Structural Engineering	Sri Chandrasekharendra Saraswathi Viswa Maha Vidyalyaya	2013
2	M.E	Structural Engineering	Anna University	2015

Professional Society Memberships

1. Indian Society of Technical Education: Life Member LM 106620
2. Institute of Engineers(India) - IE(I) : AMIE : AM1754699

Publication Details

Details of publication in referred journals

S.I No	Description	Numbers
1.	No.of Journals published in Science Citation Index (SCI) Expanded (Web of Science)	02
2.	No.of Journals published in Scopus Index	03
3.	No.of Journals published in Peer reviewed Journals	26
4.	Scopus h-index	01
5.	Google Scholar h-index	02
6.	No.of journals published as a 1 st author	07

Academic Year 2015-16

S.I No	Paper Title	Name of the Journal	Volume & Issue	Month & Year
1.	Utilisation of Granite Chips as a Supplementary Coarse Aggregate Material	Indian Journal of Science and Technology	Volume 9(2) 86346	January 2016

2.	Comparative Study on Multi-storey Structure of R.C.C and Composite Material	Indian Journal of Science and Technology	Volume 9(2) 86363	January 2016
3.	Comparative study of cost and time evaluation in RCC, steel & Composite high rise building	Journal of Chemical and Pharmaceutical Sciences	Volume 8 Issue 4	October- December 2015
4.	Experimental Study on Torsional Behaviour of Hooked-End Steel Fiber Reinforced Beam	International Journal for Scientific Research & Development	Volume 4, Issue 01	March 2016
5.	Experimental Study on Flexural Behaviour of Steel-Concrete Composite Beam using Epoxy Adhesive Bonding	International Journal for Scientific Research & Development	Volume 4, Issue 02	April 2016
6.	Experimental Study on Torsional Behaviour of Crimped Steel Fiber Reinforced Beam	International Journal of Engineering Science and Computing	Volume 6 Issue No. 4	April 2016

Academic Year 2016-17

S.I No	Paper Title	Name of the Journal	Volume & Issue	Month & Year
1	Comparative study on buckling Behaviour of reinforced Composite column with Conventional columns	International Journal of Advanced Research in Management, Architecture, Technology and Engineering	Vol. 3, Issue 08, 2017	March 2017
2	Experimental investigation on Flexural Behaviour of Ferro cement composite beam using Self-compacted concrete	International Journal of Advanced Research in Management, Architecture, Technology and Engineering	Vol. 3, Issue 08, 2017	March 2017
3	Experimental Investigation on Cellular Lightweight Concrete	International Journal for Scientific Research & Development	Vol. 5, Issue 02, 2017	April 2017
4	Influence of Foam Densities in Cellular Lightweight Concrete	International Journal for Research in Applied Science & Engineering Technology	Vol. 5, Issue 4, 2017	April 2017
5	Experimental investigation on local And post – local buckling behaviour Of steel - concrete composite column	International Journal of Advanced Research Trends in Engineering and Technology	Vol. 4, Issue 9, 2017	April 2017
6	Experimental investigation on Flexural behaviour of coldformed Beam with lightweight Concrete	International Journal of Advanced Research Trends in Engineering and Technology	Vol. 4, Issue 9, 2017	April 2017
7	Influence of Copper Slag in Concrete as Partial Replacement for Fine Aggregate	International Journal for Scientific Research & Development	Vol. 5, Issue 02, 2017	May 2017

Academic Year 2017-18

S.I No	Paper Title	Journal	Volume& Issue	Month & Year
1	Finite Element Analysis of offshore Platform (Wind Farm)	International Journal for Scientific Research and Development (IJSRD)	Volume 6, Issue 2	April 2018
2	Analytical and Experimental study on the behavior of Cold-formed Steel beam column connections	International Advanced Research Journal in Science, Engineering and Technology	Vol. 5, Issue 04	April 2018
3	Analytical Study on the Behavior of Cold Formed Beam Column Connections	International Journal of Innovative Research in Science, Engineering and Technology	Volume 7 Issue No. 5	April 2018
4	Experimental Study on Strength Parameters of Textile Reinforced Concrete under Cyclic Loading	International Journal of Innovative Research in Science, Engineering and Technology	Volume 7 Issue No. 5	April 2018
5	Study on strength parameters of textile reinforced concrete	International Research Journal of Engineering and Technology (IRJET)	Volume 5 Issue 5	May 2018

Academic Year 2018-19

S.I No	Paper Title	Journal	Volume& Issue	Month & Year
1	A study on the behavior of Cold-formed Steel sections beam column connections	International Research Journal of Engineering and Technology (IRJET)	Volume: 05 Issue: 06	June 2018
2	Experimental investigation on bubble deck slab confining high density polyethylene(hdpe) spheres	International Research Journal of Engineering and Technology (IRJET)	Volume: 06 Issue: 03	March 2019
3	Ductility Behaviour of Steel Fibre Reinforced Concrete Beam Strengthened with GFRP Laminates	International Research Journal of Engineering and Technology (IRJET)	Volume: 06 Issue: 03	March 2019
4	The Future of Nanotechnology in Structures	International Journal of Engineering Science and Computing	Volume: 09 Issue: 04	April 2019
5	A Study on Mechanical and Durability Performances of Nano Modified Concrete	International Journal of Engineering Science and Computing	Volume: 09 Issue: 04	April 2019
6.	Analytical Study of Vehicle Assembly Building (VAB) for Space Propulsion Systems	IJESC - International Journal of Engineering Science and Computing	Volume: 09 Issue: 05	May 2019

7.	Influence of Nano Silica as Additive in Concrete	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Volume-8 Issue-8	June, 2019
8.	Dynamic analysis and design of jacket towers in offshore Structures	International Journal of General Engineering and Technology (IJGET)	Volume-8 Issue-4	Jun - Jul 2019

Academic Year 2019-20

S.I No	Paper Title	Journal	Volume & Issue	Month & Year
1	A Preliminary Assessment of Marine Algae on Concrete	International Journal for Research in Applied Science & Engineering Technology	Volume 8 Issue III	March 2020
2	Analytical study on the Structural Behaviour of Concrete InFilled Double Skin Steel Tubular (CFDST) Column	International Advanced Research Journal in Science, Engineering and Technology	Volume: 07 Issue: 03	March 2020
3	Analytical Study on Delta Hollow Flange Steel Beam with and without Stiffeners	International Journal of Innovative Research in Science, Engineering and Technology	Volume: 09 Issue: 03	March 2020
4	Analytical Assessment on the Structural Behaviour of CFST and CFDST Short Columns using Ansys	International Journal of Recent Technology and Engineering	Volume: 09 Issue: 01	May 2020
5	Flexural Behaviour of Delta Hollow Flange Steel Beam with and without stiffeners	International Journal of Recent Technology and Engineering	Volume: 09 Issue: 01	May 2020

BOOKS

1. Computer Aided Building Drawing - Sri Krishna Hi tech Publishing Company Private Limited , February 2018 (ISBN 978-93-86590-43-5)

CONFERENCES

S.No	Name of the Conference	National/ International	Title of the Paper
1	Advances and innovation in Civil Engineering	National	Comparative study on R.C.C., Steel and Composite structures
2	Innovative Technologies for	International	Experimental Investigation on

	sustainable built environment (ITSBE '17)		Cellular Lightweight Concrete
3	Innovative Technologies for sustainable built environment (ITSBE '17)	International	Experimental Investigation on Buckling behavior of composite columns'
4	Advances in Civil & Environmental Engineering (AICEE T17)	National	Experimental Investigation on Buckling behavior of composite columns
5	Recent Innovations in Civil engineering and Management	International	Analytical Study on the behaviour of Cold Formed Beam Column Connection
6	Recent Innovations in Civil engineering and Management	International	Experimental Study on Strength Parameters of textile Reinforced concrete under Cyclic Loading
7	International Conference on Informatics, Robotics, Construction and Communication	International	Experimental study on comparison of conventional & Coconut Shell Concrete with Replacement and addition of Silica Fume in Cement
8	International Conference on smart Automation in computer, Electrical, Electronics and communication Engineering 2021	International	State of the art on the behavior of RC Beam strengthened with FRP
9	International Conference on smart Automation in computer, Electrical, Electronics and communication Engineering 2021	International	State of the art on the behavior of High Performance concrete with Polyolefin Fibres
10	National Conference on recent advancement in Geotechnical Engineering	National	Study on the flexural behavior of RC beam strengthened with FRP
11	National Conference on recent advancement in Geotechnical Engineering	National	Study on the flexural behavior of High performance concrete beam strengthened with polyolefin macro mono filament fibre

Research and Development Details

No. of P.G scholars supervised :10

H-Index - 02

Other Details

STTP/FDP COORDINATED

- ❖ **National Level Workshop** on " RC Design using FEM based Akse RCBD Software" in association with akse RCBD Software solutions on 30.8.2021
- ❖ Organized a **Technical talk** on "Challenges in Fluid Mechanics" on 04.08.2021 through Online Mode

- ❖ Organized a **Guest Lecture** on **“Role Of Practicing Civil Engineers”** at SRM Valliammai Engineering College on 29.04.2021 through Online Mode
- ❖ Coordinator of Programme & Sessions Committee in International Conference on Smart Automation in Computer, Electrical, Electronics and Communication Engineering "ICSA 2021"
- ❖ Served as a **Resource Person** for **8 different short course** under **“Value added course”** organized by SRM VEC
- ❖ Supported for conduction of 1st ONLINE FACULTY DEVELOPMENT PROGRAMME for the department.

STTP/FDP PARTICIPATED

- ❖ Completed **NITTT 8 Modules** organized by India Council for Technical Education (AICTE)
- ❖ Completed 8 AICTE Training And Learning (ATAL) Academy FDP PROGRAMME
- ❖ Completed 5 NPTEL Courses organized by SWAYAM – IIT
- ❖ Completed 2 TEQIP FDP Programme.
- ❖ Completed 16 weeks Annual Refresher Programme in Teaching (ARPIT) organized by Coimbatore Institute of Technology on structural Engineering.
- ❖ Faculty Development Training Programme on DESIGN OF STEEL STRUCTURES at SKR Engineering College, during 04.01.2016 -11.01.2016
- ❖ STTP Programme – AICTE Sponsored on Computer Aided Design and Analysis of structures using Finite Element concepts in structural Engineering
- ❖ Completed of 5 days Faculty Development Program- Student Induction on UHV organized by All India Council for Technical Education (AICTE)
- ❖ Delivered an Expert Lecture in FDP titled **“CE 6302 Mechanics of Solids”** organized by SRM VEC