



JSS Mahavidyapeetha

JSS Academy of Technical Education

Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060

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FACULTY PROFILE

Department: Civil Engineering

1. Personal Details

NAME	Dr Santhosh B S	
DEPARTMENT	Civil Engineering	
DESIGNATION	Professor & Head	
PHONE	+91 74061 83927	
EMAIL ID	santhoshbs@jssateb.ac.in , hodciv@jssateb.ac.in	
Date of Joining (JSSATEB)	13-09-2010	

2. Experience

Total Experience in Years	Teaching: 12 Years	Industry: 1 Year	Research:10 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E.	Civil Engineering	2007	University Visvesvaraya College of Engineering, Bangalore	Bangalore University
M.Tech.	Structural Engineering	2010	M S Ramaiah Institute of Technology, Bangalore	Visvesvaraya Technological University
Ph.D.	Concrete Technology	2018	B M S College of Engineering, Bangalore	Visvesvaraya Technological University
Post Doc.				

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 0	National: 0
Papers Published in SCOPUS indexed Journals	International: 4	National: 0
Papers Published in other Journals	International: 5	National: 0
Papers Presented in Conferences / Symposium	International:8	National: 1

Books / Book chapters Published	Name of the book: Publisher: Year of Publication:
	Name of the book: Publisher: Year of Publication:

5. Research Guidance

PhD Guide? Give field & University	Yes, Concrete Technology. Structural Engineering	University: a. Visvesvaraya Technological University, Belagavi,
PhDs / Projects Guided	Ph.D: Nil	Projects at Master's Level: 2 Projects at Bachelor's Level: 10

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed

iii. Consultancy

Sl. No	Title of the work	Name of Funding Agency	Amount in Rs.	Date of submission & sanction	Duration	Remarks If any
1	Work Time Motion Study for MGNREGA Works in Karnataka	RDPR, Govt of Karnataka	18.05 Lakhs	Report Submitted on 07-02-2020	3 Years	Completed
2	Total station Survey	BSR Infratech Consultancy	5403/-	06/08-2021	1 week	Completed
3	Material testing	Different Firms	7155/-	-	-	Completed
4	Structural Designing for Mr Akash Residential Building	Mr Akash Residential building	69,118/-	26-06-2021	10 Months	Ongoing
5	NDT Test	M/s Design Key	40,000/-	20-01-2022	1 Month	Completed
6	Material testing	Mr Manoj Residential building	8968/-	14-04-2022	6 Months	Ongoing
7	3rd Party inspection of KRIDL	KRIDL, Govt of Karnataka	3,31,075/-	05-02-2022	3years	ongoing
5	NDT Test	M/s Design Key	35,000/-	08-09-2022	1 Month	Completed

7. Awards Received

Awards	Secured Fourth Rank in Bachelors Degree, Bangalore University
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8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1.	Quality Management Practices in the Construction Industries	Santhosh B S, Dr Nanjundeswaraswamy T S, Harshitha M N	GIS Science Journal	Volume 8, Issue 8, August 2021	Scopus		GIS Science Journal
2	Determining the Rheological Properties of Fresh Concrete using Concrete Shear Box	Santhosh B S	International Journal of Engineering and Advanced Technology (IJEAT),	<i>Volume 9, Issue-1, October 2019</i>	Scopus	5.97	Blue Eyes Intelligence Engineering & Sciences Publication (BEIESP)
3	Design of Total Water Management Solutions to JSSATE Campus	Santhosh B S, Madhukar.B.R, Priyanka B K, Meghana K C	International Journal of Advance Research and Innovative Ideas in Education (IJARIE)	<i>Volume 5, Issue-3, June 2019</i>	-	4.06	IJARIE
4	Effect of Sea Water on Fresh and Hardened Properties of Concrete	Santhosh B S, Chitra K R, Deepthi K P, Prabhavati, Santhosh Kumar	Journal of Emerging Technologies and Innovative Research (JETIR)	Volume 6, Issue-5, May 2019	-	5.87	JETIR
5	<i>Mycelium Composites: An Emerging Green Building Material</i>	Santhosh B S, Bhavana D R, Rakesh M G	<i>International Research Journal of Engineering and Technology</i>	Volume 05, Issue No 6, June 2018	-	7.529	IRJET
6	<i>Strength of Corrugated Roofing Elements Reinforced With Coir</i>	Santhosh B.S, Raghavendra N.R, Deepesh Jain, Vishal Singh, Ayush Pareek	<i>International Research Journal of Engineering and Technology</i>	Volume 04, Issue No 6, June 2017	-	7.529	IRJET
7	<i>Determination of Bingham Parameters of Fresh Portland Cement</i>	Girish, S and Santhosh, BS	<i>Bonfring International Journal of Industrial Engineering and</i>	Volume 02, Issue No 04 SPL, December 2012	-		<i>Bonfring intellectual integrity</i>

	<i>Concrete Using Concrete Shear Box</i>		<i>Management Science</i>				
8	<i>A new methodology to study the rheological properties of fresh Portland cement concrete</i>	Girish, S and Santhosh B S	<i>International Journal of Earth Sciences and Engineering</i>	Volume 04, Issue No 06 SPL, October 2011	Scopus	0.042	Cafet-Innova Technical Society

ii. National Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	Evaluation of strength properties of high-volume fly ash concrete incorporating nanomaterials	C. S. Shashikumar, M. Keshavamurthy, and B. S. Santhosh	2 nd International conference on Emerging Research in Civil, Aeronautical & Mechanical Engineering, NITTE Meenakshi Institute of Technology, Bengaluru	Volume 2201, Issue 1, 10 th January 2020	Scopus	-	AIP Publishing
2	Rheology: A Scientific Method to measure Workability	B. S. Santhosh, C. S. Shashikumar	Regional workshop on “ Engineering challenges related to the concept of new materials in construction industry, Dayananasagar College of Engineering, Bengaluru,	19 th September, 2018	-	-	-
3	A Scientific Approach for Determining the Workability of Concrete	Santhosh B S, Girish S,	National Conference on Smart and Sustainable Construction, Adichunchanagiri Institute of	16 th May, 2018	-	-	-

			Technology, Chikkamagaluru, Karnataka, India,				
4	A Scientific Approach for Determining the Workability of Concrete	Santhosh B S, Girish S,	National Conference on Smart and Sustainable Construction, Adichunchanagiri Institute of Technology, Chikkamagaluru, Karnataka, India,	16th May, 2018	-	-	-
5	A Unique Procedure For Finding The Rheological Properties Of Fresh Portland Cement Concrete Using Concrete Shear Tests	Girish S, Santhosh B S	International RILEM Conference on Rheology and processing of construction materials and 7 th International RILEM symposium on Self Compacting Concrete, Paris, France	2-4 th September 2013	-	-	RILEM
6	Reproducibility of Rheological Properties of Fresh Portland cement Concrete Following a Simple Unique Procedure Using Concrete Shear Tests	Girish S, Santhosh B S	International workshop on Performance, Protection and Strengthening of Structures under Extreme Loading, NIE, Mysuru	26-27 August 2013	-	-	-
7	Concrete Shear Test: A new tool for determining rheological properties of fresh Portland cement concrete	Girish S, Santhosh B S	International Conference on "Civil Engineering and Building Materials" (CEBM-2012), Taylor & Francis Group, London, UK,	17-18 November 2012	Scopus	-	Taylor & Francis Group
8	Rheological Measurement of Fresh Portland Cement Concrete Using Direct Shear Box Tests	S. Girish, Santhosh, B.S. Shobha, L, Vinay Kumar.G.S	International Conference on "Concrete in the Low Carbon Era" University of Dundee, Scotland, UK	9-11 July 2012	-	-	University of Dundee, Scotland
9	Determination	Girish S,	International	21-23 June-	-	-	<i>Bonfring</i>

	of Bingham Parameters of Fresh Portland Cement Concrete	Santhosh B S	Conference on Advances in Architecture and Civil Engineering, MSRIT, Bengaluru	2012			<i>intellectual integrity</i>
10	Repeatability of rheological parameters of SCC (Slag as Filler) using direct shear box	Ranganath, RV and Nandish, RC and Girish, S and Santhosh, BS	International Conference on Advances in Architecture and Civil Engineering, MSRIT, Bengaluru	21-23 June-2012	-	-	<i>Bonfring intellectual integrity</i>

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	Continuing Education Program on Advanced Concrete Technology	Department of Civil Engineering, Indian Institute of Technology Madras	23 rd – 28 th February 2014
2	Workshop on LaTeX	Department of Information science and Engineering, East west Institute of Technology, Bengaluru	26 th October 2013
3	International Workshop on Performance, protection and Strengthening of Structures under Extreme Loading	Building Fire Research Centre, The National Institute of Engineering & University of British Columbia, Mysuru, India	26 th – 27 th August 2013
4	International Conference on Self Compacting concrete and on Rheology and Processing of Construction Materials	AFGC & IFSTTAR, RILEM, Paris, France	2 nd – 4 th September 2013
5	International Conference on Civil Engineering and Building Materials	CEBM, Hong Kong	17 th -18 th November 2012
6	International Conference on Advances in Architecture and Civil Engineering	School of Architecture & Department of Civil Engineering, M S Ramaiah Institute of Technology, Bengaluru	21 st – 23 rd June 2012
7	National Conference on Artificial Intelligence & Software Engineering	Department of ISE & New Horizon Research Foundation, New Horizon college of Engineering, Bengaluru	4 th November 2011
8	International conference on Advances in Civil Engineering	Department of Civil Engineering, K L University, Guntur, Andhra Pradesh	21 st – 23 rd October 2011
9	Workshop on Research Methodologies & Latex	VTU-e Learning Center Mysore	5 th -6 th August 2011

10	National Workshop on Paper Presentation awareness and Research Methodology	Cafet Innova Technical Society (CITS and International Institute of Information Technology (IIIT-Hyderabad)	26th June 2011
11	3 rd Asian conference on Ecstasy in Concrete, ACECON 2010	Indian Institute of Technology Madras & Indian concrete Institute	5 th – 9 th December 2010
12	National Program for Capacity Building of Architects in Earthquake Risk Management in Building Design and Construction.	Department of Civil Engineering and School of Architecture, M S Ramaiah Institute of Technology	1 st – 5 th February 2010
13	International Conference fib-days 2008	Indian Member Committee of fib (IMC-fib)	21 st & 22 nd November 2008

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	“Industry institution interaction” in association with Civil Engineering Association and Construction Industry Development Academy on. Resource persons “Er K L Mohan Rao, President, Construction Industry Development Academy, Dr Nimish Shah, Managing Director, IAPMO India Pvt Ltd, and Dr Pankaj Shireesh, Head M/s Aliaxis Research and Technology center Asia.	Dr Santhosh B S, Harshitha M N	17th May 2022	Convener
2	5 days Staff Development Program on “Graphic and Video Editing tools” was jointly organized with Department of E& C and Department of Mechanical Engineering.	Dr Santhosh B S, Dr P M Shivakumar, Dr Bhimsen Soragaon	14 th March to 18 th March 2022	Convener
3	10 Days Virtual Faculty Development Program (FDP) on “Information and Communication Technology for Construction Sector” in association with Electronics and ICT Academy, Department of Civil Engineering, NIT Warangal.	Dr Santhosh B S, Abhishek R	17 th February to 26 th February 2022	Convener
4	Technical Training program for KRIDL Engineers” in Association with Karnataka Rural Infrastructure Development Limited (KRIDL), Government of Karnataka.	Dr Santhosh B S, Dr Swamy D R, Dr Shashikumara S R	23 rd and 24 th October 2021	Convener
5	International Seminar (Online) on Advances in Construction Engineering-ACE 2021 in association with Association of Consulting Civil Engineers (I) (ACCE), Bengaluru centre Indian Concrete Institute (ICI), Bengaluru Centre, Civil Engineering association, M/s Ramco Cements Limited and India BIM Association	Dr Santhosh B S, Abdul Razak B H, Shashi Kumara S R, Vivek S	26 th July to 28 th July 2021	Convener
6	Webinar on “Ecosystem restoration” Resource person Dr. D.R. Kumar swamy, Sr. Environmental Officer (Retd.,) Enviro care cell Head office, and SEO Bangalore North office, Karnataka State Pollution board	Dr Santhosh B S, Nagabhushan P	2 nd July 2021,	Convener
7	Webinar on “Professional Challenges and Job opportunities for Civil Engineers in 21st Century” by Prof Shyam Agasthya, National	Dr Santhosh B S, Nagabhushan P	18 th June 2021	Convener

	University of Science and Technology, Muscat, Republic of Oman.			
8	Webinar on “ Importance of GIS and GPS in India ” on Resource person Dr D C Lingadevaru, Scientific Officer, Karnataka state Remote sensing application center	Dr Santhosh B S, Nagabhushan P	11 th June 2021,	Convener
9	Special Lecture on “ Fundamentals of Remote Sensing and its Importance in Engineering ” on by Prof Lekha Thomas, Faculty- Programme of Remote Sensing and GIS, Karnataka state Remote Sensing Application Centre, Bengaluru.	Dr Santhosh B S, Nagabhushan P	4 th June 2021,	Convener
10	Webinar on “ Career Pathway and study abroad ” by Mr Joel Noronho, Head of Operations, Karnataka & Kerala, AECC GLOBAL. Bengaluru	Dr Santhosh B S, Harshitha M N	1 st June 2021	Convener
11	International webinar series on topic “ Green Campus ” in association with International Finance Corporation (IFC)- World Bank Group, Association of Consulting Civil Engineers (I) (ACCE), Bengaluru center and M/s Ramco Cements Limited Jointly organized with Centre for Inter-disciplinary research	Dr Santhosh B S, Dr Swamy D R, Apoorva S, Krishna Prasad	29 th January 2021	Convener
12	Online one week Faculty Development Programme (FDP) on “ Image and Signal Processing ” was organized jointly with the Department of Electronics & Communication Engineering.	Dr Santhosh B S, Dr Sanjay Shekar	4 th to 8 th January 2021	Convener
13	“Awareness Program on “ Water Conservation and Jal Shakti Abhiyan ” Resource Person, Mr. Shyam Prasad, Founder and Director, M/s Clear water Dynamics Pvt. Ltd, Bangalore.	Dr Santhosh B S,	18 th October 2019,	Convener
14	International webinar on topic “ Smart and Sustainable Cities in India (Issues and Challenges) ” in association with Indian Concrete Institute (ICI), Bengaluru Centre	Dr Santhosh B S, Pramukh N and Basavaraj Akki	19 th September 2020	Convener
15	Awareness Program on “ Green India Clean India ”, on in association with Brahma Kumari Wing, Resource Person, Brahma Kumari Geetha	Dr Santhosh B S,	13 th September 2019	Convener
16	webinar on “ Writing a Research Article – Vital tips for beginners ” in association with Association of Consulting Civil Engineers (India) – Bangalore Centre	Dr Santhosh B S, Shashi Kumara S R, Abhishek R	19 th August 2020	Convener
17	International webinar series on topic “ Green campus and Green buildings ” in association with Association of Consulting Civil Engineers (I) (ACCE), Bengaluru centre and M/s Ramco Cements Limited	Dr Santhosh B S, Dr Swamy D R, Apoorva S, Krishna Prasad	25 th July 2020	Convener
18	International webinar on topic “ Hydraulic model studies in Coastal Engineering Development projects ” in association with Association of Consulting Civil Engineers (I) (ACCE), Bengaluru centre and M/s Ramco Cements Limited	Dr Santhosh B S, Harshitha M N	4 th July 2020	Convener

vi. **Conference Attended (those sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)**

Sl. No.	Name of the workshop / Conference	Organizer	Date
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1	5 days AICTE Sponsored Virtual DCP*Training Program on “SBC of Soils and Early Distress of Bridges”	SJC Institute of Technology, Chikballapur	21st September to 26th September 2021,
2	Two days international conference on “Tunnelling and Underground Construction”	Institute for research development and training of construction trades and Management (INSTRUCT), Bengaluru.	12 th and 13 th May 2022,
3	Advance Level course on “Concrete: Microstructure characterization”	Department of Civil Engineering, NITK Surathkal under Global Initiative of Academic Networks (GAIN), MHRD	18th June -22nd June 2018
4	Two weeks Faculty Development Programme on “Advanced Concepts for Developing MOOCS”	Teaching Learning Centre, Ramanujan College, University of Delhi	2nd July 2020- 17th July 2020
5	Faculty Development Programme on “Innovation in Civil Engineering and Concrete Technology”	Indian Concrete Institute and SRM Institute of Science and Technology	13th July to 17th July 2020

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Safety in Construction	NPTEL, IIT Delhi	February-April-2022	70%
2	AI for Everyone	Deeplearning.ai	June 15, 2020	96.25%
3	Machine Learning for All	University of London	May 22, 2020	100%

10. Membership of Professional Bodies:

1.	Life Membership of Association of Consulting Civil Engineers (ACCE(I)), Bengaluru Center
2.	Life Membership in Indian concrete Institute (ICI), Bengaluru Center
3.	Life Membership of RILEM

11. Any other information you will like to share about your professional experience.

- Hon. Co-Opted Member of the Executive Committee, Indian Concrete Institute (ICI), Bengaluru Center, for the term 2022-24,
- Hosted “State level Quiz competition” in association with Association of Consulting Civil Engineers as a part of Engineers Day celebration 2019-2020.
- Organizing committee member- Student Delegate Mobilization Committee for Redecon 2020, held on 27th and 28th February 2020, which is a flagship program of Association of Consulting Civil Engineers (I), Bangalore Centre.
- Organizing committee member- Student Delegate Mobilization Committee for Redecon 2022, scheduled on 18th and 19th November 2022, which is a flagship program of Association of Consulting Civil Engineers (I), Bangalore Centre.

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