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VISION AND MISSION OF THE INSTITUTE

VISION

To produce globally competitive engineers with high ethical values and social responsibilities.

MISSION

- *To impart highest quality state-of-the-art technical education by providing impetus to innovation, Research and Development and empowering students with Entrepreneurship skills.*
- *To instill ethical values, imbibe a sense of social responsibility and strive for societal wellbeing.*
- *To identify needs of society and offer sustainable solutions through outreach programs.*

VISION AND MISSION OF THE DEPARTMENT

VISION

To be a Center of Excellence in Civil Engineering Education through full-fledged learning experience along with research.

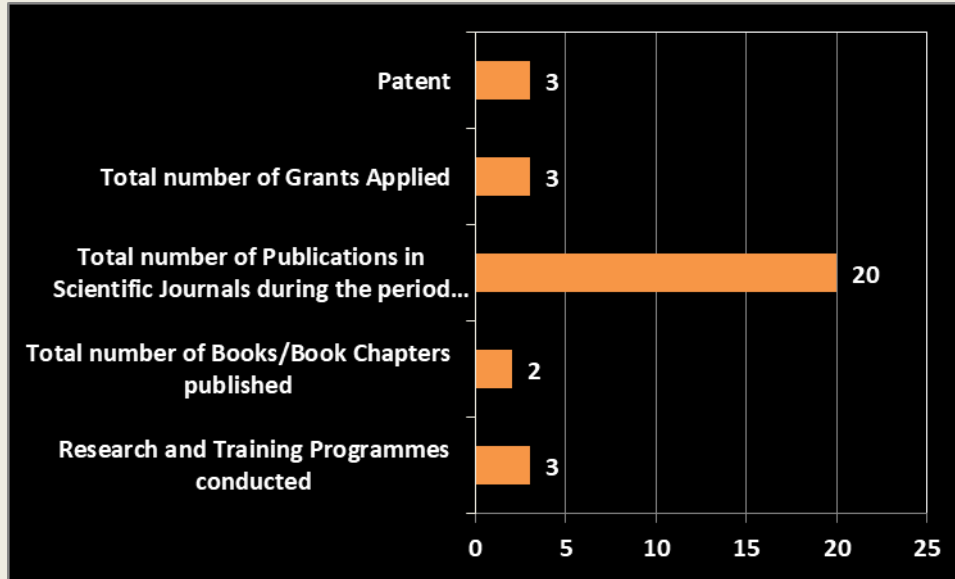
MISSION

To accomplish our vision, we are committed to

- *Provide high quality technical education for Undergraduate, Post Graduate and Doctoral Programmes in Civil Engineering.*
- *Create excellent infrastructural facility and state-of-the-art Laboratories.*
- *Encourage faculty and students to carry out socially relevant research through collaboration with industry.*
- *Inculcate ethics and ensure commitment to the society with leadership qualities.*

Research Output of Civil Engineering Department for the period: January - December 2021

Info-graph of Research Activities during January - December 2021



WoS / Scopus Indexed Journal Publications

S.No.	Name of the Author	Title of the Paper	Name of the Journal	Month and Year of publication	ISSN	Link to the notification in UGC enlistment of the Journal
1	D. Maruthachalam	A sustainable approach of characteristic strength of concrete using recycled fine aggregate	Materials Today: Proceedings	Feb-21	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785320386594
2	P. Saravanakumar	An experimental study on hybrid fiber reinforced concrete beams subjected to torsion	Materials Today: Proceedings	Feb-21	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785320407217
3	S. Ramakrishnan	Adobe blocks reinforced with natural fibres: A review	Materials Today: Proceedings	Feb-21	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785320389951
4	A. Jesudass	Earthen blocks with natural fibres-A review	Materials Today: Proceedings	Feb-21	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785321005253
5	S.C. Boobalan	A comprehensive review on strength	Materials Today:	Feb-21	2214-7853	https://www.sciencedirect.com/scien

		properties for making Alccofine based high performance concrete	Proceedings			ce/article/pii/S2214785321003679
6	S. Vaishnavi Devi	Utilization of recycled aggregate of construction and demolition waste as a sustainable material	Materials Today: Proceedings	Feb-21	2214-7853	https://www.sciencedirect.com/science/article/pii/S221478532039698X
7	V. Yogeshwaran	Removal of heavy metal ion concentrations from the wastewater using tobacco leaves coated with iron oxide nanoparticles	International Journal Of Environmental Science And Technology	Mar- 2021	1735-1472	https://link.springer.com/journal/13762/volumes-and-issues
8	V. Yogeshwaran	Adsorption of Lead ion concentration from the aqueous solution using tobacco leaves	Materials today : Proceedings	Mar-2021	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785320340475
9	S. Sadheesh	Adsorption of endosulfan from aqueous solution using graphene clay matrix (GCM)	Materials Today: Proceedings	Mar-21	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785321015868
10	R. Vighnesh	Use of parametric tools in material system selection to minimize building cooling load	Materials Today: Proceedings	Mar-21	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785320405474
11	V. Yogeshwaran	Experimental studies on the removal of heavy metal ion concentration using sugarcane bagasse in batch adsorption process	Desalination and Water Treatment	May-2021	19443986 , 19443994	https://www.deswater.com/vol.php?vol=224&oth=224%7C0%7CJune%20%7C2021
12	M.R. Ezhilkumar	Seasonal and vertical characteristics of particulate and elemental concentrations along diverse street canyons in South India	Environmental Science and Pollution Research, SpringerNature	Jul-21	9441344	https://link.springer.com/article/10.1007/s11356-021-15272-9
13	S. Ramakrishnan	Investigation on Retrofitting of Reinforced Concrete Beam with Glass Fiber and Banana Fiber Mat	Materials Research Proceedings	Aug-21	2474-3941	https://www.mrforum.com/product/9781644901618-19/

14	P.Saravanakumar	Mechanical properties of recycled aggregate concrete treated by variation in mixing approaches	Journal of Construction	Aug-21	7177925	http://revistadelaconstruccion.uc.cl/index.php/RDLC/article/view/15320
15	P.Saravanakumar	Properties of concrete having treated recycled coarse aggregate and slag	Journal of Construction	Aug-21	7177925	http://ojs.uc.cl/index.php/RDLC/article/view/15452
16	P.Saravanakumar	Enhancing the quality of recycled coarse aggregates by different treatment techniques—a review	Environmental Science and Pollution Research, SpringerNature	Sep-21	9441344	https://link.springer.com/article/10.1007/s11356-021-16428-3
17	R. Chandra Devi	GIS Based Spatial and Temporal Investigation of Groundwater and Soil Quality along Noyyal River, Tiruppur, India	Journal of the Geological Society of India	Sep-21	167622	https://link.springer.com/article/10.1007/s12594-021-1825-9
18	G. Preethi	Study on psychological performance of occupant in Indian buildings influenced by human comfort and indoor air quality	AIP Conference Proceedings	Oct-21	0094243 X	https://aip.scitation.org/doi/abs/10.1063/5.0072655
19	G. Preethi	Effect of indoor air quality on human health-A review	AIP Conference Proceedings	Oct-21	0094243 X	https://aip.scitation.org/doi/abs/10.1063/5.0072655
20	D. Maruthachalam	Experimental investigation on grades of cement in the nominal and design concrete mixes	Journal of Physics: Conference Series	Nov-21	1742-6596	https://iopscience.iop.org/article/10.1088/1742-6596/2070/1/012169/pdf

Books/Book Chapters

S.No.	Name of Faculty Member	Name of the Book	Name of the Publisher	Month of Publication	Year of Publication	ISBN No.
1	V. Yogeshwaran	Inorganic Materials for Energy, Medicine and Environmental Remediation	Springer International Publishing	September	2021	eBook ISBN: 978-3-030-79899-4
2	R. Vighnesh	Use of Parametric Software	Lecture notes	September	2021	

		for Selecting Building Materials Based on Embodied Energy	in Civil Engineering		
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Patents Publications

Sl. No.	Inventor/s Name	Title of the Patent	Patent Publication Number / Patent Granted Number	Patent Published Date / Granted Date (DD/MM/YYYY)	Status of Patent (Published / Granted)
1	D.Maruthachalam	The Influence of Different Treatments Applied to Flax Fibbers on different Properties of Mortar Reinforced by these Fibers	202141028760 A	09-07-2021	Published
2	S. C. Boobalan	An Artificial Intelligence based Water Management System ensuring Uniform Distribution and Monitoring Water Leakage	202141036904 A	20-08-2021	Published
3	S. Ramakrishnan & P.Saravanakumar	Resistive Imbibed Mesh Sensor Based Concrete Structure Strength Monitoring System Employing IOT	202141052457 A	10.12. 2021	Published

International / National Conference Participated / Presented

S.No.	Name of Faculty Member	Title of the Paper	Month	Year	Name of the Conference
1	Vighnesh R	Use of parametric tools in material system selection to minimize building cooling load	March	2021	2nd International Conference on Aspects of Materials Science and Engineering - 2021
2	S.Vaishnavi Devi	Activity - Based Parking Demand Management for Madurai City	March	2021	Sustainable Practices and Innovations in Civil Engineering
3	Boobalan S C	Comprehensive Review on Strength Properties for making Alccofine Based High Performance Concrete	March	2021	2nd International Conference on Aspects of Materials Science and Engineering - 2021
4	Sadheesh S	Adsorption of Endosulfan From Aqueous Solution Using Graphene Clay Matrix (GCM)	March	2021	2nd International Conference on Aspects of Materials Science and Engineering - 2021
5	M.R.Ezhilkumar	Ambient Air Quality during OCVID 19 Pandemic in Chennai - An Urban metro city of India	March	2021	International Conference On Chemical, Mechanical And Environmental Sciences (ICCMES)

6	Sadheesh S	Contaminated water treatment with Activated charcoal build from cocoa pod husk	March	2021	International Conference On Chemical, Mechanical And Environmental Sciences (ICCMES)
7	Saravanakumar P	Use of Fibre content in Hemp as a material in building construction	March	2021	International Conference On Chemical, Mechanical And Environmental Sciences (ICCMES)
8	Boobalan S C	A Comprehensive Study on Utilization of Waste Materials in Concrete	March	2021	International Conference On Chemical, Mechanical And Environmental Sciences (ICCMES)
9	S Ramakrishnan	A Study on the Water Quality Assessment of Bhavani River in Tamil Nadu	March	2021	International Conference On Chemical, Mechanical And Environmental Sciences (ICCMES)
10	M.R.Ezhilkumar	Ambient air quality during Covid 19 pandemic in Chennai – An urban metro city of India	March	2021	International Conference On Chemical, Mechanical And Environmental Sciences (ICCMES)
11	Vighnesh R	Use of parametric software for selecting building materials based on embodied energy	March	2021	International Conference On Chemical, Mechanical And Environmental Sciences (ICCMES)
12	Jesudass A.	Earthen blocks with synthetic fibres - A Review	March	2021	International Conference On Chemical, Mechanical And Environmental Sciences (ICCMES)
13	Preethi G and P. Saravanakumar	Review on indoor air quality in Indian buildings	March	2021	International Conference On Chemical, Mechanical And Environmental Sciences (ICCMES)
14	Preethi G	Experimental Investigation on Construction of Masonry wall with Crumb Rubber Concrete Blocks	March	2021	International Conference On Chemical, Mechanical And Environmental Sciences (ICCMES)
15	Preethi G	Effect of indoor air quality on human health-A review	March	2021	International Conference On Chemical, Mechanical And Environmental Sciences (ICCMES)
16	Preethi G	Study on psychological performance of occupant in Indian buildings influenced by human comfort and indoor air quality	March	2021	International Conference On Chemical, Mechanical And Environmental Sciences (ICCMES)
17	Saravanakumar P	Authenticated Voting Method Using Face and Fingerprint	June	2021	International Conference on Data Science and Information Ecosystem 2021
18	Jesudass A.	Experimental Investigation on Strength and durability aspects of Earthen Blocks reinforced with Jute Fibres	July	2021	Materials Research in Science and Engineering - KMRSE 21
19	Boobalan S C, Maruthachalam D	Experimental Investigation on Grades of Cement in the Nominal and Design Concrete	August	2021	International Conference on Advances in Physical Sciences and Materials (ICAPSM 2021)

		Mixes			
20	S.C.Boobalan	Investigational Study on the Influence of Lime and Coir Fibre in the Stabilization of Expansive Soils	November	2021	International Conference on Sustainable Materials and Practices for Built Environment (SMPBE 2021)
21	P. Saravanakumar	Online Teaching and Learning during Covid -19 Pandemic Situation - Special references from Chennai City	December	2021	International Conference on Machine Intelligence and Green Computing (ICMIGC'21)
22	S.C. Boobalan	Studies on Green Concrete - A Review	November	2021	International Conference on Advances in Construction Materials and Structures (ICCMS 2021)
23	S. Sadheesh	Monitoring and analyzing the effect of heavy metals in air based on ecological and health risks in Coimbatore	December	2021	National Conference on Sustainable Materials and Smart Practices (NCSMSP-2021)
24	S.C. Boobalan	Comprehensive Review on the Influence of Natural Materials in Soil Stabilization	December	2021	National Conference on Sustainable Materials and Smart Practices (NCSMSP-2021)
25	S Ramakrishnan	Comparative Study on the Behaviour of Fiber Reinforced Concrete	December	2021	National Conference on Sustainable Materials and Smart Practices (NCSMSP-2021)
26	S Ramakrishnan	Study on controlled low strength material using GGBS with Dredged Soil and M-Sand	December	2021	National Conference on Sustainable Materials and Smart Practices (NCSMSP-2021)
27	S Ramakrishnan	Experimental study on practice of cement treated subbase (CTSB) Layer in flexible Pavement of national highway in india	December	2021	National Conference on Sustainable Materials and Smart Practices (NCSMSP-2021)

Guest of Honour / Resource Person

S.No.	Name	Designation	Guest of Honour / Resource Person	Title of Event	Organized by	Start Date	End Date
1	Saravanakumar P	Associate Professor	Resource Person	Durability Enhanced High-Performance Concrete	SRM Institute of Science and Technology	7/23/2021	7/23/2021
2	Saravanakumar P	Associate Professor	Resource Person	National Level Webinar on Sustainable Future	St. Antony's College for Arts and Science for Women, Dindigul	7/28/2021	7/28/2021
3	Ramakrishnan S	Associate Professor	Session Chair Person	National Conference on Sustainable	Bannari Amman Institute of	12/17/2021	12/18/2021

				Materials and Smart Practices (NCSMSP'21)	TechnologySathyamangalam		
4	Ramakrishnan S	Associate Professor	Technical review committee member	Eighth National Conference on Recent Advancements in Geotechnical Engineering	Bannari Amman Institute of Technology, Sathyamangalam	3/26/2021	3/26/2021
5	Ramakrishnan S	Associate Professor	Technical review committee member	National Conference on Sustainable Materials and Smart Practices (NCSMSP-2021)	Bannari Amman Institute of Technology Sathyamangalam	12/17/2021	12/18/2021
6	Saravanakumar P	Associate Professor	Technical review committee member	National Conference on Sustainable Materials and Smart Practices (NCSMSP-2021)	Bannari Amman Institute of Technology Sathyamangalam	12/17/2021	12/18/2021

Honors, Awards & Recognition

- Dr. D. Maruthachalam and Dr. P. Saravanakumar received the Fellowship in Institution of Civil Engineers (FIE) from The Institution of Engineers (India).
- Dr. P. Saravanakumar elected as Institutional Ambassador, for Institute For Engineering Research and Publication, in the year 2020-2021

Faculty Research ID

<u>S.NO</u>	<u>FACULTY NAME</u>	<u>SCOPUS ID</u>	<u>SCOPUS LINK</u>	<u>Google Scholar Link</u>	<u>ORCID ID</u>
1	Dr.D.Maruthachalam	36806795300	https://www.scopus.com/authid/detail.uri?authorId=36806795300	https://scholar.google.com/citations?user=idV7NwsAAAJ&hl=en&oi=sra	http://orcid.org/0000-0002-7963-9784
2	Dr.P.SaravanaKumar	57195338524	https://www.scopus.com/authid/detail.uri?authorId=57195338524	https://scholar.google.com/citations?hl=en&user=54dt-XkAAAAJ	http://orcid.org/0000-0002-7963-9784
3	Dr. S. Ramakrishnan	55185685700	https://www.scopus.com/authid/detail.uri?authorId=55185685700	https://scholar.google.com/citations?user=v9nipPYAA	https://orcid.org/0000-0003-3601-2209

				AAJ&hl=en	
4	Dr. R. Chandra Devi	57188866899	https://www.scopus.com/authid/detail.uri?authorId=57188866899	https://scholar.google.co.in/citations?user=McJB30AAA&hl=en	https://orcid.org/0000-0002-8111-7838
5	Mr.S.C.Boobalan	57208909889	https://www.scopus.com/authid/detail.uri?authorId=57208909889	https://scholar.google.com/citations?user=RwDRD4IAAAA&hl=en	http://orcid.org/0000-0002-9446-8290
6	Mr.V.Yogeshwaran	57207691505	https://www.scopus.com/authid/detail.uri?authorId=57207691505	https://scholar.google.com/citations?user=kxDi4wYAAA&hl=en	https://orcid.org/0000-0002-7727-1314
7	Mr.M R Ezhil Kumar	57142552300	https://www.scopus.com/authid/detail.uri?authorId=57142552300	https://scholar.google.co.in/citations?user=dBduttqQAAAA&hl=en	0000-0001-8875-2124
8	Mr. A. Jesudass	57210206977	https://www.scopus.com/authid/detail.uri?authorId=57210206977	https://scholar.google.com/citations?user=04sOcikAAA&hl=en	https://orcid.org/0000-0002-7290-3140
9	Mr.R.Vighnesh	57210117095	https://www.scopus.com/authid/detail.uri?authorId=57210117095	https://scholar.google.com/citations?hl=en&user=Ba94TAcAAAA&hl=en	https://orcid.org/0000-0002-3730-7167
10	Ms.G.Preethi	57210210624	https://www.scopus.com/home.uri	https://scholar.google.com/citations?user=hSLRwiQAAA&hl=en&authuser=1	https://orcid.org/0000-0002-7167-4315
11	Mr.S.Sadheesh	57210825825	https://www.scopus.com/authid/detail.uri?authorId=57210825825	https://scholar.google.com/citations?hl=en&user=-wgfUEAAAA&hl=en	https://orcid.org/0000-0003-3495-7735
12	Mr. A. Ashwin Barath	57279041800	https://www.scopus.com/authid/detail.uri?authorId=57279041800	https://scholar.google.com/citations?hl=en&user=CtR7MDwAAAA&hl=en	https://orcid.org/0000-0003-0404-4556

Conference / Seminar / Workshop Organized

AICTE Quality Improvement Schemes – AQIS sponsored Two weeks Faculty Development Program on “Structural Assessment, Repair and Rehabilitation of Structures” organized by the Dr. P. Saravanakumar, Associate Professor, Department of Civil Engineering, held from 10th May to 22nd May and 24th May to 2nd June. Around 200 delegates registered for this program

from various colleges across the country. Eminent resource persons from various industries and academics shared their expertise with the delegates.

Program Schedule | Series 1 | (10th May to 22nd May 2021)

S.No.	Date	Session 1 09:30 am - 11:00 am	Session 2 11:15 am - 12:45 pm	Session 3 01.45 pm - 03:15 pm	Session 4 03:30 pm - 05.00 pm
1	10.May.2021	Rudimentary approaches for repair and rehabilitation	Diagnosis of Structural distress	Engineers Fallacies during Construction	Restoration and Maintenance of Heritage structures
	Monday	Dr. Sudhakar Chief Consultant, Dimensions Company, Coimbatore	Dr. J.Karthikeyan Associate. prof., NIT(Trichy)	Dr. M. Kaarthik Asst. Professor, CIT, Coimbatore	Dr Swathi Manohar Post doctoral fellow , IIT Madras
2	11.May.2021	Condition Assessment of Concrete Structures using NDT Techniques	Lightly loaded structures on expansive soil- Problems and remedial measures	Non Destructive Testing of Concrete - Rebound Hammer and USPV	Durability based design and testing of concrete structures
	Tuesday	Dr. C. Venkata Siva Rama Prasad Assoc. Prof., Vignana Bharathi Institute of Technology, Hyderabad	Dr.P.T.Ravichandran Professor, Dept of Civil Engg, SRM, Chennai.	Dr. Bibhuti Bhusan Das Associate Professor, NIT(Suratkal).	Dr Swathi Manohar Post Doctoral fellow , IIT Madras
3	12.May.2021	Crack detection and Failure prediction through image based artificial intelligence models	Rehabilitation of Concrete Structures	Corrosion Damaged Concrete Assessment and Repair	Geotechnical distress- Identification and Evaluation
	Wednesday	Dr Shanmuga sundram Assistant Professor (sr) , VIT-Chennai	Dr. J.Karthikeyan Asst. prof., NIT(Trichy).	Mr. Danesh Senior Manager in Technical Services, JSW Cement	Dr. Sujatha E Ramani Associate Professor, SASTRA Deemed University, Thanjavur
4	13.May.2021	Corrosion aspects of repair and rehabilitation of structures	Evaluation on Quality of concrete with NDT - Rebound hammer	Rehabilitation of Concrete Structures	Rehabilitation, Renovation and Preservation of Masonry structures
	Thursday	Dr. G. Vengatesan Asst. prof, UCE Anna University, Trichy	Dr. T. Palanisamy Asst. prof., NIT(Suratkal).	Mr. E. Danesh Senior Manager in Technical Services, JSW Cement	Mr. Ganesh Manager, Technical Services, Chettinad Cement
5	14.May.2021	Role of Sensors In structural Health monitoring	Types of Damages in Concrete and its associated Structural Failures	Rehabilitation of concrete structures	Strengthening of Beam Column joint by Basaltcrete Cement Composites
	Friday	Dr. J. Sudarsan Asst. prof., NICMAR, Pune.	Dr. C. Venkata Siva Rama Prasad Asso. Prof., Vignana Bharathi Institute of Technology Hyderabad,	Mr. Ganesh Manager, Technical Services, Chettinad Cement	Dr. T. PALANISAMY Asst. prof., NIT(Suratkal)..
6	15.May.2021	Quality control assurance	Building distress due to problematic soils - Case study	National Education Policy	Concrete distress- Cracking and it's control
	Saturday	A. Amala Joen Quality control and QA engineer, KER infra, Bangalore	Dr. G. Janardhanan Associate Professor, Head – Centre for International Affairs, NITTTR, Chennai.	Dr. Manpreet Singh Manna Former Director at AICTE, Ministry of Education Govt. of India, India	Dr. P. Dinakar Associate Professor, HoS, IIT BBS
7	17.May.2021	Corrosion aspects of repair and rehabilitation of structures	Geoenvironmental aspect of testing to avoid building failure	Structural assessment and retrofitting of seismic affected structure	Water Proofing for Superstructure
	Monday	Dr. G. Vengatesan Asst. prof., UCE Anna University, Trichy	Dr. G. Janardhanan Associate Professor, Head – Centre for International Affairs, NITTTR, Chennai.	Dr M P Muthuraj Assistant Professor, CIT , Coimbatore	Prof. Muhammad Salman Assistant Professor, IITB, Maharashtra

8	18.May.2021	Structural Strengthening	Types of cracks in concrete Structures	Geotechnical distress on structures	Concrete behaviour and evaluation - Review
	Tuesday	Dr. M. Rama Assistant professor (Sr. Gr), GCT, Coimbatore	Dr. P. Jagadesh Assistant Professor, CIT, Coimbatore	Dr. Anil Kumar Sharma Assistant Professor, NIT Patna	Dr. S Praveenkumar Assistant professor (Sr. Gr), PSG
9	19.May.2021	Current Concrete NDT practices in India and Case Studies	Pest control and repair works in existing building	Techniques for Ground Improvement and Strengthening of foundations.	Use of ETP sludge in brick masonry
	Wednesday	Dr K Balasubramanian (Former Scientist and Deputy Director of CSIR- SERC) Managing Director, Hitech Concrete Solutions Chennai Pvt. Ltd, Chennai	S. Karthikeyan District Manager, Dear homes pest solutions, Madurai branch	Dr .M. Muthukumar Associate Professor , School of Civil Engineering , VIT , Vellore	Dr.P.T.Ravichandran Professor, Dept of Civil Engg, SRM, Chennai.
10	20.May.2021	Assessment and rehabilitation of Geostuctures	Repair works in pest affected buildings	Repair and Rehabilitation of Structures - Case Studies	Corrosion Assessment and Repair
	Thursday	Dr B Soundara Professor, Bannari Amman Institute of Technology	S. Karthikeyan District manager, Dear homes pest solutions, Madurai branch	Mr. Jayant Kadam Structwel Designers and Consultants Pvt. Ltd. Navi Mumbai	Mr Aravindh K Quality Manager, Hitech Concrete Solutions Chennai Pvt. Ltd, Chennai
11	21.May.2021	Structural distress and its impact - An overview	Assessment of Steel structures subject to torsional loading	Sustainability at Construction sites – A myth or reality?	Geotechnical distress- Identification and Strength Improvement
	Friday	Er. S. Gowrisankar Lead Civil/Structural Engineer, Ergo Projekt Entel (P) Ltd., Dubai - UAE	Dr J Vijaya Vengadesh Kumar Assistant Professor, National Institute of Technology Karnataka, Surathkal,	Dr. Prakash Nanthagopalan Associate Professor, IIT Bombay	Dr Sreevalsa Kolathayar Assistant Professor , Civil Engineering , National Institute of Technology Karnataka , Surathkal
12	22.May.2021	Quality control assurance in repair works	Repair and rehabilitation of Structures- case studies	Diagnosis, Repair and rehabilitation of Structures	Hydration and Microstructure Properties of Nanosilica Admixed Sustainable Cementitious Mortar
	Saturday	A. Amla Joen Quality control and QA engineer, KER infra, Bangalore	Dr. P. Jagadesh Assistant Professor, CIT, Coimbatore	Dr. Anil Kumar Sharma Assistant Professor, NIT Patna	Dr. Bibhuti Bhusan Das Associate Professor, NITK

Programme Schedule | Series 2 | (24th May to 05th June 2021)

S.No.	Date	Session 1 09:30 am - 11:00 am	Session 2 11:15 am - 12:45 pm	Session 3 01.45 pm - 03:15 pm	Session 4 03:30 pm - 05.00 pm
1	24.May.2021	An Overview to Repair and Rehabilitation of structures	Assessment and retrofitting of steel Bridges	Diagnosis of Distress in RCC and Masonry Structures	Restoration and Maintenance of Heritage structures
	Monday	Dr.P.D. Arumairaj Principal Consultant , Alzum Geocivil Integrated Services	Dr Hemant Kumar Vinayak Associate Professor, NITTTR, Chandigarh	Poonam I Modi Assistant Professor, LD College of Engineering, Ahmedabad, Gujarat	Dr Swathi Manohar Post Doctoral Fellow IIT - Madras
2	25.May.2021	Current Concrete NDT practices in India and Case Studies	Pest control and repair works in existing structures	Assessment of Concrete Structures using current NDT techniques in construction industry	Durability based design and testing of concrete structures
	Tuesday	Dr K Balasubramanian Managing Director, Hitech Concrete Solutions Chennai Pvt. Ltd, Chennai	Er. S. Karthikeyan District Manager, Dear homes pest control solutions, Madurai branch	Dr. C. Venkata Siva Rama Prasad Associate Professor, Vignana Bharathi Institute of Technology Hyderabad	Dr Swathi Manohar Post Doctoral Fellow IIT- Madras
3	26.May.2021	Damages and	NDT testing	Assessment of Steel	A Systematic Framework

	Wednesday	Retrofitting of Structures in Earthquake Prone Region		structures subject to torsional loading	for Pretreatment of Sugarcane Bagasse Ash and its Utilization in Cement Based Products
		Dr. Kranti Jain Assistant Professor, NIT Uttarakhand	Dr. J. Leon Raj Scientist, Engineering sciences and technology division, CSIR - North East Institute of Science and Technology, Assam	Dr J Vijaya Vengadesh Kumar Assistant Professor, National Institute of Technology Karnataka, Surathkal,	Dr. Prakash Nanthagopalan Associate Professor, IIT Bombay
4	27.May.2021	Repair Techniques for Cracks in Concrete Structures - Case Studies	NDT testing	Structural assessment and retrofitting of seismic affected structure	Crack detection and Failure prediction through image based artificial intelligence models
	Thursday	Dr. C. Venkata Siva Rama Prasad Associate Professor, Vignana Bharathi Institute of Technology Hyderabad, Telangana,	Dr. J. Leon Raj Scientist, CSIR - North East Institute of Science and Technology, Assam	Dr M P Muthuraj Assistant Professor, CIT , Coimbatore	Dr Shanmuga sundram Assistant Professor (sr) , VIT-Chennai
5	28.May.2021	Repair works in structures affected by sewage water	Structural distress and its impact - An overview	Geotechnical distress- Identification and Evaluation	Corrosion Assessment and Repair
	Friday	Er. K. Senthurapandi Assistant Engineer, Sewage and Treatment plant division, EVERSENDAL, Chennai	Er. S. Gowrisankar Lead Civil/Structural Engineer, Energo Projekt Entel (P) Ltd., Dubai - UAE	Dr. Sujatha E Ramani Associate Professor, SASTRA Deemed University, Thanjavur	Mr Aravindh K Quality Manager, Hitech Concrete Solutions Chennai Pvt. Ltd, Chennai
6	29.May.2021	NDT Evaluation and Seismic resistant structures	Building distress due to problematic soils - Case study	Techniques for repair and protection methods	Concrete behaviour and evaluation - Review
	Saturday	Dr. J. Thivya Assistant professor, University college of engineering, Dindigul	Dr. G. Janardhanan Associate Professor Head - Centre for International Affairs NITTTR, Chennai.	Dr. J. Vijayaraghavan Associate Professor, University college of engineering, Ramnad	Dr. S Praveenkumar Assistant professor (Sr. Gr), PSG CT, Coimbatore
7	31.May.2021	Evaluation on Quality of concrete with NDT - Rebound hammer	Geoenvironmental aspect of testing to avoid building failure	Assessment and rehabilitation of Geostructures	Ground Improvement - An overview
	Monday	Dr. T. Palanisamy Asst. prof., NIT(Suratkal).	Dr. G. Janardhanan Associate Professor, Head - Centre for International Affairs, NITTTR, Chennai.	Dr B Soundara Professor, Bannari Amman Institute of Technology	Dr.P.T.Ravichandran Professor, Dept of Civil Engg, SRM, Chennai.
8	01.June.2021	"Failure Diagnosis of RCC Structures using NDT"	Rehabilitation of concrete bridges and case studies	Non-Destructive Testing for Repair and Rehabilitation of Structures	Understanding the Basics of Seismic Retrofitting with a case study of RC Building
	Tuesday	Dr.N.Ganesan Professor, NIT Calicut	Anil Kumar Sharma Assistant Professor NIT Patna	Dr.Govardhan Bhat Assistant Professor,NIT Raipur	Dr. Ratneshkumar Associate Professor, Visvesraiya National Institute of Technology. Nagpur
9	02.June.2021	Water technologies purification using Bio-materials from lab-scale to pilot scale	Rudimentary approaches for repair and rehabilitation	Base Isolation Techniques for Structures	Structures on expansive soil - Remedial measures
	Wednesday	Dr Selvaraju Narayanasamy Assistant Professor, Department of Biosciences and Bioengineering (BSBE),IIT, Guwahati	Dr. Sudhakar Chief Consultant, Dimensions Company, Coimbatore	Dr.Govardhan Bhat Assistant Professor, NIT Raipur	Dr.P.T.Ravichandran Professor, Dept of Civil Engg, SRM, Chennai.
10	03.June.2021	Structural Condition Assessment and Evaluation for a Sustainable Infrastructure	Structural Health Assessment and Rehabilitation Techniques for RC structures	Conceptual design of earthquake resistant buildings and safety measures	Strengthening of masonry structures using FRP composites"
	Thursday	Dr. P. Rathish Kumar	Dr. M. Ashok	Dr. Shilpa Pal	Dr.G.S.Pavan Kumar

		Professor, NIT Warangal	Scientist, CSIR - CECRI, Karaikudi	Associate Professor, Delhi Technological University, Delhi	Assistant Professor, NIT Surathkal
11	04.June.2021	Rehabilitation of concrete structures - Case studies	Condition Assessment & Repair strategy of degraded Antenna Structure	Pavement geotechnics, risk and reliability analysis of pavements	Repair and rehabilitation of Structures- case studies
	Friday	Dr. K. M. Mini Chairperson, Civil Engineering, Amrita University	Dr Murugan Muthu R & D Manager L & T ECC , Chennai	Dr. Pranav R T Peddinti Department of Civil Engineering Pandit Deendayal Petroleum University Gandhinagar	Dr. P. Jagadesh Assistant Professor, CIT, Coimbatore
12	05.June.2021	National Education Policy 2020	Sustainable Stabilization Techniques for the Mitigation of Distresses Caused by Problematic Soils	Damage Assessment, repair and Rehabilitation of Structures - An overview	Concrete distress-Cracking and it's control
	Saturday	Dr.Meenakshi Sood Associate Professor, NITTTR, Chandigarh	Anil Kumar Sharma Assistant Professor NIT Patna	Dr. K. Gunasekaran Professor, Dept of Civil Engg, SRM, Chennai.	Dr. P. Dinakar Associate Professor, HoS, IIT BBS

- A Guest Lecture on “Awareness Program on Safety Guidelines in Construction Site” by Mr. Jamal, Safety Trainer and Consultant, Mastro Lee Engineering and Management Ltd., was organized on 23. 11. 2021 for the benefit of Civil engineering students.
- The hands-on training was given to Civil engineering faculties and students of SKCET on conduction of Geo-physical field MASW test on 01.11.2021. The staff members and students were involved along with Dr. S.S. Chandrasekaran, Professor, , Department of structural and Geotechnical Engineering, School of Civil Engineering, Vellore Institute of Technology, Vellore and three research scholars in ISRO funded research project “Urban Seismic Risk Assessment of Coimbatore City”.

SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY
Kuniamuthur, Coimbatore
(An Autonomous Institution | NAAC Accredited)

Department of Civil Engineering
(Accredited by NBA)

Cordially Invites you to
the Inauguration of

AICTE Sponsored
Two week Online Faculty Development Program on
Structural Assessment, Repair and Rehabilitation of Structures

Series 1: 10.05.2021 to 22.05.2021

Dr. A. Sudhakar
Chief Consultant, DIMENSIONS Structural Design
Coimbatore, Tamilnadu
Has consented to be the Chief guest and Inaugurate the FDP

Dr. J. Janet
Principal
Sri Krishna College of Engineering and Technology, Coimbatore
Will Preside over the function

Date: 10.05.2021 Time: 9.15 am
Google meet link
<https://meet.google.com/zev-qfst-btt>

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the Inauguration of

AICTE Sponsored
Two week Online Faculty Development Program on
Structural Assessment, Repair and Rehabilitation of Structures

Series 2: 24.05.2021 to 05.06.2021

Dr.P.D. Arumairaj
Principal Consultant, Alzum Geocivil Integrated Services
Coimbatore, Tamilnadu
Has consented to be the Chief guest and Inaugurate the FDP

Dr. J. Janet
Principal
Sri Krishna College of Engineering and Technology, Coimbatore
Will Preside over the function

Date: 24.05.2021 Time: 9.15 am
Google meet link



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Series 1: 10.05.2021 to 22.05.2021

Cordially Invites you to the Expert Talk
on
NATIONAL EDUCATION POLICY 2020
By



Dr. Manpreet Singh Manna
Former Director, AICTE,
Ministry of Education,
Govt. of India, India

Date: 15.05.2021 Time: 1.45 pm
Google meet link
<https://meet.google.com/fmc-rezt-ocb>



SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY
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Two week Online Faculty Development Program on
Structural Assessment, Repair and Rehabilitation of Structures

Series 2: 24.05.2021 to 05.06.2021

Cordially Invites you to the Expert Talk
on
NATIONAL EDUCATION POLICY 2020
By



Dr. Meenakshi Sood
Associate Professor,
National Institute of Technical
Teachers Training & Research,
(Ministry of Education, Govt. of India)
Chandigarh

Date: 05.06.2021 Time: 9.30 am
Google meet link
<https://meet.google.com/qau-xtpb-uyz>



STTP/ FDP / Workshop Participated

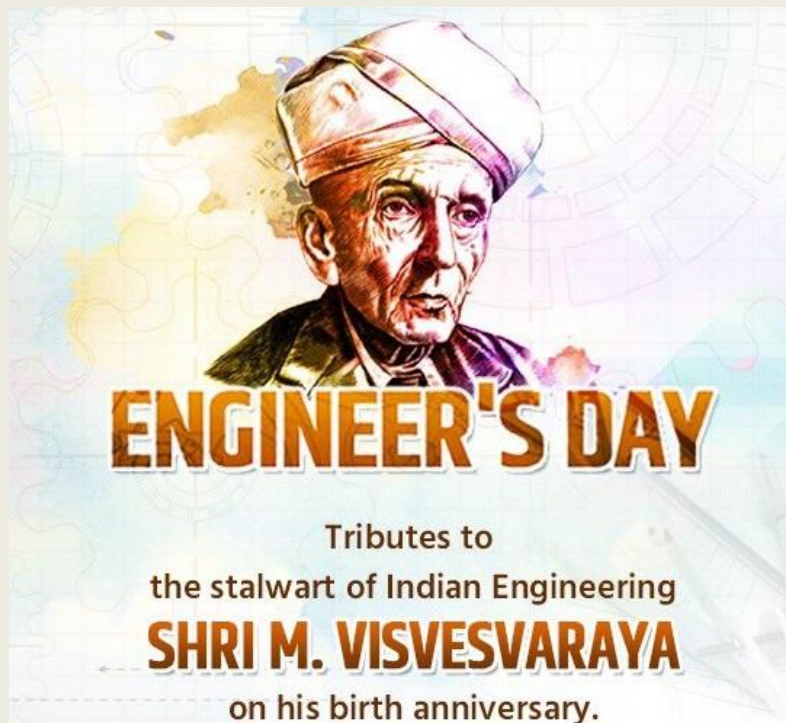
S. No.	Name	Designation	Title of Event	Organized by	Start Date	End Date
Short Term Training Program						
1	Ramakrishnan S	Associate Professor	Earthquake Resistant Structural Systems and Design for Building and Structures	Sri Venkateswara College of Engineering (ATAL Academy)	06/07/2021	06/11/2021
2	Ramakrishnan S	Associate Professor	Digital Transformation in Architectural Engineering and Construction Sector	Indian Institute of Technology Palakkad (ATAL Academy)	7/19/2021	7/23/2021
3	Ramakrishnan S	Associate Professor	Thrust Areas of Research in Civil Engineering	Dr.N.G.P. IT, Coimbatore	5/31/2021	06/04/2021
4	Boobalan SC	Assistant	Revit Architecture	Dr.N.G.P. IT,	4/26/2021	5/1/2021

		Professor	and Design	Coimbatore	021	21
5	Boobalan SC	Assistant Professor	Field Practices in Geotechnical Engineering	SRM Institute of Science and Technology, Kattankulathur	6/14/2021	6/18/2021
6	Boobalan SC	Assistant Professor	Disaster Management and Risk Reduction - A Geospatial Approach	Dr. Ashok Gujar Technical Institute's Dr. Daulatrao Aher College of Engineering, Karad	6/16/2021	6/21/2021
Faculty Development program						
7	Saravanakumar P	Associate Professor	NITTTR - Mentor Certification - Online orientation Training Programme for Mentors	NITTTR	6/14/2021	6/18/2021
8	Maruthachalam D	Professor and Head	NITTTR - Mentor Certification - Online orientation Training Programme for Mentors	NITTTR	6/14/2021	6/18/2021
9	Ezhil Kumar M R	Assistant Professor	Modelling of Water Resources Systems	Central University of Jharkhand (ATAL Academy)	11/01/2021	11/05/2021
10	Ramakrishnan S	Associate Professor	Strategic Civil Infrastructure	ATAL - AICTE, Kolhapur Institute Of Technology's College Of Engineering, Kolhapur.	10/25/2021	10/29/2021
11	Aswin Bharath A	Assistant Professor	Emerging transportation technologies for sustainable smart cities	TCE Madurai	11/24/2021	11/26/2021
12	Chandra Devi R	Associate Professor	Inculcating Universal Human Values in Technical Education	All India Council for Technical Education	10/25/2021	10/29/2021
13	Boobalan SC	Assistant Professor	Modern House Design in Revit Architecture	ICT Academy	4/5/2021	4/9/2021
14	Boobalan SC	Assistant Professor	Smart Cities - Infrastructure & Sustainability	AICTE Training and Learning (ATAL Academy)	5/24/2021	5/28/2021
15	Boobalan SC	Assistant Professor	Top Strategies for Effective Classroom	Patrician College of Arts and Science, Chennai	6/24/2021	6/24/2021
16	Sadheesh S	Assistant Professor	Waste valorization towards a sustainable Environment	AICTE Training and Learning (ATAL Academy)	6/14/2021	6/18/2021

Workshop						
17	Saravanakumar P	Associate Professor	Online training programme on "Earthquake Risk Mitigation and Management in Urban Areas"	National Institute of Disaster Management (Ministry of Home Affairs, GoI) New Delhi	8/23/2021	8/23/2021
18	Boobalan SC	Assistant Professor	AutoCAD - 2D	ACADD Centre	20.05.2021	20.05.2021
19	Boobalan SC	Assistant Professor	Digital Estimation Concept and Solutions using RIB Itwo Costx	Infinity PMC Solutions Pvt. Ltd.	22.05.2021	22.05.2021
20	Boobalan SC	Assistant Professor	AICTE Examination Reforms Workshop	AICTE & KLE Technological University, Karnataka	28.06.2021	30.06.2021

Engineers Day Celebration

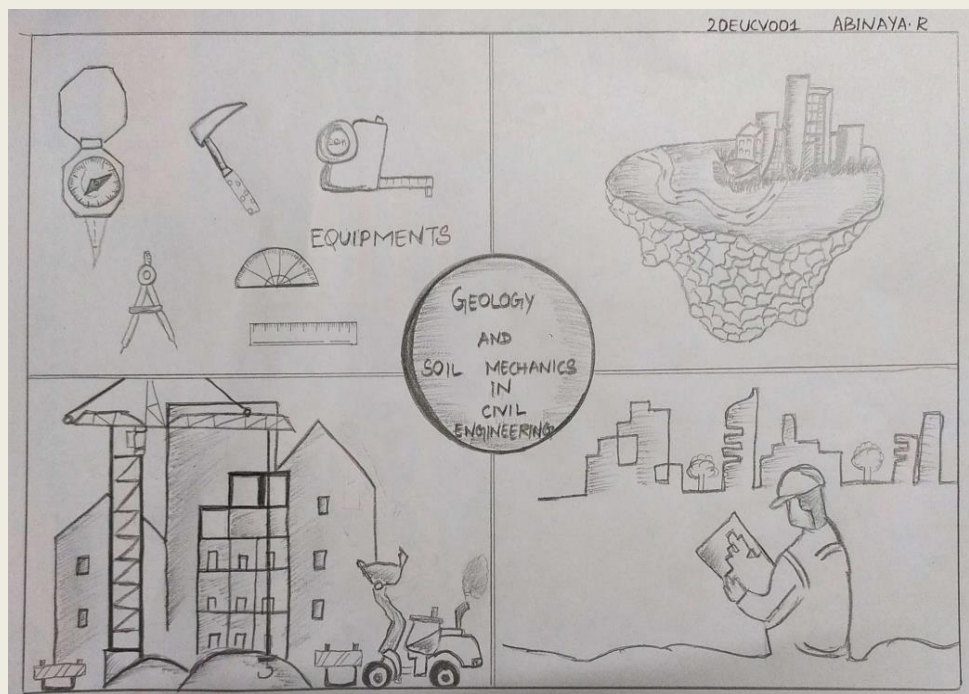
India celebrates Engineer's Day to commemorate the birth anniversary of the greatest Indian Engineer, Mokshagundam Visvesvaraya, on September 15 every year. The Student chapters, Clubs, and Association of Department of Civil Engineering organized various events and competitions to students to celebrate the Engineers day. The following events were conducted to the students and they were actively participated and won prizes and certificates in the events.



- Free hand Sketch on Geotechnical Problems
- Technical Quiz for Civil Engineering Students
- Thematic presentation on Land slides, Geo aspects of Pisa Tower
- CADATHON'21 – Drawing Competition
- Poster presentation



T.GOPIKA, III Year Civil Engineering.





Research Proposals Submitted / Approved

- Dr. P.Saravanakumar and Dr. D. Maruthachalam, submitted a proposal on “*Development of Low Cost Sustainable Concrete Blocks*” to DST-WMT
- Dr. D. Maruthachalam and Mr. S. C. Boobalan submitted a proposal on “*Modernization of Soil Mechaincs Laboratory as Digital Rural Soil Testing Centre*” to AICTE - AQIS – MODROBS.

MOOC Certification courses

S. No.	Name	Designation	Course	Title of Course	Organized by	Start Date	End Date
1	Aswin Bharath A	Assistant Professor	NPTEL Course	Organizational Behaviour	IIT Hyderabad	7/27/2021	10/23/2021
2	Aswin Bharath A	Assistant Professor	MOOC Course	Civil Engineering Fundamentals	Skill Lync	7/18/2021	11/25/2021

Students Research Outcome

Civil Engineering students were participated and won prizes in various research competitions held in various Universities and Colleges all over the India. Some of the notable achievements are listed below

- Mr. Aadhis, Mr. Aruneswaran, Ms. Koushika, (IV Year) Civil Engineering students has won the National competition for students (2020) for the best innovative use of steel in architecture Theme: : Architectural designing of a 200 bedded hospital to be constructed in 100 days for corona related patients anywhere in India, conducted by INSDAG, Ministry of Steel, Government of India. Mr. S. C. Boobalan and Mr. R. Vighnesh, Assistant Professors, Department of Civil Engineering, guided the students.
- Ten of our Civil Engineering students and Mechanical engineering students received a grant of Rs. 2 Lakhs for Study Tour of Atal Tunnel under AICTE Youth Undertaking Visit for Aquiring Knowledge (Yuvak) scheme.
- Ms. Oviya (III Year), Ms. Abinaya, Ms. Arunthathi and Ms. Divya (IV Year) Civil Engineering students has been selected for final round in National competition for students (2021) for the best innovative use of steel in architecture Theme: : Architectural designing of an international level school at Gurgaon, conducted by INSDAG, Ministry of Steel, Government of India. Mr. S. C. Boobalan and Mr. R. Vighnesh, Assistant Professors, Department of Civil Engineering, guided the students.
- Mr Dinesh Kumar S, Mr. Gokul Das M. , Ms. Dhanabarathi M., Ms. Margaret Jennifer A., (IV Year) Civil Engineering students has been participated in National competition for students (2021) for the best innovative use of steel in architecture Theme: : Architectural designing of an international level school at Gurgaon, conducted by INSDAG, Ministry of Steel, Government of India. Dr. S. Ramakrishnan and Mr. A. Jesudass, Assistant Professors, Department of Civil Engineering, guided the students.

Consultancy Works

The Department is actively engaged in undertaking Consultancy works in the areas of Construction materials testing, Water quality testing, Soil testing Surveying and Design works.

Apart from above consultancy activities the department also rendered consultancy in social related activities

Research Supervisor

- **Dr.D.Maruthachalam** – Anna University
- **Dr.P.Saravanakumar** – Anna University

Faculty Pursuing Ph.D.

The faculty of Civil Department is actively engaged in research activities in various domains like Structural Engineering, Environmental Engineering, Construction materials, Infrastructure Engineering etc. The following faculties from Civil Engineering Department are pursuing their Ph.D. program

- Mr. V.Yogeshwaran
- Mr. Ezhil Kumar
- Mr. A. Jesudass
- Mr. R. Vighnesh
- Mr. S. C. Boobalan
- Mr. S. Sadheesh
- Ms. G. Preethi
- Mr. A. Aswin Bharath

Professional Body Members

The Civil Engineering Faculty were enrolled in various Professional bodies and actively participated in various activities conducted by them.

Sl. No.	Name of the Faculty	Membership in Professional Bodies	Membership ID
1	Dr. D. Maruthachalam	Institution of Engineers	FIE
		Indian Society for Technical Education	MISTE
		Association of Consulting Civil Engineers (I)	MACCE(I)
		Indian Concrete Institute	MICI
2	Dr. P. Saravanakumar	Institution of Engineers	FIE - F-1283223

		International Association of Engineers	IAENG 195473
		National Information Centre of Earthquake Engineering	18SY240
		Institute for Engineering Research and Publication	PMIN06895273
		Asia Society of Researchers	R219013006
		IEEE Member	97918558
3	Dr. S. Ramakrishnan	Indian Society for Technical Education	LM71293
		Indian Geotechnical Society	CBELM138
		IEEE Member	97925600
		Engineering Council of India	PE/000020/17
		Institute of Scholars (senior member)	InSc20211F5F
4	Dr. R. Chandra Devi	Indian Society for Technical Education	LM 50385
5	Mr. S.C. Boobalan	American Concrete Institute	ACI1734561
		International Association of Engineers	IAENG 190389
		International Society of Research and Development	M4150906300
		Institute of Research Engineers and Doctor - Associate Member	AM20211014581
		National Information Centre of Earthquake Engineering	18SY249
		Asia Society of Researchers	R219003011
		Scientific and Technical Research Association (STRA)	STRA-M19568
		InSc Professional Membership	InSc2020FA7C
		American Society of Civil Engineers (ASCE) - Society Student Membership	12289207
		Institute for Engineering Research and Publication	PMIN7319512
		International Association for Life-Cycle Civil Engineering	IALCCE
6	Mr. M.R. Ezhil Kumar	International Association of Engineers	IAENG 131185
		National Information Centre of Earthquake Engineering.	NICEE 14SY1024
		Associate of the International Safety Quality Environment Management Association	AIQEM – 15M28324
		Asia-Pacific Chemical, Biological &	APCBEEES –

		Environmental Engineering Society	202214
		Institute for Engineering Research and Publication	PMIN36714085
		Proud UN Volunteer Online and Offline	1836558
		Asia Society of Researchers	R219093000
		International Association for Life-Cycle Civil Engineering	IALCCE: IM_687
		Institute of Research Engineers and Doctor	AM2020092357
7	Mr. A. Jesudass	American Concrete Institute	ACI
		International Association of Engineers	
		International Society of Research and Development	
8	Mr. R. Vighnesh	American Concrete Institute	ACI
		Asia Society of Researchers	R219092988
		The Institution of Engineers	AM160107
		Institute of Research Engineers and Doctors	AM101000583388
		International Association of Engineers	227733
		InSc Professional Membership	InSc2021062E
		National Information Centre of Earthquake Engineering	18SY245
9	Ms. G. Preethi	International Association of Engineers	
		International Research for Doctors and Engineers	
		International Society of Research and Development	
		Institute of Research Engineers and Doctors	
		National Information Centre of Earthquake Engineering	
		Institute for Engineering Research and Publication	
10	Mr. V. Yogeshwaran	American Concrete Institute	
		Associate member in the Institution of Engineers India ltd	
		International Society of Research and Development	
		International Association of Engineers	

		Institute of Research Engineers and Doctors	
		Institute for Engineering Research and Publication	
11	Mr. S. Sadheesh	American Concrete Institute	ACI
		International Association of Engineers	IAENG 215472
		International Society of Research and Development	M4150906089
		Institute of Research Engineers and Doctors	AM101000583159
		Asia society of Researchers	R219013006
12	Mr. A. Aswin Bharath	InSc Professional Membership	InSc20214E27

Editors /Reviewers to Journals

Dr. D. Maruthachalam

- Journal of Earth and Environmental Sciences
- Case Studies in Construction Materials
- International Journal of Civil Engineering

Dr. P. Saravanakumar

- Construction & Building Materials
- Case Studies in Construction Materials
- Materials and Design
- Heliyon – Elsevier Journal
- Iranian Journal of Civil Engineering
- ACI Structural and Materials Journals
- Computers and Concrete, An International Journal – Techno-Press
- Resources, Conservation & Recycling
- Open Access Library Journal
- International Journal of Concrete Structures
- International Journal of Civil Engineering

Dr. S. Ramakrishnan

- International Journal of Engineering

Dr. R. Chandra Devi

- Water Science and Technology
 - Desalination and Water Treatment
 - Environmental Progress and Sustainable Energy
-

About SKCET @RACE

SKCET @RACE is a Sri Krishna College of Engineering and Technology, Civil Engineering Department Research Bulletin which emphasizes the various research activities and achievements happened in Civil Engineering Department in the preceding year. The faculty and students of Civil Engineering were actively involved in various research activities in various disciplines of Civil Engineering.

The Civil Engineering Department has well equipped laboratories with latest machines and instruments for all disciplines to support the curriculum syllabi and promote research and consultancy. The faculty members are engaged in various research and consultancy activities.

The research in the department was highly focused on the current problems like utilization of waste materials, solution for traffic congestion, controlling / reducing pollution, optimizing water usage, Soil stabilization etc. Civil Engineering Department is aiming to partnering with multidisciplinary researchers and industry in the development, demonstration, evaluation, and deployment of new technologies and analysis tools in Civil Engineering.

**EDITORIAL BOARD****Dr. D. Maruthachalam**, Prof. & HoD**Dr. P. Saravanakumar** , Assoc. Prof.,*Department of Civil Engineering, SKCET*

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