

CIVILIANS REPORT

***Academic year
2023 to 2024***

Convenor

Dr.M.S.Haji Sheik Mohammed

Dean

School of Infrastructure

Student Coordinators

Mr.Safeer Jasim

Mr.Udaya prakash

B.Tech. (2020-2024)

Staff Coordinator

Dr.Nisha Khanam

Assistant Professor (Sel.Gr)

Annual Report for the Academic Year 2023-24

(July 2023 – June 2024)

Name of the Department / School: SCHOOL OF INFRASTRUCTURE

1. New Programmes Started

S.No	Name of the Programme	Month & Year of Introduction	Details of Approval			
			Board of Studies	Academic Council	BOM	AICTE/UGC/BCI/PCI/COA
NIL						

2. Value Added Programmes Offered

S. No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	No. of Participants		
					Students	Faculty	Others
1	Q-CAD (B.Tech)	Jan- April 2024	30	IIT-BOMBAY SPOKEN TUTORIAL	57	-	-
2	Q-GIS (B.Tech)	Jan- April 2024	30		6	-	-
3	InkScape (B.Tech)	Jan- April 2024	30		40	-	-
4	LaTex (M.Tech – CEPM)	Jan- April 2024	30		5	-	-
5	LaTex (M.Tech – STR)	Jan- April 2024	30		7	-	-

3. Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Course fee & details of Collaborating Agency	No.of Participants		
					Students	Faculty	Others
1.	Third 2-day Workshop on Electrochemical Corrosion Techniques – Theory and Hands on Training	08.03.2024 and 09.03.2024.	2 days	Students/Research Scholars – Rs.750/- Faculty – Rs.1500/- Industry person – Rs.2500/- AMPP India section (SZ)	37	2	-

4. Interdisciplinary Programmes Conducted

S.No	Name of Programme	Other departments involved	No. of Participants		Outcome of the Programme
			Students	Faculty	
1	Third 2-day Workshop on Electrochemical Corrosion Techniques – Theory and Hands on Training	Chemistry	37	2	Imparted knowledge on the use of advanced electrochemical instruments and techniques for proper interpretation of data for use in corrosion prediction, prevention, and monitoring.
2	Disaster Preparedness	<ul style="list-style-type: none"> • Computer Science & Engineering • Electronics & Communication Engineering • Mechanical Engineering • Biotechnology 	300	4	Created awareness to the students on actions at the time of disaster. Live Demo about the actions during the fire accident.

5. Details of Minor Degree Programmes offered

S.No.	Name of Programme	Details of Students		
		Department	Name of student	RRN
NIL				



6. Details of Field visits/Industrial visits organized by the department

S. No	Participant Details				Name of faculty involved	Industry Visited	Date / Duration
	Programme	Sem .	Sec.	No. of Students			
1.	B.Tech. & M.Tech.	V & I	A	50	Dr.N.S.Shafeer Ahamed & Mr.A.Sheik Farid	CSIR – Structural Engineering Research Centre,Taramani, Chennai	26.09.2023
Outcome of the Visit: The students were exposed to technologies, products and state of-the-art facilities in Structural Engineering and allied areas.							
2.	B.Tech.	III	A	40	Dr.Y.Ibrahim	Nesappakkam Sewage Treatment Plant at Nesapakkam, Chennai	06.11.2023
Outcome of the Visit: The students were exposed to various components of sewage treatment plant and treatment process. They also acquired knowledge about the significance of sewage treatment and ill-effects of unauthorized faecal sludge and septage.							
3.	B.Tech.	III	A	40	Dr.Y.Ibrahim	Koyembedu Sewage Treatment Plant at Koyembedu, Chennai	07.11.2023
Outcome of the Visit: The students were exposed to various components of sewage treatment plant and treatment process. They also acquired knowledge about the significance of sewage treatment and generation of electricity from the same.							
4.	B.Tech.	III	A	40	Dr.Y.Ibrahim	Kilpauk Water Treatment plant at Kilpauk, Chennai	07.11.2023
Outcome of the Visit: The students understood the various phases of water treatment such as sedimentation, biological and chemical oxidation process etc.							
5.	B.Tech.	III	A	40	Dr.Y.Ibrahim	Nemmeli Desalination Plant at Nemmeli, Chennai	06.11.2023 & 08.11.2023
Outcome of the Visit: The students understood the process technology of desalination including marine sea water intake system, pre-treatment system consisting of disc filters, and Ultra Filtration (UF).							
6.	B.Tech.	III	A	40	Dr.Y.Ibrahim	Puzhal Water Treatment Plant at Puzhal, Chennai	08.11.2023
Outcome of the Visit: The students acquired knowledge about the water treatment process viz., screening and aeration, coagulation and flocculation, sedimentation, filtration, disinfection, and pH correction.							
7.	M.Tech. (STR)	I	A	9	Dr.A.K.Kaliluthin	RMC Concrete, SenneerKuppam Poonamallee, Chennai	08.11.2023
Outcome of the Visit: The students exposed to various components of RMC plant and also experienced a live production of RMC.							

8.	M.Tech. (STR)	I	A	14	Dr.P.Vasanthi	Schwing Stetter India Private Limited, Cheyyar.	16.11.2023
Outcome of the Visit: The students had an exposure about the manufacturing of construction equipment's.							
9.	B.Tech. 2 nd year & M.Tech. (CEPM)	III & I	A	50	Dr.K.Yogeswari	Auroville& Building Centre,Pondicherry	15.02.2024
Outcome of the Visit: The students gained knowledge about the use of sustainable and eco-friendly materials for construction.							



Visit of B.Tech. II year students to i)Nesappakkam Sewage Treatment Plant, ii) Koyembedu Sewage Treatment Plant, iii) Kilpauk Water Treatment Plant, iv) Puzhal Water Treatment Plant and v) Nemmeli Desalination Plant during 06.11.2023 to 08.11.2023



Students of I year M.Tech. (Structural Engineering)&M.Tech. (Construction Engg and Project Management) visited Ready-Mix Concrete (RMC) plant at Senneerkuppam, Poonamallee, Chennai on 08.11.2023.



Students of II year B.Tech. and I year M.Tech. (Structural Engineering) & M.Tech. (Construction Engg and Project Management) visited Building Centre at Auroville, Pondicherry on 15.02.2024.

7. Conferences / FDP / Seminars / Workshops Organized by the department

S. No	Name of the programme	Type of Programme	Duration From - To	Details of Collaborating Agency	No. of Participants			
					BSACIST		Other Institution	
					Facul ty	Student s	Facul ty	Student s
1.	Guest lecture on 'Sustainable Construction Technology – A way forward'	Guest Lecture	27.07.2023	-	4	100	-	-
Details of Keynote Speaker : Dr. Shweta Goyal, Professor, Thapar Institute of Engineering & Technology, Patiala, Punjab								
2.	Workshop on "Computer Application in Civil Engineering"	Workshop	30.08.2023	-	3	39	-	-
Details of Keynote Speaker : Mr. Ligen Mohan, Technical Head, CADD Centre, Tambaram, Chennai								
3.	Royal Charter Day	Guest Lecture	14.09.2023	-	15	60	-	-
Details of Keynote Speaker : Mr. N. Kalyanaraman, Chief Operating Officer, M/s. Navin Housing & Properties (P) Ltd. Chennai								
4.	Guest lecture on "Advanced Construction Technology in Infrastructure Projects"	Guest Lecture	03.10.2023	-	5	65	-	-
Details of Keynote Speaker : Mr. M. Suman Dhas, Chief Engineering Manager, M/s. L&T Construction Chennai.								
5.	One day workshop on "DGPS, Drone and Lidar: The Future of Surveying Technologies"	Workshop	10.10.2023	-	2	40	-	-
Details of Keynote Speaker : Mr. A. Selvam, Managing Director, M/s. Land Coordinates Technology, Chennai.								
6.	Inauguration of Professional Society Activities of ASCE, ICI, IE(I) & IPA	Professional Society Activities	11.10.2023	-	15	160	-	-
Details of Keynote Speaker : Dr. Deepak K. Kamde, UKRI Research Fellow, University of Leeds, UK.								
7.	Technical Event Debate competition on "Decarbonization of concrete manufacturing through optimizing cement production"	Debate	02.11.2023 & 03.11.2023	-	3	16	-	-

	vs. Replacing cement with alternatives"							
8.	A seminar on "Solid waste management and its potential job opportunities"	Seminar	09.11.2023	-	8	40	-	-
Details of Keynote Speaker: Ms. Krishnapriya A, Environmental Engineer and Co-founder, M/s. Specro Recycling Pvt. Ltd, Chennai.								
9.	Guest Lecture on "Seismic Analysis and Design of Structures (IS 1893- Draft 2023)"	Guest Lecture	16.02.2024	-	2	20	-	-
Details of Keynote Speaker: Dr.Prawin.J, Senior Scientist, CSIR – Structural Engineering Research Centre, Taramani, Chennai.								
10.	Online Technical Talk on "Corrosion Inhibitors for Concrete Applications"	Technical Talk	20.02.2024	-	4	59	-	-
Details of Keynote Speaker: Prof. Shweta Goyal, Professor, Thapar Institute of Engineering & Technology, Patiala, Punjab.								
11.	Two day Workshop on E Tabs in Collaboration with the Student Chapter of ICI and M/S. Techapps Consulting, Chennai	Workshop	21.02.2024 & 22.02.2024	-	5	24	-	-
Details of Keynote Speaker : Mr.Ganesh Kumar, Senior Application Engineer, M/s.Techapps Consulting, Chennai.								
12.	Oratorical & Poster presentation event under the themes "Net zero water in built environment" and "good plumbing practices to save water"	Oratorical & Poster presentation	27.02.2024	-	5	20	-	-
Details of Keynote Speakers : Mr.Joseph Mathew, Chairman and Mr. Jayaraman Sankar, Coordinator, Indian Plumbing Association (IPA)								
13.	Two-day workshop on "Electrochemical Corrosion Techniques: Theory and Hands-on Training (ECT 2024)"	Workshop	08.03.2024 & 09.03.2024	-	5	21	2	16

Details of Keynote Speakers :

- Dr. S. Ramanathan, Professor, Department of Chemical Engineering, IIT Madras, Chennai.
- Dr.S.Ningshen, Head, CSTD & CEPS, IGCAR, Kalpakkam
- Dr. S.C. Vanithakumari, SO/F, Corrosion Science & Technology Division, IGCAR, Kalpakkam
- Dr.S.Rangarajan, Former Head, Water & Steam Chemistry Division, BARCF, Kalpakkam
- Dr. Radhakrishna G Pillai, Professor, Department of Civil Engineering, IIT Madras, Chennai.
- Dr. Roopa V, Asst Professor (Sr. Gr.), Department of Civil Engineering, BSACIST, Chennai.
- Dr. M.S. Haji Sheik Mohammed, Dean, School of Infrastructure, BSACIST, Chennai.
- Dr. N. Vasimalai, Asst. Professor (Sel. Gr.), Department of Chemistry, BSACIST, Chennai.
- Dr. T.M. Sridhar, Assistant Professor, Head (i/c), Department of Analytical Chemistry, University of Madras, Chennai.

14.	Ecological Footprint Tool to assess the Environmental Impact of Buildings	Guest Lecture	15.03.2024	-	3	20	-	-
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Details of Keynote Speaker:

Dr. Dilawar Hussain, Dean IQAC & HOD Mech. Engg, Maulana Mukhtar Ahmad Nadvi Technical Campus, Mansoor, Maharashtra

15.	A lecture on "Rainwater Harvesting in Urban Areas " to commemorate World Water Day '2024	World Water Day	21.03.2024	-	7	100	-	-
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Details of Keynote Speaker:

Dr.Sekhar Raghavan (Rain Man of Chennai), Director, Rain Centre, Adyar, Chennai

16.	National Level Technical Symposium "Civician 2K24"	Symposium	02.04.2024	-	16	130	-	60
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Details of Keynote Speaker:

Dr. K. Swaroop Krishnan Senio, r Vice President, M/s.Bharathi Meraki, Chennai

17.	Structural Analysis of Building: Issues & Challenges	Guest Lecture	24.04.2024	-	5	47	-	-
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Details of Keynote Speaker:

Ms. Elakeya Umashankar, Structural Engineer and CEO, M/s. S&J Engineering Services, Chennai

18.	Guest Lecture on Quantity Surveying and Building Estimation	Guest Lecture	25.04.2024	-	5	80	-	-
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Details of Keynote Speaker:

Er.Kaka Mohammed Suhaib, Managing Director, M/s. Samsco Construction, Chennai.

19.	Safety Management In Construction	Webinar	26.04.2024	-	5	75	-	-
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Details of Keynote Speaker:

Er. Saqlane Mehdi Kalve, Earthworks Field Engineer – M/s.KIEWIT, Toronto, Canada

20.	Application of Remote Sensing in Civil Engineering Field	Guest Lecture	30.04.2024	-	5	50	-	-
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Details of Keynote Speaker:

Mr. Rajesh Thangaraj, Senior Consultant, M/s. Land Coordinates Technology, (LCT), Chennai

21.	Civil Engineering Software	Work Shop	29.04.2024	CADD Centre, Tambaram,	2	100	-	-
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				Chennai				
Details of Keynote Speaker : Ms. Sowmya.K.R, BIM Specialist, CADD Centre, West Tambaram, Chennai.								

8. Details of Financial Support / Sponsorship received for organizing various events:

Sl. No	Name of the Event	Amount Received (Rs.)	Whether received from Institution / Outside Sponsors (please specify sponsor details)
1.	Sustainable Construction Technology – A way forward (27.07.2023)	3,000/-	Institution
2.	Royal Charter Day Celebration (14.09.2023)	5,000/-	The Institution of Engineers (INDIA), Kancheepuram Local Chapter
3.	Guest lecture on Advanced Construction Technology in Infrastructure Projects (03.10.2023)	3,000/-	Institution
4.	Workshop On DGPS, Drone And LIDAR: The Future of Surveying Technologies (10.10.2023)	5,000/-	Institution
5.	Seismic Analysis & Design of Structures (IS1893- Draft 2023) (16.02.2024)	2,000/-	Institution
6.	World Water Day celebrations (21.03.2024)	5,000/-	The Institution of Engineers (INDIA), Kancheepuram Local Chapter
7.	CIVICLAN 2k24 – National Level Technical Symposium (02.04.2024)	40,000/-	Institution
8.	Series of guest lectures 1.Structural Analysis of Building: Issues & Challenges (24.04.2024) 2. Quantity Surveying and Building Estimation (25.04.2024) 3.Safety Management in Construction (26.04.2024) 4.Application of Remote Sensing in Civil Engineering Field (30.04.2024)	16,000/-	Institution
9.	3 rd Two-day workshop on “Electrochemical Corrosion Techniques: Theory and Hands-on Training”.	35,000/-	M/s.Sri Easwari Scientific Solutions Pvt Ltd, Chennai & M/s.Leading Ledge Lab Equipments, Coimbatore.

9. Conferences / FDP / Seminars / Workshops Attended by faculty.

S. No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organized by
1.	Dr.M.S.Haji Sheik Mohammed	3 rd Two-day workshop on "Electrochemical Corrosion Techniques: Theory and Hands-on Training"	Workshop	08.03.2024 & 09.03.2024	Department of Civil Engineering, B.S.Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai
2.	Dr.Vasanthi Padmanabhan	NEP- 2020 Orientation and Sensitization under Malaviya Mission Teacher Training Programme (MM-TTP) - (UGC)	FDP	05.03.2024 to 14.03.2024	Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Chennai
3.	Dr.J.Revathy	NEP- 2020 Orientation and Sensitization, Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC)	FDP	18.03.2024 to 26.03.2024	University of Hyderabad (MMTTC-UoH)
4.	Dr.P.Gajalakshmi	Exploring Dynamics of National Education Policy 2020 with reference to NAAC perspectives	FDP	15.11.2023 to 24.11.2023	MKES Khandawala College, Mumbai in association with Research Foundation of India & RFI-CARE
5.	Dr.P.Gajalakshmi	NEP- 2020 Orientation and Sensitization, Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC)	FDP	18.03.2024 to 26.03.2024	University of Hyderabad (MMTTC-UoH)
6.	Dr.K.Yogeswari	Strategies for Publishing in High Impact Factor Journals	Webinar	17.04.2024	Research, BSACIST
7.	Dr.V.S.Priya	NEP- 2020 Orientation and Sensitization, Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC)	FDP	18.03.2024 to 26.03.2024	University of Hyderabad (MMTTC-UoH)
8.	Dr.V.S.Priya	Air Pollution and Control	MOOC course (12 weeks)	Jan -April 2024	Swayam-NPTEL
9.	Dr.Nisha Khanam	Exploring Dynamics of National Education Policy 2020 with reference to NAAC perspectives	FDP	15.11.2023 to 24.11.2023	MKES Khandawala College, Mumbai in association with Research Foundation of India & RFI-CARE
10	Dr.Nisha Khanam	NEP- 2020 Orientation and Sensitization, Malaviya Mission Teacher Training	FDP	18.03.2024 to 26.03.2024	University of Hyderabad (MMTTC-UoH)

		Programme (MM-TTP) of University Grants Commission (UGC)			
11	Dr.Nisha Khanam	Air Pollution and Control	MOOC course (12 weeks)	Jan – April 2024	Swayam-NPTEL
12	Dr.Nisha Khanam	Practical Aspects of ICT Tools & Online Teaching in Current Scenario	FDP	29.05.2024 to 04.06.2024	Research Foundation of India & RFI-CARE
13	Dr.V.Roopaa	SPSS Software for Statistical Data Analysis	National Level workshop cum Hands on Training (online)	28.12.2023 to 05.01.2024	Digiskills Center, A.C.T Academy, Tamil Nadu
14	Dr.K.Kanmani	Remote Sensing and Digital Image Analysis	Online course (4 weeks)	28.08.2023 to 22.09.2023	Indian Institute of Remote Sensing (IIRS), Dehradun and Indian Space Research Organization (ISRO)
15	Dr.K.Kanmani	Imagery in Action	Online course (6 weeks)	25.09.2023 to 06.11.2023	ESRI, Redlands, USA.
16	Dr.K.Kanmani	Spatial Data Science: The New Frontier in Analytics	Online course (6 weeks)	25.08.2023 to 06.10.2023	ESRI, Redlands, USA.
17	Dr.K.Kanmani	Emerging Trends & Applications in Civil Engineering (ETACE – 2024)”	Workshop	29.01.2024 to 03.02.2024	Department of Civil Engineering, SRMIST, Chennai.
18	Dr.K.Kanmani	Millennium Generation Psychology & Teacher's Well-being	FDP	19.02.2024 to 24.02.2024	Internal Quality Assurance Cell (IQAC) & PG Department of Applied Psychology in collaboration with Anugraha, Institute for Counselling, Psychotherapy and Research, Shasun Jain College for Women, Chennai
19	Dr.K.Kanmani	Going Places with Spatial Analysis	Online course (6 weeks)	24.01.2024 to 07.03.2024	ESRI, Redlands, USA.
20	Dr.Ayisha Siddiqua	Innovative Teaching Practices in Higher Education	Workshop	13.09.2023 to 14.09.2023	Centre for Innovations in Teaching and Learning (CITL), BSACIST, Chennai
21	Dr.Ayisha Siddiqua	Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC)	NEP 2020 Orientation & Sensitization Programme	05.03.2024-14.03.2024	Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Chennai
22	Dr.Y.Ibrahim	Millennium Generation Psychology & Teachers Well being	FDP	19.02.2024 to 24.02.2024	IQAC & PG Department of Applied Psychology in collaboration with Anugraha, Institute for Counselling, Psychotherapy, and Research, Shasun Jain College for Women, Chennai

23	Dr.Y.Ibrahim	Emerging Trends & Applications in Civil Engineering	Second Six Days Workshop	29.1.2024-3.2.2024	SRM Institute of Science & Technology, Katankalathur, Tamil nadu
24	Mr.A.Sheik Farid	Best Practices of Scholarly Publications	Workshop	12.07.2024	Dean, Research, BSACIST, Chennai
25	Mr.A.Sheik Farid	Strategies for Publishing in High Impact Factor Journals	Webinar	17.04.2024	Dean, Research, BSACIST, Chennai
26	Mr.A.Sheik Farid	Green Solutions for smart Infrastructure Development	FDP	29.01.2024 - 02.02.2024.	Geethanjali College of Engineering in association with Institution's Innovation Council, Hyderabad
27	Mr.A.Sheik Farid	NEP 2020 Orientation & Sensitization Programme	FDP	05.03.2024 - 14.03.2024	Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Chennai
28	Mr.A.Sheik Farid	Basics of Startup	FDP	11.05.2024 - 17.05.2024.	Institution's Innovation Council, BSACIST, Chennai

10. Papers Published/ Presented in Journals & Conferences (Total Numbers Only) (July 2023-June 2024)

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
4	1	4	1	2	-	34	-	46

11. Details (list) of Publication in National & International Journals & Conferences: (IEEE Format)

International Journal & National Journal

a) SCI/Scopus Indexed Journal -36

b) Other journals- Nil

- C.S. Narayanan, M.S. Haji Sheik Mohammed, and N. Logeswaran (2024), 'Study on Regulatory Authority Guidelines for Fostering Affordable Housing Clusters in the Northern Coastal Region of Tamil Nadu, India'. International Journal of Sustainable Development and Planning, Vol. 19, No.1, pp. 139-148.
- Md Muheeb Ahmed, Mohd Umar and M.S. Haji Sheik Mohammed (2024), 'Investigation on Synergistic Effect of Miner Admixtures and Styrene Acrylic Ester-based Polymer on Mechanical and Transport Properties of Repair Composites'. The Indian Concrete Journal, Vol.98, No.2, pp.6-16.
- Hussein Muhammad, Haziq Najmi Mohd Isa, Sakhiyah Abdul Kudus, M.S. Haji Sheik Mohammed, and V. Roopa (2024), 'Flexural and Bond Behaviour of Concrete Beams Strengthened with Carbon Fiber-Reinforced Polymer Sheet', International Journal of Integrated Engineering', Vol. 16, No.1, pp. 222-237.

4. Sakhiah Abdul Kudus, Siti Hajar Aisyah Mohd Din, M.S. Haji Sheik Mohammed , V.Roopaa and Zakiah Ahmad (2024), 'Performance of GFRP sheets in Strengthening Concrete Beams in Flexure'. Jurnal Kejuruteraan, Vol.36,No.4,pp.1689-1697.
5. Ahmed Abdul Ahad, Md. Muheeb Ahmed, M.S. Haji Sheik Mohammed, and Mohd Umar (2024), 'Investigation on Influence of Corrosion and Protective Coating on Steel Rebars on Flexural Performance of RC Beams'. Asian Journal of Civil Engineering Vol.25, pp 2133–2147. <https://doi.org/10.1007/s42107-023-00899-5>.
6. Sharmila, M. R., and P, Vasanthi. (2024), 'Evaluation of corrosion potential in near-shore piles and analysis through RSM modelling'. Engineering Research Express, Vol. 6, No. 2, pp 1-18.
7. Rajkumar, R., Vasanthi, P. And Nagaraj, M., (2024), 'Experimental and Modeling of the Behaviour of Interior Air Temperature in a High-Rise Residential Building in Winter and Summer'. Journal of the Balkan Tribological Association, Vol. 30, No 2, pp 163–176.
8. K. Kanmani, Vasanthi Padmanabhan and P. Pari, (2023), 'Accuracy Assessment of different classifiers for Sustainable Development in Landuse and Landcover mapping using Sentinel SAR and Landsat-8 data'. EAI Endorsed Transactions on Energy Web, Vol. 10., <https://doi.org/10.4108/ew.4141>.
9. Rupa Rajkumar, Vasanthi Padmanabhan, Velraj Ramalingam, Nagaraj Meenakshi Sundaram (2023), 'Computational Modelling in A High-Rise Building with Different Building Envelope Materials for Sustainable Living'. Thermal Science, Vol.1, No.4, pp.245, <https://doi.org/10.2298/tsci221015245r>.
10. Pavithra Chandramouli, Mohamed Riyaaz Nayum Akthar, Veerappan Sathish Kumar, Revathy Jayaseelan, and Gajalakshmi Pandulu (2024), 'Neural Network Prediction and Enhanced Strength Properties of Natural Fibre-Reinforced Quaternary-Blended Composites'. Civil Engineering, Vol. 5, pp 827–851. <https://doi.org/10.3390/civileng5040043>.
11. K. K. Yaswanth, Komma Hemanth Kumar Reddy, N. Anusha, B.Praveen, J. Chippymol, J. Revathy, Haythem F. Isleem,(2024), 'Engineered geopolymers composites: a comprehensive state-of-the-art review on materials perspective'. Archives of Civil and Mechanical Engineering, Vol. 24, No.193. <https://doi.org/10.1007/s43452-024-01007-3>.
12. K. K. Yaswanth, V. Sathish Kumar, J. Revathy, G. Murali, C. Pavithra, (2024), 'Compressive Strength Prediction of Ternary Blended Geopolymer Concrete using Artificial Neural Networks and Support Vector Regression'. Innovative Infrastructure Solutions, Vol.9, No.32, <https://doi.org/10.1007/s41062-023-01343-y>
13. J. Revathy, K. K. Yaswanth, P. Gajalakshmi, (2023), 'Flexural performance of GGBS based EGC layered reinforced cement concrete and geopolymer concrete beams: a retrofit perspective'. Innovative Infrastructure Solutions, <https://doi.org/10.1007/s41062-023-01236-0>
14. Veerapandian, V., Pandulu, G. Jayaseelan, R. (2024), 'Behavior of FRP-Confined Columns with Eco-friendly Concrete Under Combined Axial and Lateral Loading'. Arabian Journal for Science and Engineering, Vol. 49, pp 4495–4512. <https://doi.org/10.1007/s13369-023-08146-4>.
15. P Gajalakshmi, Nisha Khanam, Dhamodharan S, Nazih Rihan, Faris Nisar (2024), 'Development of Novel Semi Flexible Surface Pavement Material for Highway Applications'. Journal of Systems Engineering and Electronics, Vol. 34, No. 4, pp 357-375.
16. P Gajalakshmi, Nisha Khanam, Salman Khan, Yunus Mohamed S. (2024), 'Study on the Engineering Properties of Stabilised Expansive Soil'. METSZET Journal, Vol. 9, No.5, pp-231-243.

17. P.Krithika, P.Gajalakshmi and J.Revathy, (2023), 'Behavior of fiber- reinforced expansive cement concrete columns'. Asian Journal of Civil Engineering, Vol. 24, pp. 419–428, <https://doi.org/10.1007/s42107-022-00508-x>.
18. Varunkumar Veerapandian, Gajalakshmi Pandulu, Revathy Jayaseelan and M. Y. Mohammed Asif (2023), 'Simplified deep- learning approach for estimating the ultimate axial load of circular composite columns'. Asian Journal of Civil Engineering, Vol.24 pp 2375-2387, <https://doi.org/10.1007/s42107-023-00647-9>.
19. P Krithika, P Gajalakshmi, J Revathy (2023), 'Experimental and Analytical Study on Performance of Fiber-Reinforced Self-Stressed Concrete'. Buildings, Vol.13(2), pp-385, <https://doi.org/10.3390/buildings13020385>.
20. Shiek Haseena. K. Yogeswari (2024), 'Physical and biological characterization of graphene oxide admixed concrete exposed to sea environment'. International Journal of Scientific research in Engineering and Management, Vol.8, No.5, pp-1-5.
21. B. Kannadasan and K. Yogeswari, (2024), 'Real Time Traffic Study Using Smart Technology'. International Journal of Intelligent Systems and applications in Civil Engineering, Vol.12, Issue 21 pp 3912-3932.
22. B. Kannadasan and K.Yogeswari (2024), 'ANN-based traffic planning model using adaptive YOLOv5-aided object counting from surveillance videos'. Asian Journal of Civil Engineering <https://doi.org/10.1007/s42107-024-01079-9> June 2024
23. M. R. S. Malik and V. S. Priya, (2024), 'ANN-weighted Distance Grey Wolf Optimizer for NOx Emission Optimization in Coal Fired Boilers of a Thermal Power Plant'. Engineering Technology and Applied Science Research., Vol. 14, No. 4, pp. 15361–15366.
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27. A K Kaliluthin and V. Agalya (2024) "Experimental Analysis on Continuous Ambient Air Quality Monitoring System (CAAQMS) at Vandalur, Chennai, India", Ecology, Environment and Conservation Journal, Vol 30, No.1, pp. 254-264. DOI No.: <http://doi.org/10.53550/EEC.2024.v30i01.048>
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29. S. Kandasamy, T. Revathee, M. V. V Thirumuruga Poiyamozhi, S. Syed Ibrahim, N. Pannirselvam and A. K. Kaliluthin (2023), "The Effect of Permeable Formwork on the Mechanical Properties of Steel Fiber-Reinforced Concrete" Journal of Engineering Science and Technology, Vol. 18, No.6, pp. 3097-3112, School of Engineering, Taylor's University,

30. Nisha Khanam, B V Mudgal and Jailakshmi Menon (2024), Experimental study on drag characteristics of sill and baffles in forced unsubmerged and submerged hydraulic jumps. Sadhana Publications, Indian Academy of Sciences ,Vol.49, No.41, pp.1-8. <https://doi.org/10.1007/s12046-023-02383-x>.
31. Nisha Khanam, Priya V S, Dhamodharan S, and Purnima M (2024), Exploration of Urban Flood Inundation Using HEC-HMS (A Case Study of the Cooum River Basin in the Chennai Zone), Journal for Basic Sciences, Vol.24(4), pp.688-697.
32. Nisha Khanam, Charumathi M, Priya V S, Dhamodharan S, Roja R, Henry Daniel B K, Roshan P and Subash V, (2023), Comparative Study on Air Quality Monitoring of Stations in Chennai during Pre and Post-Lockdown of Covid-19 Pandemic. Metszet Journal, Vol.8, No.7, pp.167-176.
33. K. Kanmani, Vasanthi Padmanabhan, P. Pari (2023), "Accuracy Assessment of different classifiers for Sustainable Development in Landuse and Landcover mapping using Sentinel SAR and Landsat-8 data", EAI Endorsed Transactions on Energy Web, Vol. 10, pp.1-9, <https://doi.org/10.4108/ew.4141>
34. M. Ayisha Siddiqua, A. Sheikh Farid, Girish Birgoudiar, M. Jaganathan, S.M. Kabilan, E.H. Asad, (2024), Useful metals recovery from electronic scraps of headphones - A sustainable approach, Waste Management Bulletin, Vol.2(2), pp.302-307.
35. Ayisha Siddiqua M., Priya, V.S., Begum, N., Noor Aman, (2023), Synthesis of magnetic ZnFe₂O₄- reduced graphene oxide nanocomposite photocatalyst for the visible light degradation of cationic textile dyes. Nanotechnology for Environmental Engineering, Vol.8, pp 555–565. <https://doi.org/10.1007/s41204-022-00304-7>.
36. Preethi. E, K. Yogeswari, Manivannan A, (2024), 'Forecasting cost of residential projects in Chennai using artificial neural networks'. International Journal of Civil and Environmental Engineering, Vol.12, No.9, pp.47-53.

International Conference & National Conference:

1. Garmel Shiney G., K. Yogeswari, 'Adapting home: understanding the factors affecting residential real estate purchases in India- a review of literatures'. International Conference on Contemporary Engineering and Technology, pp. 41, ISBN 978-81-965908-5-7 2023 (June 2024).
2. Jagadeesh Kasi, A K Kaliluthin, Y Ibrahim and K Kanmani, 'Residential facility management in India: A user satisfaction on study'. National Conference on Functional Materials for Sustainable Energy & Information Technology (FuMSEIT 2023), organized in association with Federation of Economic Development Association & School of Physical and Chemical Sciences, B. S. Abdur Rahman Crescent Institute of Science and Technology, pp.121, ISBN 978-93-92892-88-2 (27th – 28th November 2023).
3. Nisha Khanam, Dhamodharan S, V. S. Priya, M. Purnima, 'Study on Flood Inundation of an Urban Area using HEC-HMS'. International Conference on Contemporary Researches in Engineering, Science, Management & Arts (ICCRESMa'2024) organised by Centre for Research & Training (CRT), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India (22nd – 24th February 2024).
4. Shafeer Ahamed N S, Ibrahim Y, Kanmani K, 'Development of Light Transmitting Concrete Using Acrylic Bars'. International Conference on New Trends in Science, Engineering, Technology and Management (ICNTSETM-

- 2024), pp.7, ISBN: 978-81-19821-90-7, organized by P. S. V College of Engineering and Technology, Krishnagiri, Tamilnadu, (26th & 27th April 2024).
5. Kanmani K, Ibrahim Y, Vasanthi Padmanabhan, 'Landuse and Landcover Change Detection Using Sentinel Image and Random Forest Classifier'. International Conference on New Trends in Science, Engineering, Technology and Management (ICNTSETM- 2024), pp.5, ISBN: 978-81-19821-90-7, organized by P. S. V College of Engineering and Technology, Krishnagiri, Tamilnadu, (26th & 27th April 2024).
 6. K. Kanmani, P. Vasanthi, Y. Ibrahim, N. S. Shafeer Ahamed, 'Transforming rice agriculture: image processing techniques for sustainable precision farming and global food security'. National Conference on Functional Materials for Sustainable Energy & Information Technology (FuMSEIT 2023), pp.123, ISBN 978-93-92892-88-2), organized in association with Federation of Economic Development Association by School of Physical and Chemical Sciences, B S Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai (27th & 28th November 2023).
 7. Ayisha Siddiqua M and Sheik Farid A, 'A better path towards municipal solid waste management using geographical information system", International conference on adaptive technologies for sustainable growth (9th edition) ISBN number 978-93-91977-38-2 organised by Paavai Engineering College, Namakkal (27th April 2024).
 8. Ibrahim Yakoopali, Jagadeesh Kasi, Shafeer Ahamed N S, Kanmani K, Vasanthi Padmanabhan, 'Characterization, Adsorption and Kinetics studies: Treatment of Textile Dyeing Effluent by novel natural Coagulation cum Adsorption Process'. International Conference on Advanced Functional Materials and Devices (AFMD-2024), pp.1250, organized by SRM Institute of Science and Technology, Chennai, (26th – 29th February 2024).
 9. Ibrahim Yakoopali, Vasanthi Padmanabhan, Shafeer Ahamed N S, Kanmani K, Jagadeesh Kasi, Mohammed Shaheer Aadil, 'Experimental assessment of partial replacement of cement with sea shell powder in concrete'. National Conference on Functional Materials for Sustainable Energy & Information Technology (FuMSEIT 2023), pp.125, ISBN 978-93-92892-88-2, organized in association with Federation of Economic Development Association by School of Physical and Chemical Sciences, B S Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai , (27th & 28th November 2023).
 10. Sheik Farid A, and Ayisha Siddiqua M, 'Examining key Factors Impacting Profitability in Construction Project Performance - A Review'. Eleventh National Conference on Innovation in Civil Engineering ISBN: 978-93-95898-70-6, organized by Karpagam Academy of Higher Education, (March 2024).

12. Book(s) Published

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, country& Month of publication	Availability status
			Rs	\$		
1.	Dr.Ayisha Siddiqua	Chapter titled on "Research on Professional Development of College English	1000	-	BP international, 2024.	Online

		Teachers in the Context of Digital Transformation"				
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13. Patents (Obtained / Applied)

S.No	Details of the Faculty & Affiliation	Title of Patent	Details of Patents		
			Filed	Published	Granted
1.	Dr.Ayisha Siddiqua Dr.V.SPriya Dr.D.Easwaramoorthy Ms.Nishath Begum J Dr.NoorAmanAhrar Mundari Dr.I.Faridha Begum	Textile effluent dye removal using novel carbon-based photo adsorbents from soapnut seeds.	-	Patent Application No.: 202441023638 Published on 05/04/2024	-

14. Details of Impact Factor of the Publication and H-Index of the department

- A) Range - 0 - 3.8
 B) Average -1.68
 C) H-Index -17
 D) No. In Scopus – 11 (CY 2023) 25(CY 2024)

15. Sponsored Research (Ongoing / Granted)

S. No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Sanctioned	Current Status
1.	Dr. G. Radhakrishna G Pillai (PI), Department of Civil Engineering, IIT Madras Dr.M.S.Haji Sheik Mohammed (Co-PI), Department of Civil Engineering, B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai Dr. Dhanya B.S. (Co-PI) Department of Civil Engineering, Rajiv Gandhi Institute of Technology, Kottayam.	M/S. Vector Corrosion Technologies, Canada, M/S. RadheStructore pair Pvt. Ltd., Ahmedabad & M/S. Trade Winds, Chennai.	Evaluation of Sacrificial Anode Cathodic Protection (SACP) systems for reinforced concrete application	Rs.29.80 Lakhs	2018-2024 (Ongoing)
2.	Dr. M.S. Haji Sheik Mohammed (PI) and Ms. V. Roopa (Co-PI) Department of Civil Engineering, B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai Dr. Sakhiyah Abdul Kudus, Dr. Zakiah Ahmad TS., Dr.	Collaborative Research Project under Mutual Funding Scheme	Influence of Chemical and Mineral Admixtures on the Performance of Galvanized Steel Rebars.	Rs.10.59 Lakhs	2022-2025 (Ongoing)

	NurKamaliahMustaffa TS., Dr. AdizaJamadinUniversitiT eknologi Mara, UiTM, Malaysia				
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16. Details of new Research Laboratories Created

S.No	Name of the Lab	Details of Infrastructure		Value of Equipment procured in the Financial Year 2023-24 (Rs.)
		Land (sq.ft)	Construction Space (sq.ft)	
NIL				

17. Details of Major Equipment Purchased (Financial year 2023-24)

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs
1	Concrete Mixer Machine	M/s. Leading Edge Lab Equipments	12.03.2024	2,12,400/-
2	Climatic Test Chamber	M/s. Sri Eswari Scientific SoulutionPvt.Ltd	26.03.3024	11,52,181/-

18. International Visits by Faculty / Students

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country	Purpose	Period	Outcome
NIL						

19. Faculty Internships (Industry / research organization / Academic Institution)

S.No	Name of the Faculty	Details of work place & Mentor	Period of Internship	Outcome
NIL				

20. Achievements of Faculty

S.No	Name of the Faculty	Type of recognition/Award	Details of Awarding organization	Month & Year
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1.	Dr.P.Vasanthi	Chairperson for a session in a Sweden/Egypt/India International Conference on "WATER PURIFICATION and MANAGEMENT"	Mahatma Gandhi University, Kottayam, Kerala, India.	July 2024
2.	Dr.M.S.Haji Sheik Mohammed	Delivered a guest lecture on "Durability of Reinforced Concrete Structures"	Crescent School of Architecture, BSACIST, Chennai	August 2023
3.	Dr.M.S.Haji Sheik Mohammed	Delivered a guest lecture on Corrosion Prevention / Control Methods for Service Life Extension of RC Structures	Six Day Workshop on Emerging Trends and Applications in Civil Engineering (ETACE 2024) organized by SRM Institute of Science and Technology	January 2024
4.	Dr.M.S.Haji Sheik Mohammed	Delivered lecture on Electrochemical Behaviour of Coated Steel Rebars in Concrete (3 rd Two-day workshop on "Electrochemical Corrosion Techniques: Theory and Hands-on Training)	Department of Civil Engineering, and Department of Chemistry, BSACIST in association with AMPP India section (SZ) & NIIS (SZ)	March 2024
5.	Dr.M.S.Haji Sheik Mohammed	NAAC Peer Team - Member	Visited Institution in Mumbai	October 2023
6.	Dr.M.S.Haji Sheik Mohammed	Interview Panel member for the position of Project Asst/Project Associate	CSIR-SERC, Taramani, Chennai	December 2023
7.	Dr.M.S.Haji Sheik Mohammed	NAAC Peer Team - Member Coordinator	Visited Institution in Nagpur	March 2024
8.	Dr.M.S.Haji Sheik Mohammed	Delivered a guest lecture Durable Construction: Need for Corrosion Protection & Water Proofing	Builders Association of India (TC)	May 2024
9.	Dr.P.Gajalakshmi	Lecture Delivered on the topic 'Check Dam (Site condition, Design Criteria), Loose Boulder Check-Dams/Rock fill dams (Site Condition, Design Criteria), Wire-gabion structures (Site Condition, Design Criteria)'in Technical and Skill Training Programme on Watershed Planning and Monitoring for RD & PR Officials, AEEs And AEs	State Institute of Rural Development & Panchayat Raj (SIRD), Maraimalai Nagar, TamilNadu	August 2023 to January 2024
10.	Dr.P.Gajalakshmi	Interview Panel member for the position of Project Asst/Project Associate	CSIR-SERC, Taramani, Chennai	December 2023
11.	Dr.P.Gajalakshmi	Outstanding Concrete Teacher Award 2023	Indian Concrete Institute, Chennai &Ultratech Cement Limited	January 2024

12.	Dr.K.Yogeswari	Field Survey of accidents spots across the state and Preparation of action plan.	Office of Addl. Director General of police, Special task force, road safety Chengalpet District office.	August 2023
13.	Dr.K.Yogeswari	A reviewer of journal "An Advancement in Concrete construction "	International Journal	October 2023
14.	Dr.K.Yogeswari	Delivered a guest lecture on the topic "Highway Engineering"	KCG Engineering College, Chennai	April 2024
15.	Dr.V.S.Priya	Lecture delivered on the topic 'Toilet Linked Biogas Plant & Village Sanitation Saturation Plan' (Technical and Skill Training Programme on Watershed Planning and Monitoring for RD & PR Officials, AEEs And AEs)	State Institute of Rural Development & Panchayat Raj (SIRD), Maraimalai Nagar, TamilNadu	August 2023 to September 2023
16.	Dr.A.K.Kaliluthin	Lecture Delivered on the topic 'Introduction of Reuse and Recycling of Non-Biodegradable Solid Wastes: Waste Materials as construction materials by recycling technologies' (Technical and Skill Training Programme on Watershed Planning and Monitoring for RD & PR Officials, AEEs And AEs)		
17.	Dr.Nisha Khanam	Lecture Delivered on the topic 'Concept of Watershed, Water Resource Development Plan, Water Budget, Soil and moisture Conservation Measures (site condition) (Technical and Skill Training Programme on Watershed Planning and Monitoring for RD & PR Officials, AEEs And AEs)		
18.	Dr.N.S.Shafeer Ahamed	Lecture Delivered on the topic "Gully Plug (Site condition, Design Criteria), Nala Bunds and Percolation Tanks (Site condition) 'Tanks (Site condition, Design Criteria, Sunken Pit (Site condition, Design Criteria)' (Technical and Skill Training Programme on Watershed Planning and Monitoring for		

		RD & PR Officials, AEEs and AEs)		
19.	Dr.V.Roopaa	Awarded Ph.D degree on 'Corrosion Protection and Service Life Extension of Reinforced Concrete Roofing Systems in Existing Buildings'	Department of Civil Engineering, BSACIST	November 2023
20.	Dr.K.Kanmani	Keynote lecture delivered on "Fundamentals of GIS and Urban Geo-informatics" under the training "Application of Geo informatics in Urban Projects" in the programme "Capacity building and training programs (CBTP) for urban sector in Tamilnadu" for AEEs and AEs.	STEM at Madras Christian College (MCC), Chennai.	August 2023
21.	Dr.K.Kanmani	Guest lecture delivered on "QGIS Application – Hands-on-training" in Technical and Skill Training programme for RD & PR officials, AEEs and AEs.	State Institute of Rural Development & Panchayat Raj (SIRD), Maraimalai Nagar.	August 2023 to January 2024
22.	Dr.K.Kanmani	Secured NPTEL mentor certificate for the course Remote Sensing Essentials.	AICTE-NPTEL	January – April 2024
23.	Dr.K.Kanmani	Awarded Ph.D degree on 'Estimation and Assessment of soil moisture for heterogeneous crop regions using SAR polarimetric data'	Department of Civil Engineering, BSACIST	May 2024
24.	Dr.M.Ayisha Siddiqua	Lecture delivered on the topic 'Toilet Linked Biogas Plant & Village Sanitation Saturation Plan' & 'Conservation of Natural Resources' in Technical And Skill Training Programme on Watershed Planning and Monitoring for RD & PR Officials, AEEs and AEs	State Institute of Rural Development & Panchayat Raj (SIRD), Maraimalai Nagar, Tamil Nadu	August 2023 to September 2023
25.	Dr.M.Ayisha Siddiqua	Awarded Ph.D degree on 'Development and performance evaluation of novel composite photocatalyst for the treatment of textile dyes'.	Department of Civil Engineering, BSACIST	November 2023
26.	Dr.Y.Ibrahim	Lecture delivered on the topic 'Introduction to Solid and Liquid Waste Management & Composting and Technology options for	State Institute of Rural Development & Panchayat Raj (SIRD), Maraimalai Nagar, TamilNadu	August 2023 to September 2023

		Treatment of Biodegradable Wastes' (Technical and Skill Training Programme on Watershed Planning and Monitoring for RD & PR Officials, AEEs And AEs)		
27.	Dr.Y.Ibrahim	Awarded Ph.D degree on Study on the Treatment of Cottage Textile Dyeing Industry Effluent by Novel Natural Coagulation cum Adsorption Process	Department of Civil Engineering, BSACIST	November 2023
28.	Mr.A.Sheik Farid	Lecture delivered on the topic 'Tender Creation and Publishing, Bid Submission, Bid opening, Technical Evaluation'. (Technical and Skill Training Programme on Watershed Planning and Monitoring for RD & PR Officials, AEEs and AEs)	State Institute of Rural Development & Panchayat Raj (SIRD), Maraimalai Nagar, TamilNadu	August 2023 to January 2024
29.	Mr.S.Dhamodharan	Lecture Delivered on The Topic 'Irrigation, Irrigation and Water Management, Water Harvesting Measures'. (Technical and Skill Training Programme on Watershed Planning and Monitoring for RD &PR Officials, AEEs and AEs)	State Institute of Rural Development & Panchayat Raj (SIRD), Maraimalai Nagar, Tamil Nadu	August 2023 to January 2024

21. Details of MOOC courses completed by Faculty (NPTEL / COURSE ERA etc.)

S.No.	Name of the Faculty	Name of the course	Name of the Online Learning Platform	Month & Year
1	Mr.Sheik Farid	Instructional Planning and Delivery (Module 4)	NITTT online course	July-Dec 2023.
2	Mr.Sheik Farid	Student Assessment and Evaluation (Module 6)	NITTT online course	July-Dec 2023
3	Mr.Sheik Farid	Research Publication and Ethics	Swayam NPTEL online course	July-Dec2023
4	Dr.V.S.Priya	Air Pollution and Control	Swayam NPTEL online course	Jan- April 2024
5	Dr.V.S.Priya	Swachhata Campus-Clean, Green and Sustainable Technology	Swayam & NITTTR, Chennai	Jan – June 2024
6	Dr.Nisha Khanam	Air Pollution and Control	Swayam NPTEL online course	Jan- April 2024
7	Dr.V.Roopaa	Infrastructure Economics	NPTEL Online Course	Jan – Mar 2024

8	Dr.V.Roopaa	Introduction to Lean Construction (Module -1-Lean Basics)	NPTEL online course	Jan – Feb 2024
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22. Achievements of Students

S.No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Mr.Mohammed Safwan and Mr.Amrees Kishore	210011602009 & 210011601006	Winners in Men Badminton	TNPE Sports University, State Level Tournament	August 2023
2.	Mr.Mohammed Sufwan and Mr.Amrees Kishore	210011602009 & 210011601006	Winners in Men Badminton	State Level IIT – Madras Tournament 2023	September 2023
3.	Mr. SafeerJassim	200011601015	Best Student Award	Institute of Engineers (India), Kanchipuram Local Centre	October 2023
4.	Ms.Sanjana, Ms.Yeswanth, Mr.Prithick Raman , Mr.MdArief, Mr.Deeparatchagan, and Mr.Nizamudeen	210011601033 210011601041 210011602018 210011601020 210011602005 210011601027	Winners in Quizard	SSN College of Engineering, Chennai	October 2023
5.	Mr.Nimal, Ms. Vishnu Priya Ms.Hemashree.G	210011601025 210011601040 210011601010	Participated in Oratorical Competition	Builders Association of India, Chennai	October 2023
6.	Dr.Mohd Umar Ph.D Scholar	170803707001	Best Ph.D Thesis Award 2023	Indian Concrete Institute (ICI) & Ultratech Cement Ltd	January 2024
7.	Mr.Ahmed Umar Murad	200011601003	Final year project	CSIR-SERC, Taramani, Chennai	Feb -May 2024
8.	Mr.Bhupathirajan	210011601007	First Prize cash award in 9th National Conference on “Smart and Innovative Technologies in Civil Engineering” (PAALAM 24)	Dr.M.G.R Educational and Research Institute, Chennai	March 2024
9.	Ms.Hemashree G and Ms.Vishnupriya	210011601010 & 210011601040	Winners of the event Value from Waste	CONCRAZE'24 organized by Anna University, Chennai	April 2024

23. Details of credit transfer through NPTEL/Swayam/MOOC courses

S.No.	Name of the student & Programme	RRN	Name of the course	Credit	Grade Obtained
1.	Mr.A.Sheik Farid (Ph.D)	230803704001	Research and Publication Ethics	2	A
2.	Mr.S.Dhamodharan (Ph.D)	230803704002	Research and Publication Ethics	2	A

3.	Mr.Ansari Ismail Ateeque Shameem Akhtar	230803704003	Research and Publication Ethics	2	A
4.	Mr.Ansari Abu Usama Abdul Rahman	230803704004	Research and Publication Ethics	2	A
5.	Mr.Abdullah Khan Nasir Khan	230803704005	Maintenance and Repair of Concrete Structures	3	A
			Research and Publication Ethics	2	A
6.	Mr.Faizan Ahmed	230803704006	Research and Publication Ethics	2	B
7.	Mr. Saud Anjum Mahevi Mohammed Rashid	230803704007	Research and Publication Ethics	2	A
			Environmental Impact Assessment	4	D

24. Developmental Activities of the Department (for branding/knowledge dissemination etc.)

S.No	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1	CIVICLAN 2024 (National Level Technical Symposium)	1 day	Undergraduate Students Participation from various colleges	Technical & Non-Technical Events	Branding & Knowledge dissemination
2.	Dr.M.S.Haji Sheik Mohammed, delivered a technical lecture on “Durable Construction : Need for Corrosion Protection & Water Proofing” Builders Association of India	1 day	Undergraduate Students Participation from various colleges	Knowledge exposure	
3.	Dr.M.S.Haji Sheik Mohammed, delivered a technical lecture on ‘Corrosion Prevention / Control Methods for Service Life Extension of RC Structures’ in the Six Day Workshop on Emerging Trends and Applications in Civil Engineering (ETACE 2024) organized by SRM Institute of Science and Technology on 31 st January 2024.	6 days	Undergraduate Students Participation from various colleges	Knowledge exposure	

25. Industry / Institute Collaboration

S.No	Name & Detail of	Type of	Month &	Status	Outcome
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	Industry	Collaboration	Year		
1	CSIR-SERC, Taramani, Chennai	B.Tech - Project	Feb. 2024	Completed	B.Tech Project on the topic 'Image-based Structural Damage Assessment using Deep Neural Networks'
2	M/s. Kelvin6K Technologies Private Limited 3D printing	MOU & B.Tech. Project	Dec. 2023	Ongoing	B.Tech Project on the topic 'Design of optimum cementitious composited for construction 3D Printing'
3	Universiti Teknologi Mara, UiTM, Malaysia	Research	Sep. 2022	Ongoing	Research paper publication

Note : Executed Consultancy and Testing to Government / Semi – Government / Private firms worth Rs. 7.5 Lakhs

26. Professional Society Activities

S.No	Name of the Society	Type of activity	No. of Participants			Details of Guest speaker	Outcome
			Faculty	Students	Others		
1	ASCE, ICI, IE(I) & IPA	Inauguration of Professional Society Activities	16	120	-	Dr. Deepak K. Kamde, UKRI Research Fellow at the University of Leeds.	-
2	ASCE, ICI, IE(I) & IPA	CIVICLAN 2024 (National Level Technical Symposium)	16	80	40	Dr. K. Swaroop Krishnan Senior Vice President, M/s.Bharathi Meraki, Chennai	Branding of the department & Institute
3	American Society of Civil Engineers (ASCE)	LECTURE Series	5	150	-	Ms. Elakeya Umashankar, Structural Engineer and CEO M/s. S&J Engineering Services, Chennai	Value addition to the students to get familiarized about the issues and challenges faced during the Structural Analysis & Design of a Building.
						Er. Kaka Mohammed Suhaib,	Value addition for students to obtain

						Managing Director M/s. Samsco Construction, Chennai.	knowledge about the estimate of quantities of items of work in construction of a residential building.
						Er. Saqlane Mehdi Kalve, Earthworks Field Engineer – M/s. KIEWIT, Toronto, Canada	Exposure on the critical importance of prioritizing safety in every aspect of construction projects.
						Mr. Rajesh Thangaraj, Senior Consultant, M/s. Land Coordinates Technology, (LCT), Chennai	Equipping students with an overview of diverse technologies and their applications in Remote Sensing.
4	Indian Concrete Institute (ICI)	Technical debate competition on “Decarbonization of Concrete Manufacturing through: Optimizing Cement Production vs. Replacing Cement with Alternatives”	3	14	-	-	Awareness about to reduce carbon emissions from the construction industry for both the present and the future, as an effective step for Climate Action.
5	Indian Plumbing Association (IPA)	Seminar on “Solid waste management and its potential job opportunities”	4	40	-	Ms. Krishnapriya A. Environmental engineer and co- founder, M/s. Spreco Recycling Pvt. Ltd.	Knowledge on the implementation of the waste segregation efforts in academic institutions
6	American Society of Civil Engineers (ASCE)	Guest lecture on “Advanced Construction Technology in Infrastructure Projects”	3	58	-	Mr. M. Suman Dhas, Chief Engineering Manager, M/s. L&T Construction Chennai.	Value addition on the latest and smart technology that are adopted in the construction of metro rail and high- speed rail.
7	The Institution of Engineers (India) Kanchepuram Local Centre	Guest Lecture on ROYAL CHARTER DAY	3	60	-	Mr. N. Kalyanaraman Chief Operating Officer M/s. Navin Housing & Properties (P)Ltd,	The students were given awareness about the selection of type of concrete, concreting, the amount of vibration

						Chennai	should be provided, permissible limit for column concreting, problem facing during RMC.
8	American Society of Civil Engineers (ASCE) & Indian Concrete Institute (ICI)	Guest lecture on 'Sustainable Construction Technology – A way forward'	3	100	-	Dr. Shweta Goyal, Professor, Department of Civil Engineering from Thapar Institute of Engineering & Technology, Patiala, Punjab,	Knowledge about the fibre reinforced concrete, textile reinforced concrete and some new generation technology such as 3D printed buildings which can be implemented in future for sustainable development.
9	American Society of Civil Engineers (ASCE)	Workshop on "DGPS, Drone and LIDAR: The Future of Surveying Technologies"	2	40	-	Mr. A. Selvam Managing Director, M/s. Land Coordinates Technology, Chennai.	Value addition to the students to enhance the knowledge on the latest technologies adopted in the surveying such as Drones, LIDAR etc
10	Indian Plumbing Association (IPA)	Oratorical & Poster presentation event under the two themes "Net zero water in built environment" and "good plumbing practices to save water"	6	18	-	Mr. Joseph Mathew Chairman, Indian Plumbing Association, Chennai.	Awareness and exposure to the students about the plumbing practices and its significance in saving water.
11	The Institution of Engineers (India) Kanchepuram Local Centre	Guest Lecture on Water for Peace (WORLD WATER DAY)	4	70	-	Dr. Sekhar Raghavan (Rain Man), Director, Rain Centre, Adyar, Chennai.	Awareness on rain water harvesting, tree plantation. Lake protection methods etc were imparted to students.
12	Indian Concrete Institute (ICI)	Workshop on "ETABS"	4	24	-	Mr. Ganesh Kumar, Senior application Engineer, M/s. Tech Apps Consulting, Chennai	Students were exposed to hands on training with ETABS and explored its applications with real time case studies.

27. MoUs Signed

S.No	Name of the Industry / Research organization / Institute	Type of Collaboration	Details of MoU			Outcome
			Day	Month	Year	
1.	M/s. Kelvin6K Technologies Private Limited	Industry	11	12	2023	Joint research & Academic Collaboration

28. Extension Activity Conducted

S.No	Type of extension activity	No. of Participants		Details of beneficiaries	Programme duration	Outcome
		Faculty	Student			
NIL						

29. Important Visitors

S.No	Name of the visitor	Affiliation Details	Details of visit (Date/duration & purpose)	Outcome
1.	Dr. Shweta Goyal	Professor, Thapar Institute of Engineering & Technology, Patiala, Punjab	Guest Lecture 27/7/2023	Academic Collaboration
2.	Mr. Ligen Mohan	Technical Head, CADD Centre, Tambaram, Chennai	Guest Lecture 30/7/2023	Industry Collaboration
3.	Mr.N.Kalyanaraman	Chief Operating Officer, M/s. Navin Housing & Properties(P).Ltd. Chennai	Guest Lecture 14/9/2023	Industry Collaboration
4.	Mr. M. Suman Dhas	Chief Engineering Manager, M/s.L&T Construction Chennai.	Guest Lecture 3/10/2023	Industry Collaboration
5.	Mr. A. Selvam	Managing Director, M/s. Land Coordinates Technology, Chennai.	Hands on Training 10/10/2023	Industry Collaboration
6.	Ms. Krishnapriya A	Environmental Engineer and Co-founder, M/s. Spreco Recycling Pvt. Ltd, Chennai	Seminar 9/11/2023	Industry Collaboration
7.	Dr.Prawin.J	Senior Scientist, CSIR – Structural Engineering Research Centre, Taramani, Chennai	Guest Lecture 16/2/2024	Research Institute Collaboration
8.	Mr.Ganesh Kumar	Senior Application Engineer M/s.Techapps Consulting, Chennai	Guest Lecture 21/2/2024	Industry Collaboration
9.	Mr.Joseph Mathew	Chairman, Indian Plumbing Association (IPA), Chennai	Guest Lecture 27/2/2024	Academic Collaboration
10.	Dr.S.Ningshen	Head, CSTD & CEPS, IGCAR, Kalpakkam	Workshop 8/3/2024 & 9/3/2024	Government Sector Collaboration

11.	Dr. S.C. Vanithakumari	SO/F, Corrosion Science & Technology Division, IGCAR, Kalpakkam	Workshop 8/3/2024 & 9/3/2024	Government Sector Collaboration
12.	Dr.S.Rangarajan	Former Head, Water & Steam Chemistry Division, BARCF, Kalpakkam	Workshop 8/3/2024 & 9/3/2024	Government Sector Collaboration
13.	Dr. Radhakrishna G Pillai	Professor, Department of Civil Engg, IIT Madras, Chennai	Workshop 8/3/2024 & 9/3/2024	Academic Collaboration
14.	Dr. T.M. Sridhar	Assistant Professor & Head (i/c), Dept of Analytical Chemistry, University of Madras, Chennai	Workshop 8/3/2024 & 9/3/2024	Academic Collaboration
15.	Dr. S. Ramanathan	Professor, Dept. of Chemical Engg, IIT Madras, Chennai	Workshop 8/3/2024 & 9/3/2024	Academic Collaboration
16.	Dr.Sekhar Raghavan	Director, Rain Centre, Adyar, Chennai	Guest Lecture 21/3/2024	Industry Collaboration
17.	Dr. K. Swaroop Krishnan	Senior Vice President, M/s. Bharathi Meraki, Chennai	Guest Lecture 2/4/2024	Industry Collaboration
18.	Ms. Elakeya Umashankar	Structural Engineer & CEO M/s. S&J Engineering Services, Chennai	Guest Lecture 24/4/2024	Industry Collaboration
19.	Er. Kaka Mohammed Suhaib	Managing Director M/s. Samsco Construction, Chennai.	Guest Lecture 25/4/2024	Industry Collaboration
20.	Er. Saqlane Mehdi Kalve	Earthworks Field Engineer – M/s. KIEWIT, Toronto, Canada	Webinar 26/4/2024	Industry Collaboration
21.	Mr. Rajesh Thangaraj	Senior Consultant, M/s. Land Coordinates Technology (LCT), Chennai	Guest Lecture 30/4/2024	Industry Collaboration
22.	Mrs. Sowmya K. R	BIM Specialist, CADD Centre, West Tambaram, Chennai.	Guest Lecture 29/4/2024	Industry Collaboration

30. Any other academic relevant information



Dr. Gajalakshmi P, receiving an Out Standing Concrete Teacher Award 2023 on 09.01.2024



Dr. Mohd Umar, a research scholar has received an Out Standing Thesis Award 2023 with his supervisor Dr.M.S.Haji Sheik Mohammed, Professor & Dean, School of Infrastructure, B.S.Abdur Rahman Crescent Institute of Science and technology, Chennai on 09.01.2024.



Dr.M.S.Haji Sheik Mohammed, Dean, School of Infrastructure has been honoured as a guest speaker by BUILDERS ASSOCIATION OF INDIA, TAMBARAM CENTRE in a Technical Seminar on Durable Construction : Need for Corrosion Protection & Water Proofing on 22.05.2024.

- Ph.D Degree Awarded**

The school of Infrastructure has awarded 12 Ph.D. degree during the academic year including the faculty members and other scholars.

S. No	Name of the scholar	RRN	Research Topic	Supervisor	Month & Year of awarding
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1	Mr. Donald Kwabena Dadzie	190803704001	Study on the Performance of Bubble Deck Slabs Incorporated with Agro-Waste filled Plastic Bottles	Dr.A.K.Kaliluthin	July 2023
2	Ms. Pamila Ramesh	1380119	Adsorptive Removal of Basic Dyes from Aqueous Solution using Modified Agro Wastes	Dr.Vasanthi P	July 2023
3	Mr. Mohd Umar	170803707001	Investigation on durability and antimicrobial resistance of Cementitious systems for use in marine conditions	Dr.M.S.Haji Sheik Mohammed	July 2023
4	Ms. C. Pavithra	170803704001	Structural Performance of Hybrid FRP-Concrete-Steel Double-Skin Tubular Columns under Axial Compression Loading	Dr.J.Revathy	August 2023
5	Ms. P. Krithika	170803104002	Behaviour of Steel Tubular Columns Filled with PVA Fiber Reinforced Expansive Cement Concrete under Axial Compression	Dr.P.Gajalakshmi	August 2023
6	Mr. K.C. Vinu Prakash	170803104004	Construction Noise Measurement and Assessment of Workers Noise Perceptions and Safety Behaviour'	Dr.K.Yogeswari	September 2023
7	Ms. M. Ajona	140803104004	Bio-Remediation of Petroleum Contaminated Soil using Recombinant Microbial Strain	Dr.Vasanthi P	September 2023
8	Mr. V. Varun kumar	200803701001	Behaviour of Lightweight Self-compacting Geopolymer Concrete Filled FRP Composite Columns	Dr.P.Gajalaksmi	November 2023
9	Mr.Y.Ibrahim	150803104004	Treatment of Cottage Textile Dyeing Industry Effluent by Novel Natural Coagulation cum Adsorption Process	Dr.Vasanthi P	November 2023
10	Mr.M. Ayisha Sidiqua	160803104003	Development and performance evaluation of novel composite photocatalyst for the treatment of textile dyes	Dr.V.S Priya	November 2023
11	Ms.Roopu V.	130803704003	Corrosion Protection and Service Life Extension of Reinforced Concrete Roofing Systems in Existing Buildings.	Dr.M.S.Haji Sheik Mohammed	November 2023
12	Ms. K. Kanmani	140803704001	Estimation and assessment of soil moisture for heterogeneous crop regions using SAR polarimetric data	Dr.Vasanthi P	May 2024

31. Photographs with relevant captions for Important Activities



Mr.Mohammed Safwan and Mr.Amrees Kishore of Crescent Badminton Men Team have won the match against MCC, organized by the TNPE Sports University a State Level Tournament during August 2023.



Mr.Mohammed Safwan and Mr.Amrees Kishore of Crescent Badminton – Men Team has won the finals and secured a TITLE As WINNER Of The Prestigious STATE LEVEL IIT – MADRAS TOURNAMENT 2023, during September 2023.



Mr. Safeer Jassim, Final year B.Tech. Student received the best student award from the Institute of Engineers (India), Kanchipuram Local Centre on 30.10.2023



Guest Lecture on “Sustainable Construction Technologies – A Way Forward”, by Dr. Shweta Goyal, Professor, Department of Civil Engineering from Thapar Institute of Engineering & Technology, Patiala, Punjab on 27.07.2023



Workshop on “Computer Application in Civil Engineering” on 30.08.2023



Royal Charter Day Celebration - Guest lecture on the topic, “Construction Insights (Buildings)” which was delivered by the guest speaker Mr.N.Kalyanaraman Chief Operating Officer, M/s. Navin Housing & Properties (P).Ltd. Chennai, on 14.09.2023.



Guest lecture on “Advanced Construction Technology in Infrastructure Projects “by Mr. M. Suman Dhas, Chief Engineering Manager, L&T Construction Chennai on 03.10.2023



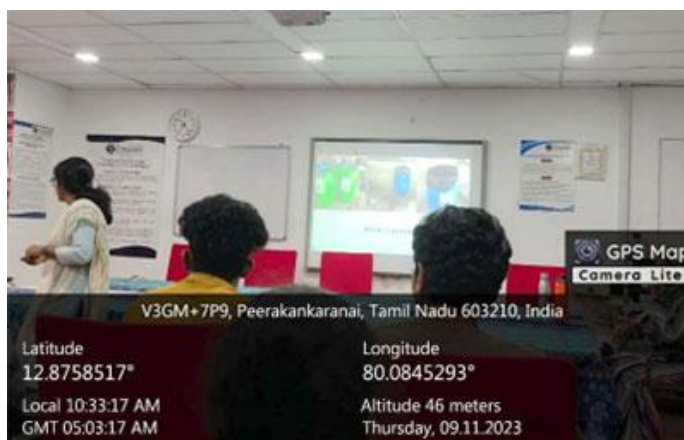
Workshop on “DGPS, Drone and LIDAR: The Future of Surveying Technologies by Mr.Selvam, Managing Director at M/s. Land Coordinates Technology, Chennai, on 10.10.2023.



Inauguration of Professional Society Activities by Dr. Deepak K. Kamde, UKRI Research Fellow at the University of Leeds, UK on 11.10.2023



Technical debate competition on “Decarbonization of Concrete Manufacturing through: Optimizing Cement Production vs. Replacing Cement with Alternatives” during 02.11.2023 & 03.11.2023



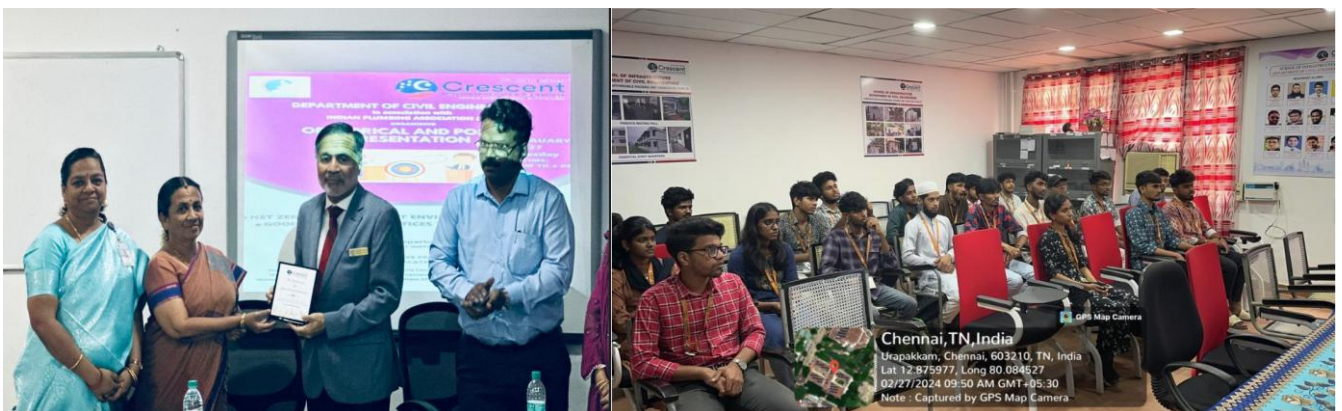
Seminar on Solid waste management and its potential job opportunities by Ms. Krishnapriya A. an environmental engineer and co-founder of Spreco Recycling Pvt. Ltd, Chennai on 09.11.2023.



Guest lecture on SEISMIC ANALYSIS & DESIGN OF STRUCTURES (IS1893- DRAFT2023) on 16.02.2024.



Two Days Workshop on E-Tabs by Mr.Ganesh Kumar (Hands-on training session) during 21.02.2024 & 22.02.2024.



Inauguration & Students Participation in Oratorical & Poster presentation event under the two themes “Net zero water in built environment” and “good plumbing practices to save water”, on 27.02.2024.



3rd Two-day workshop on “Electrochemical Corrosion Techniques: Theory and Hands-on Training”, during 08.03.2024 & 09.03.2024.



World Water Day Celebration 2024 - Guest Lecture on the theme Water for Peace held on 21.03.2024.



Guest Lecture on “Structural Analysis of Building: Issues & Challenges”, held on 24.04.2024.



Guest lecture on “Quantity Surveying and Building Estimation”, held on 25.04.2024.



Guest Lecture on “Safety Management in Construction”, held on 26.04.2024.



Guest lecture on “Application of Remote Sensing in Civil Engineering Field”, held on 30.04.2024.