







CIVIL BUZZ

Accreditation & Rankings

- Ranked 86th in Engineering Category by NIRF in the year 2024.
- Accredited by NAAC with Highest grade A++.
- Accredited by NBA under Tier 1 category since 2018.
- Recognized as Category I Deemed to be University by UGC.
- University of the Year 2023 by Higher Education Review.
- Ranked in the Band 651-700 in QS Asia University Rankings 2023.

Specific Achievements

- 90% of faculty members are with doctoral qualification from eminent Institutions like IISc, State University.
- → Faculty members have published 23 papers in per reviewed International Journals (WoS 5 & Scopus 18) and attended 6 events.
- Presented 7 papers in International Conferences and Published 1 Book Chapters & 3 Books.
- Indian IPR Patent Published: 6, Design Application Registered: 1.
- Consultancy works was conducted for a worth of Rs. 3,96,849.

Department Vision

To impart knowledge and excellence in Civil Engineering with global perspectives to the student community and to make them ethically strong engineers to build the nation.

Department Mission

- To produce Civil Engineers of high calibre with advanced technical skills and ethical values to serve the society and the nation.
- To make the Department as a centre of excellence in the field of Civil Engineering and allied research activities.
- To provide knowledge base and consultancy services to the community in all areas of Civil Engineering.
- To promote innovative ideas with original thinking in the minds of budding Engineers to face the future challenges.

CIVIL - News Letter (September to December 2024), Issue 3, January 2025



Newsletter – Published by Department of Civil Engineering, School of Mechanical & Construction

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ABOUT THE DEPARTMENT

The Department of Civil Engineering was started in the year 2009 and it offers B.Tech. Programme, M.Tech Programme (Structural Engineering and Environmental Engineering), and Ph.D Programme. The Department has 20 faculty members (most of them with Ph.D. qualifications). The department has been accredited by NBA (Tier I). Most of the faculty members are fellow and member of professional bodies in various fields of Civil Engineering covering the areas of concrete, soil mechanics, water resources and remote sensing. Faculty members continuously update their knowledge by attending training programmes at IISc and other premier Institutions. Active participation of the faculty members in research, consultancy services & sponsored research activities help them to interact with industries and demonstrate the application of concepts in field and improve the teaching learning activities of the department.

HOD'S MESSAGE



Dr. A. Geetha Selvarani Professor & Head – Civil Engineering

Greetings! It is an immense gratification in producing this newsletter-Civil prominence in all the academic related activities and events organized by the Civil Engineering department. I thank the faculty members and students for their incessant support and encouragement throughout the year in all the ways as usual, which is the prime tractive force of the Department. This news letter covers the substantial number of Guest Lectures delivered by national and international Professors and hands on training by industry experts which are more helpful in sharing ideas pertaining to recent trends and knowledge for the benefit of students and faculty members. Further Faculty members input in effective teaching learning, Implementation of active Learning Methods, their research activities, article publication in reputed Journals, patent filling have been reported.

Activity Based Learning



Hands on Technology

was implemented in the course "Geographical Information System" handled by Dr. A. Geetha Selvarani



Presentation based Learning

was implemented in the course "Water Supply Engineering" handled by Dr. K. Tamilarasan



Data and Tools for Problem solving

was implemented in the course "Design of Reinforced Concrete Elements" handled by Dr. M. Vinod Kumar



Learning by Doing

was implemented in the course "Strength of Materials I" handled by Dr. S. Samson



Participation based Learning

was implemented in the course "Concrete Technology" handled by Dr. J. Cici Jennifer Raj



Sketchnoting

was implemented in the course "Structural
Analysis-I" handled by

Dr. A. Chithambar Ganesh











The Inauguration of "Infrastructure Material Testing Center (IMTC)" took place on 13.09.2024. The event was a significant milestone for the department, showcasing its commitment to enhancing academic and industry collaboration, as well as providing cutting-edge testing facilities for infrastructure materials.





The Four Days Value Added Course on "Experimental learning on coordinate and elevation measurement by Electronic Total Station" was conducted during 04.09.2024 to 07.09.2024 to the second year undergraduate students to practice the Total Station instrument to enhance the skill in modern surveying. The training was provided by

Mr. C. Selvaraj

Managing Director

Athira Geo Spatial Service Pvt. Ltd. Chennai.

The Two Days Workshop on "Design of RC Structural Elements using STAAD Software" was conducted during 26.09.2024 to 27.09.2024 to the final year undergraduate students for their career opportunities. The training was provided by

Mr. Balamourougane

Managing Technical for Lavinsree Consulting, Puducherry.

Mr. Rajesh Kumar

Director Technical Sales, TechApps Consulting Services, Chennai.

Mr. R. Ganesh Kumar

Senior Structural Engineer, TechApps Consulting Services, Chennai.







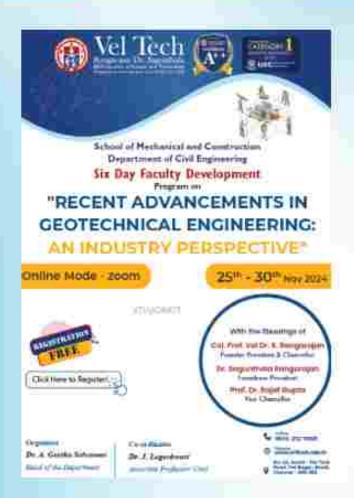
The One Day Hands on Training in "Programming and Al Systems for Civil Engineering Applications" was conducted on 09.10.2024 to the third year undergraduate students to gain knowledge in Artificial Intelligence and its applications. The training was provided by

Mr. M. Ramesh Kannan Assistant Professor

Anna University, Chennai.



Events Organized for Faculties



The Five Days Faculty Motivation Programme "DISRUOTIVE SUSTAINABLE INNOVATIONS IN WASTEWATER TREATMENT: A WAY FORWARD" organized during 16.12.2024 to 20.12.2024 for the faculty members and research scholars from around India to enhance their knowledge in Environmental Engineering. The resource persons from eminent industries institutions.

The Six Days Faculty Motivation Programme "RECENT ADVANCEMENTS IN GEOTECHNICAL ENGINEERING: AN INDUSTRY PERSPECTIVE" was organized during 25.11.2024 to 30.11.2024 for the faculty members research scholars from around enhance India to knowledge in Geotechnical Engineering. The resource persons from eminent industries and institutions.



Internship

The following final year undergraduate students were undergone "Internship" to the reputed industries for their "Minor Project" work.

S. No.	Name of the Student	Company Details	
ì.	V Ramalingam	City Constructie (P) Ltd, Andam	
2.	Sanjay Kumar Shrestha	Ishworpur Municipality, Nepal	

Industrial Visit



The undergraduate students of Civil Engineering programme went Industrial Visit to Construction of Commercial Building (G+9), Jaffar Sarang Street, Chennai on 25.10.2024. The students learned about the latest technology used for construction of multistoried buildings.

The undergraduate students of Civil Engineering programme went Industrial Visit to VRMX Concrete Pvt Ltd, Poonamallee, Chennai on 03.09.2024. The students learned about the RMC technology and its process in the factory.



Ph.D. Awarded



Scholar	Mrs. Razan Alzein	
Supervisor	Dr. M. Vinod Kumar, Prof.	
Thesis Title	AN INVESTIGATION ON WASTE FIBER REINFORCED CONCRETE VOIDED SLABS WITH DIFFERENT PROFILED STEEL DECKING	
Date	18.12.2024	



Scholar	Mr. S. Shabarish	
Supervisor	Dr. K. Tamilarasan, Assoc. Prof.	
Thesis Title	INTENSIFICATION EFFECT OF COMBINEDLIQUEFACTION ON MACROALGAE: AN ENERGYEFFICIENT BIOHYDROGEN PRODUCTION	
Date	27.09.2024	

Ph.D. Awarded



Scholar	Mrs. Jayadurgalakshmi	
Supervisor	Dr. S. Kandasamy, Prof.	
Thesis Title	THE SYNERGISTIC EFFECT OF PUMICE CENOSPHERE AND COAL BOTTOM ASH ON THE MECHANICAL AND DURABILITY PROPERTIES OF SUSTAINABLE CONCRETE	
Date	27.09.2024	



Scholar	Mr. S. Baskar	
Supervisor	Dr. K. R. Aswin Sidhaarth, Prof.	
Thesis Title	EXPLORATION OF PODERED CLAMSHELL AS A SUSTAINABLE ADSORBENT FOR REMOVAL OF NICKEL ANS MERCURY FROM AQUEOUS SOLUTION	
Date	25.09.2024	

Events Attended

Events - More than or equal to 5 days

S. No.	Name of the Faculty	Event Details	
1.	Dr. A. Chithambar Ganesh	FDP on Advanced Materials and Techniques for the Repair and Strengthening of Concrete Structures organized by R.V.R. & J.C. College of Engineering, Andhra Pradesh, from 23rd – 27th September 2024.	
2.	Dr. J. Logeshwari	FDP on Disruptive Sustainable Innovations in Wastewater Treatment: A Way Forward organized by Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and technology, Chennai, from 16th — 20th December 2024.	
3.		FDP on Advanced Technologies and Innovations in Civil Engineering, organised by Easwari Engineering College, Chennai from 17th – 21st December 2024	
4.	Dr. J. Cici Jennifer Raj	Webinar series on Construction, Assessment and Retrofitting of Structures, organised by SR University, Warangal from 21st – 25th October 2024	
5.	Dr. J. Shanmugapriya STTP on NEP 2020 Orientation Sensitization Programme by In Gandhi National Open University, N Delhi from 16 th – 24 th December 2024		

Consultancy

S.No.	Name of the Faculty & Period	Project Title	Organization	Amount (Rs.)
1.	Dr. M. Vinod Kumar Dr. G. Kumar Mr. S. Baskar SEPTEMBER 2024	COMPREHENSIVE THIRD-PARTY SITE INSPECTION	SUGALI ENTERPRISES PVT LTD. CHENNAI	11,800
2.	Dr. M. Vinod Kumar Dr. G. Kumar Dr. S. Baskar NOVEMBER 2024	COMPREHENSIVE THIRD-PARTY SITE INSPECTION	CITY MUNICIPAL CORPORATION DINDIGUL	1,80,000
3.	Dr. M. Vinod Kumar Dr. G. Kumar Dr. S. Baskar NOVEMBER 2024	COMPREHENSIVE THIRD-PARTY SITE INSPECTION	AVADI CORPORATION TAMILNADU HOUSING BOARD CHENNAI	23,600
4.	Dr. M. Vinod Kumar Dr. G. Kumar Dr. S. Baskar NOVEMBER 2024	AUTOCAD DRAWING FOR THE LAYOUT OF THIRUMAZHISAI TOWN	ATHIRA GEOSPATIAL SERVICES PVT LTD. CHENNAI	11,800
5.	Dr. S. Samson Dr. M. Vinod Kumar NOVEMBER 2024	DESIGN OF DESIGN OF FAECAL SLUDGE TREATMENT PLANT AT VALLUR, MINJUR	BLOCK DEVELOPMENT OFFICER, MINJUR, CHENNAI	44,250
6.	Dr. S. Samson Dr. M. Vinod Kumar NOVEMBER 2024	DESIGN OF 1 LAKH AND 60 THOUSAND LITRES CAPACITY CIRCULAR WATER TANK RESTING ON GROUND, MINJUR	BLOCK DEVELOPMENT OFFICER, MINJUR, CHENNAI	54,599
7.	Dr. S. Samson Dr. S. Baskar DECEMBER 2024	DESIGN OF PROPOSED COMMUNITY HALL BUILDING (G+1), MINJUR	BLOCK DEVELOPMENT OFFICER, MINJUR, CHENNAI	70,800

Interaction with Outside World

S.No.	Name of the Faculty	Nature of Interaction	Organization	Date
1	Dr. S. Samson	Keynote Speaker AICTE and ISTE Sponsored Short-Term Training Program (STTP) on Recent Trends in Sustainable Construction Practices in Civil Engineering	Shivajorao S. Jondhie College of Engineering and Technology, Tahne, Maharastra	11.07.2024
2.	Dr. M. Vinod Kumar	Keynote Speaker AICTE and ISTE Sponsored Short-Term Training Program (STTP) on Recent Trends in Sustainable Construction Practices in Civil Engineering	Shivajorao S. Jondhie College of Engineering and Technology, Tahne, Maharastra	10.07.2024
3.	Dr. M. Vinod Kumar	Keynote Speaker Faculty Development Program on "Innovations in Energy, Environmental Sustainability & Material Science"	Sri Ranganathar Institute of Engineering and Technology, Coimbatore, Tamil Nadu	22.11.2024
4.	Dr. M. Vinod Kumar	Keynote Speaker AICTE and ISTE Sponsored Short-Term Training Program (STTP) on Recent Trends in Sustainable Construction Practices in Civil Engineering	Shivajorao S. Jondhle College of Engineering and Technology, Tahne, Maharastra	27.12.2024
5.	Dr. M. Vinod Kumar	External Examiner (Subject Expert) for Ph.D. viva voce examination	Saveetha Institute of Medical and Technical Sciences (SIMATS), Chennal, Tamil Nadu	28.10.2024

Interaction with Outside World

S.No.	Name of the Faculty	Nature of Interaction	Organization	Date
6.	Dr. S. Kandasamy	Keynote Speaker Technical seminar on "The significance and role of surface quality of Concrete"	A.K.T. memorial College of Engineering and Technology, Tamil Nadu	08.10.2024
7.	Dr. A. Chithambar Ganesh	Keynote Speaker Guest Lecture on "Concrete Technology"	Sri Ranganathar Institute of Engineering and Technology, Coimbatore, Tamil Nadu	25.10.2024
8.	Dr. A. Chithambar Ganesh	Keynote Speaker Faculty Development Program on "Innovations in Energy, Environmental Sustainability & Material Science"	Sri Ranganathar Institute of Engineering and Technology, Coimbatore, Tamil Nadu	23.11.2024
9.	Dr. A. Chithambar Ganesh	Keynote Speaker Faculty Development Program on "Advanced Materials and Techniques for the Repair and Strengthening of Concrete Structures"	R.V.R and J.C. College of Engineering, Guntur, Andra Pradesh	23.09.2024



The following articles are indexed in "Web of Science"

- Sridhar, M., & Kumar, M. V. (2024). Structural and Sustainability Enhancement of Composite Sandwich Slab Panels Using Novel Fibre-Reinforced Geopolymer Concrete. Journal of Composites Science, 8(11), 479.
- Udhaya Kumar, T., Vinod Kumar, M., Salunkhe, S., & Cep, R. (2024). Evaluation of non-destructive testing and long-term durability of geopolymer aggregate concrete. Frontiers in Built Environment, 10, 1454687.
- Udhaya Kumar, T., Vinod Kumar, M., Salunkhe, S., Cep, R., & Abouel Nasr, E. (2024). Impact of geopolymer aggregate on the mechanical properties and durability characteristics of concrete. Frontiers in Built Environment, 10, 1445954.
- Vinod Kumar, M., Alzein, R., Prakash, R., Serkan Kirgiz, M., Manikandan, D., Ramaswamy, S., & Krishnaraj, R. (2024). Comparative analysis of a novel lightweight composite-vold steel deck slab and conventional solid slab: Force carrying capacity, deflection, failure patterns, ductility and stiffness. Journal of Industrial Textiles, 54, 15280837241301434.
- Sharmila, V. G., Kumar, M. D., & K. Tamilarasan. (2024). Machine Learning-Driven Advances in Metal-Organic Framework Nanomaterials for Wastewater Treatment: Developments and Challenges. Separation & Purification Reviews, 1–21.





The following articles are indexed in "Scopus"

- SathishKumar, G., Prashanth, K. S., Khatoon, U. T., Selvarani, A. G., Sridhar, R., Sivabalan, S., & Baskar, S. (2024). Investigation of mechanical properties, viscoelastic properties and free vibration analysis of natural fibre reinforced composite materials. Interactions, 245(1), 321.
- Bala Dhandayuthapani V., Moumita Pal, Geetha Selvarani A., Bharath raj K., Ch Raghava Prasad ,.Hazee Shabbeer Basha K (2024) Synergistic Fusion of Ultrasound Image Augmentation, Ensemble Learning, and Transfer Learning for Robustness Against Overfitting in Machine Learning Model Technique', Frontiers in Health Informatics, 13 (4), 1142-1149
- Sisupalan, S., Kumar, A. G., Bari, A. J., & Ushapriya, B. T. (2024, November). Compressive strength prediction of RMC plant waste incorporated concrete using ANN. In AIP Conference Proceedings (Vol. 3192, No. 1). AIP Publishing.
- Kandaswamy, S., Shanmugam, B., Munuswamy, M. G., Thirumoorthy, P., Ashokkumar, L., & Sisubalan, S. (2024). A comprehensive study on microbial self-healing concrete for sustainable construction. Matéria (Rio de Janeiro), 29(2), e20240181.
- Omran, S., Sisupalan, S. (2024). Effect of Replacing Natural Aggregate with Plastic Aggregate on the Mechanical Properties of Concrete-Review. Civil and Environmental Engineering Reports, 34(4), 462-482.
- Anish, V., Logeshwari, J., & Samson, S. (2024). Evaluation of Durability Characteristics on Hybrid Fibre Reinforced High-Performance Concrete Incorporated with Graphene Oxide. Iranian Journal of Science and Technology, Transactions of Civil Engineering, 1-24.
- Mamidi, R. V., Luapongchu, R., Zhimomi, C. N., & Muthu, V. K. (2024, November). Feasibility studies on self curing fibre reinforced concrete. In AIP Conference Proceedings (Vol. 3192, No. 1). AIP Publishing.
- Alzein, R., Kumar, V., Kumar, R., & Gurumoorthy, G. (2024, November).
 Recent trends in fiber reinforced composites. In AIP Conference Proceedings (Vol. 3192, No. 1). AIP Publishing.

- Kumar, M. V., Kumar, K. R., Gurumoorthy, N., & Muthukannan, M. (2024, November). State of art on implementation of different types of fine aggregates for clean and sustainable environment. In AIP Conference Proceedings (Vol. 3192, No. 1). AIP Publishing.
- Alzein, R., Kumar, M. V., Kumar, K. R., & Gurumoorthy, N. (2024, November). State-of-art-review of current trends in composite slabs. In AIP Conference Proceedings (Vol. 3192, No. 1). AIP Publishing.
- Raman, J. V. M., Somiyadevi, P., & Kandasamy, S. (2024). Evaluation of Various Treatment Methods for Enhancing the Recycled Aggregate Concrete. International Journal of Pavement Research and Technology, 1-19.
- Ebrahim, A., Kandasamy, S., Isleem, H. F., Khan, A. H., Prasad, C., Mohammed, A. S., & Alyaseen, A. (2024). Synergistic effects of combined multi-walled carbon nanotubes and glass fibers on concrete: experimental and economic analysis. Fullerenes, Nanotubes and Carbon Nanostructures, 1-17.
- Selvakumar, S., Soundara, B., Raj, N., & Kulanthaivel, P. (2024). Microstructural investigation on the expansive soils for sustainable stabilization purposes. Discover Soil, 1(1), 8.
- Vasumathi, M., Begum, S. R., Balaji, N., Kalaimagal, S., Jessie, J. A., Shankar, K. V., & DhilipKumar, T. (2024). Assessing the mechanical and vibrational response of hybrid metal-fibre sandwich panels fabricated with additively manufactured core structures. Progress in Additive Manufacturing, 1–11.
- Kumaresan, A., Krishna Kumar, P., Shanmugapriya, J., & Al Khazaleh, M. (2024, December). Utilization Potential of Waste Bittern from Sea Brine, Subsoil Brine and Backwater Brine as Fertilizer for Amaranthus Tender. In Materials Science Forum (Vol. 1143, pp. 103-112). Trans Tech Publications Ltd.
- Durai, T., Kandasamy, S., Rao, K. J., Samal, S. P., & Jangir, P. (2024).
 Innovative Blends of GGBFS, Metakaolin, and Alccofine for Enhanced Mechanical Properties in Green Concrete, MM Science Journal.
- Mayan, S. S., Kollu, D., Uppara, R. B., Annadurai, S., Pandian, A., & Sellamuthu, B. (2024). Prediction of durability parameters on concrete containing ceramic waste as coarse aggregate using neural network. Matéria (Rio de Janeiro), 29, e20240559.

Conference Presentation

Details of Conference	Presentation Title	Faculty Name
International Conference on Emerging Trends in Business Analytics & management Sciences IIT Bombay. December 12-14, 2024	Improving Structural Prediction Accuracy in GFRP-retrofitted Hybrid Fiber Concrete Beams Using a Fused ML Discriminant Model	Dr. M. Vinod Kumar
International Conference on Smart Materials for Green Energy and Environment Crescent Institute of Science & Technology, Chennal. December 11-12, 2024	Sustainable concrete solutions using bacterial Geopolymerization of Industrial By-Products	Dr. S. Kandasamy
International conference on Environmental Science and Technology NIT, Surat. December 19-21, 2024.	Investigation on the Effect of Glass Fibre over GGBS based Geopolymer Concrete under Ambient Curing Sustainable Concrete Construction material using Zeolite and Nano Alumina Techno-energy assessment in combined solubilization approach for energy efficient biohydrogen generation from marine macroalgae	Dr. A. Chithambar Ganesh Dr. J. Anita Jessie Dr. K. Tamilarasan
International conference on Green Energy, Environmental Engineering and Sustainable Technologies Shri Shankaracharya Technical Campus (SSTC), Bhilai. November 29-30, 2024.	Durability and microstructure analysis of Ultra fine slag blended flyash based Self Compacting Geopolymer Concrete Investigation on the effects of Glass Fibers over GGBS based Geopolymer Concrete under Ambient Curing	Dr. A. Chithambar Ganesh

Conference Presentation

Details of Conference	Presentation Title	Faculty Name
International conference on Recent Advances in Materials and Manufacturing Velalar College of Engineering and Technology, Erode, November 29-30, 2024.	Sustainable Concrete: Durability Assessment with Bottom Ash and Used Foundry Sand Exploring the Mechanical Behaviour of Used Foundry Sand and Bottom Ash as Sustainable Alternatives in Concrete Mixtures Improving Durability Properties of High-Performance Concrete by Using Alccofine and Glass Powder A Comparative Study of Reinforced Cement Concrete and Fibre Reinforced Concrete Beams	Dr. A. Chithambar Ganesh
International conference on Structural Engineering NIT Trichy. December 12-14, 2024	Analytical Investigation of Steel frame with and without Fluid Viscous Dampers Subjected to after Shocks Earthquake in North India.	Dr. J. Cici Jennifer Raj







IIT Bombay

NIT Trichy

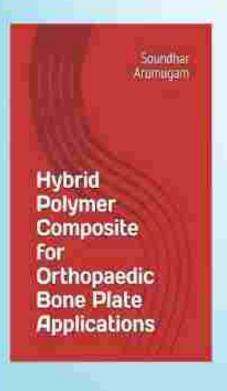
NIT Surat

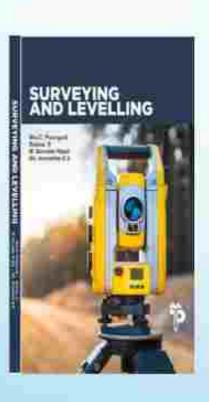
Book Chapters

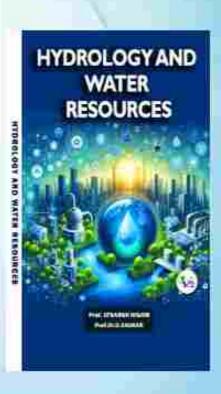
A. Geetha Selvarani (2024). Innovative Strategies for a Cleaner Future:
 Air Quality Challenges - Emerging Trends in Multidisciplinary
 Engineering: A Comprehensive Overview, SRR Publishing Research, ISBN: 978-81-970420-0-3.

Book

- Dr. J. Anita Jesie (2024). Hybrid polymer composite for orthopaedic bone plate applications, ISBN: 979-8305428827.
- Dr. S. Baskar (2024). Hydrology and Water resources, Scientific International Publishing House.
- Dr. S. Baskar (2024). Surveying and Levelling, Taran Publication. ISBN: 978-93-48149-27-5 1.







IPR - Patent

S.No.	Inventors Name in Vel Tech	Name of the Invention	Application No. & Date	Granted / Published				
Design Application - Registered								
1.	DR. M. VINOD KUMAR Faculty RAZAN ALZEIN Research Scholar	Channel waste plastic fiber as reinforcing fiber in concrete	411451-001 & 23/12/2024	Registered				
	Patent - Published							
1.	Dr. M. VINOD KUMAR Faculty MR. M. Sridhar Research Scholar	Nylon fibre for reinforcing concrete or mortar having a flattened end	202441070897 & 04/10/2024	Published				
2.	DR. M. VINOD KUMAR DR. A. CHITHAMBAR GANESH Faculty MR. B. L. NIRANJAN REDDY Research Scholar	Cassava Peel Ash as a Sustainable Cementitious Material	202441080120 & 25/10/2024	Published				
3.	MR. T. UDHAYAKUMAR Faculty	Development of Geopolymer Interlocking Blocks using Coal Washery Waste Binder and Construction and Demolition Waste Filler Material	202441104104 & 13/09/2024	Published				
4.	DR. J. SHANMUGAPRIYA Faculty	A method to Reduce Shrinkage Cracking in Self Compacting Concrete	202441074790 & 11/10/2024	Published				
5.	DR. K. R. ASWIN SIDHAARTH Faculty MR. M. SRIRAM Research Scholar	Composite Concrete Composition and Method of Preparation Thereof	202441081509 & 01/11/2024	Published				
6.	DR. S. BASKAR Faculty	Synthesis of Iron Nanoparticles Using Jujube Leaf Extract for Dye Effluent Remediation	202441081509 & 08/11/2024	Published				

Funded Projects

The following five faculty members were submitted their research proposals to various funding agencies for the AY 2024-2025 during September-December 2024.

Name of the Faculty	Project Title	Funding Agency	Amount (Rs.)
Dr. M. Vinod Kumar (PI) Dr. A. Chitambar Ganesh (Co-PI)	Concrete Voided Steel Deck Slabs	Science and	4,71,800
Mr. T. Udhayakumar (Co-PI)	Demonstration of Blue Hydrogen Production From petcoke using an integrated anaerobic reactor and catalytic thermal; decomposition biomethane reactor and value- added byproducts in pilot plant	DEPARTMENT OF BIOTECHNOLOGY	98,86,020
Dr K K Gaayathri (PI) Dr J Anita Jessie (CO-PI)	Development of sustainable high performance light weight concrete incorporating nano materials		4,40,000
Dr J Anita Jessie (PI) Dr K K Gaayathri (CO-PI)	Harnessing Banana st Ash and Industrial Residues for Eco- Consicious Biomass Brick Production	Tamil Nadu State Council for Science and Technology (TNSCST)	4,55,000
Dr J Anita Jessie (CO-PI)	Development of Sustainable and Organic Food Packaging Materials from Banana leaves for food package Industries	Science and	4,20,000
Dr J Anita Jessie (PI)	Development of Biomass Brick Production Hatnessing Musa Acuminata Ash	National	32,51,512



Dr. J. Shanmugapriya (PI) and Dr. A. Chithambar Ganesh (CO-PI) received Seed Research Fund Rs. 1,50,000 for the project entitled "Evaluating the Efficacy of Kenaf Fibre as Internal Curing Agent for Self Compacting Concrete"

Placements

S.No.	Name of the Student	Name of the Company	Salary
i ₅	VRAMALINGAM	City Constructie (P) Ltd, Andaman	2.4 Lakh Per Annum
2.	GUTHIREDDY JAYANTH REDDY	Trispace Design Private Limited, Chennai	1.2 Lakh Per Annum
3.	YERRAMSETTY JETENDRA	Milekal Engineering Pvt., Ltd., Hyderabad	4.8 Lakh per Annum

- Omran, S (Research Scholar Full Time) (2024). Effect of Replacing Natural Aggregate with Plastic Aggregate on the Mechanical Properties of Concrete-Review. Civil and Environmental Engineering Reports, 34(4), 462-482. (Supervisor: Dr. S. Samson)
- Anish, V., (Research Scholar Full Time) (2024). Evaluation of Durability Characteristics on Hybrid Fibre Reinforced High-Performance Concrete Incorporated with Graphene Oxide. Iranian Journal of Science and Technology, Transactions of Civil Engineering, 1-24.

(Supervisor: Dr. J. Logeshwari)

- Sridhar, M., (Research Scholar Full Time) (2024). Structural and Sustainability Enhancement of Composite Sandwich Slab Panels Using Novel Fibre-Reinforced Geopolymer Concrete. Journal of Composites Science, 8(11), 479. (Supervisor: Dr. M. Vinod Kumar)
- Alzein, R., (Research Scholar Full Time) (2024). Recent trends in fiber reinforced composites. In AIP Conference Proceedings (Vol. 3192, No. 1). AIP Publishing.

(Supervisor: Dr. M. Vinod Kumar)

 Alzein, R., (Research Scholar – Full Time) (2024, November). State-of-art-review of current trends in composite slabs. In AIP Conference Proceedings (Vol. 3192, No. 1). AIP Publishing.

(Supervisor: Dr. M. Vinod Kumar)

 Ebrahim, A., (Research Scholar – Full Time) (2024). Synergistic effects of combined multi-walled carbon nanotubes and glass fibers on concrete: experimental and economic analysis. Fullerenes, Nanotubes and Carbon Nanostructures, 1-17.

(Supervisor: Dr. S. Kandasamy)

- Raj, N. (Research Scholar Full Time) (2024). Microstructural investigation on the expansive soils for sustainable stabilization purposes. Discover Soil, 1(1), 8. (Supervisor: Dr. S. Selvakumar)
- Alzein, R., (Research Scholar Full Time) (2024). Comparative analysis of a novel lightweight composite-void steel deck slab and conventional solid slab: Force carrying capacity, deflection, failure patterns, ductility and stiffness. Journal of Industrial Textiles, 54, 15280837241301434.

(Supervisor: Dr. M. Vinod Kumar)

Editorial Board

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Dr. K. Tamilarasan – Associate Professor / Civil Engineering

Student Members:

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