

DEPARTMENT OF CIVIL ENGINEERING

Sl. No.	Name of the Faculty	RESEARCH INTERESTS
1.	Dr. G. SWAMINATHAN	Basics of civil engineering, Environmental Engineering, Surveying, water and wastewater engineering
2.	Dr. S. MOSES SANTHAKUMAR	ITS, GIS, Transportation Planning, Network Analysis, Computer Simulation. Developed RAPID, GRADER and MIGRAN Consultancy: Proof checking and road safety audit, Bituminous Mix Design for the Automotive Test Track works of NATRiP and other Highway and Airport Pavements Benkelman Beam Deflection studies Axle Load Spectrum Design of Cement Concrete Pavements for Municipal Bus Stands Testing of bitumen, aggregate and soil
3.	Dr. C. NATARAJAN	Structural design: construction of buildings, bridges and special structures, Forensic Engineering, health monitoring of structures, condition assessment and rehabilitation of structures, recycling of construction and demolition waste.
4.	Dr. P. JAYABALAN	Structural engineering
5.	Dr. P. A. KRISHNAN	Applied Mechanics
6.	Dr. SAMSON MATHEW	Transportation Engineering, Land Use Planning, Traffic Engineering, Pavement Management, Remote Sensing and GIS applications
7.	Dr. K. BASKAR	Structural Engineering. Performed soil investigation for different consultancy works related to construction works.
8.	Dr. S. T. RAMESH	Water treatment for domestic and industrial use, Domestic and Industrial Wastewater Treatment, Biodegradation of Industrial Wastewater, Biochemical processes in wastewater treatment, Anaerobic Wastewater Treatment, Removal of Heavy Metals from Wastewater, Heavy Metal

		Removal and Recovery, Solid waste management, Analysis of solid wastes, Sludge treatment by physicochemical and biological process, Monitoring and management of surface water quality, Environmental Impact and Risk Assessment and Management
9.	Dr. S. JAYALEKSHMI	Geosynthetics, Lunar Simulants, Environmental Geotechnique
10.	Dr. K. MUTHUKKUMARAN	Geotechnical engineering which includes pile foundation, soil-structure interaction, marine geotechnics & foundations, field instrumentation, geotechnical physical modeling, ground improvement and forensic geotechnical engineering
11.	Dr. R. JAYASANKAR	Structural engineering
12.	Dr. R. GANDHIMATHI	Wastewater treatment, Contaminant transport modeling and solid waste management. Reported works are specifically on removal of heavy metals and dyes by adsorption using low cost adsorbents and waste materials, removal of colour and organic pollutants by various advanced oxidation process such as Fenton, electro Fenton, peroxi coagulation etc., leachate treatment by coagulation and electro coagulation and advanced oxidation process, bacterial decolorization of textile azo dyes, experimental investigation and numerical modeling of contaminant transport through saturated soil mass
13.	Dr. NISHA RADHAKRISHNAN	Application of geospatial technology in urban planning with emphasis to land use land cover assessment, Quantifying the Urban Sprawl, Analysing the relation between Landuse and Travel Demand, Site Suitability Analysis For Urban Residential Development, Application of GIS in Logistics Management, Urban Freight modelling, GIS based Pavement Management System and Land use based Urban planning and Modelling of Water Supply and Sewage Pipeline distribution using Geospatial Techniques
14.	Dr. J. KARTHIKEYAN	Concrete structures, Structural analysis and design, High performance concrete materials, High performance prestressed concrete bridges

15.	Dr. V. SUNITHA	Pavement materials and pavement management systems, Transportation Planning & Engineering
16.	Dr. DEENDAYAL RATHODE	Migration of sulfate under different conditions using electro-kinetic method, geosynthesis, removal of fluoride using IISc method
17.	Dr. R. MANJULA	Fluid Structure interaction, Fluid flow problems, Coastal Engineering and fluid flow problems, Breaking wave impacts on coastal and offshore structures
18.	Dr. S. SARAVANAN	Remote Sensing and Hydrology
19.	Dr. R. ARACHELVI	Advanced Construction Technology
20.	Dr. SENTHIL KUMAR R	Earthquake Resistant Design of Structures and Steel – Concrete Composite Structures
21.	Dr. JEEVAN JOSEPH	Geotechnical Engineering
22.	Dr. MARISAMYNATHAN	Road safety and accident analysis, traffic engineering and management, pedestrian and driver behavior modeling, facility design and evaluation, traffic operation and simulation, freight demand modelling.
23.	Dr. RAGHAVAN R	Steel structures, structural mechanics, stability of structures