



**VIT**<sup>®</sup>  
**Vellore Institute of Technology**  
(Deemed to be University under section 3 of UGC Act, 1956)

**School of Civil Engineering**  
**Research Admissions – December 2020**  
**Research Guide Details**

<b>S. No.</b>	<b>Name of the Guide</b>	<b>Area of Research</b>	<b>Mobile Number</b>	<b>VIT mail ID</b>
1	Dr. Muthumani K	Performance based design – Energy Based Design- Passive Energy Dissipation for seismic protection	+91 98407 39594	muthumani.k@vit.ac.in
2	Dr. Sabumon P C	Nutrient removal/ recovery from wastewaters Recycling and Reuse of wastewater Bio-solids Management Waste to energy and material recovery Bio-nanotechnology for pollution remediation and effect of nano-materials on the environment Dye removal from industrial effluents	+91 94422 09647	pcsabumon@vit.ac.in
3	Dr. Elavenil S	Machine learning and DataScience in Materials design, Modeling, analysis and design of Earthquake and impact resistant structural elements composed of reinforced concrete and high performance fiber reinforced cementitious composites.	+91 98402 37492	elavenil.s@vit.ac.in
4	Dr.Saravanan K	Rainfall runoff modeling, Flow and mass transport through porous media; Flood, drought and landslide analysis and management; GIS-based spatial data analysis: Soft computing applications in hydrology.	+91 75986 27374	saravanan@vit.ac.in

5	Dr Mohan K	Marine Micropaleontology, Gas hydrates, Paleoclimatology, Paleooceanography, Engineering Geology (Landslide studies based on GIS) and Climate Changes and Modelling	+91 98947 66976	mohan.kuppusamy@vit.ac.in
6	Dr. Karthiyaini S	Geopolymer Concrete, Alkali activated concrete, Structural behaviour through sensors/strain gauges (IoT devices). Genetic algorithm and Machine Learning approach in geopolymer Concrete.	+91 7092019008	karthiyaini.s@vit.ac.in
7	Dr. Shanmuga Sundaram	Sustainable Building Materials, Special Concrete, Alternative binding materials, embedded with Artificial Intelligence and Pervasive Intelligence-based problems. AI-based solution, through existing data Analytics (Data Science / Big Data). Numerical based and image-based computational concrete mechanics.	+91 7708424048	shanmuga.sundaram@vit.ac.in
8	Dr. Ramesh Kannan M	"Trans-disciplinary research" and "applied fundamental-research". Some of the research works planned aligning trans-disciplinary domain are application of Sensor technologies especially MEMS (Micro-Electro-Mechanical System) and Internet of Things (IoT) in Civil Engineering, Artificial Intelligence (Machine Learning) in Civil Engineering. The applied fundamental research includes developing conceptual framework for Construction Management: Safety Management and Quality Assurance, and novel construction scheduling methodologies or procedures	+91 98403 93307	rameshkannan.m@vit.ac.in

9	Dr. Goutham Sarang	Bituminous mixtures, design and construction. Alternative/Sustainable pavement materials. Soil stabilization for pavements using waste/marginal materials. Field evaluation of pavements/trial road sections. Accident studies and road safety. Intelligent transportation systems(ITS). Traffic congestion issues in urban areas.	+91 90197 73208	goutham.sarang@vit.ac.in
10	Dr. Anjali Gopakumar	Water and wastewater treatment processes Biological nutrient removal process Solid waste management Biosolids treatment/sludge management.	+91 99949 80838	anjali.gopakumar@vit.ac.in
11	Dr. Senthilpandian M	Connection in Cold Formed steel Structures Corrugated web elements Steel Structures Concrete and composite elements.	+91 98846 47224	senthilpandian.m@vit.ac.in