



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

Eligible Research Guide's Details

SCHOOL OF MECHANICAL ENGINEERING

ERP No.	Pfix	Name of the Guide / Supervisor	Designation	Vacancy	Email id	Research Area of Interest
50004	Dr.	Janardhan Reddy K	Professor - Higher Academic Grade	2	kjanardhanreddy@vit.ac.in	New Product Development, Product Lifecycle Management, Circular Economy, Sustainable Design, Reverse Engineering, Design Optimization
50151	Dr.	Sugumaran V	Professor - Higher Academic Grade	4	sugumaran.v@vit.ac.in	Fault Diagnosis, Machine learning/Deep Learning
50167	Dr.	Bhaskara Rao	Professor - Higher Academic Grade	2	bhaskararao@vit.ac.in	Machine Design, Vibrations, Buckling/Stability of systems, Composite Materials & Nanotechnology, Design of Experiments, Applications of FEA
50204	Dr.	Jegadeeshwaran R	Professor Grade 1	2	jegadeeshwaran.r@vit.ac.in	Machine Learning, Condition Monitoring, Machinery Fault Diagnosis
50208	Dr.	Gobinath N	Associate Professor Grade 2	4	gobinath.n@vit.ac.in	Thermo-Structural Analysis, eV Battery Management Systems, Bio-Mechanics Analysis, High Temperature Applications Design
50272	Dr.	Sasikumar M	Professor Grade 2	4	sasikumar.m@vit.ac.in	Composite materials, Characterisation of materials, Impact analysis on composite materials

50302	Dr.	Tamil Selvan P	Professor Grade 1	6	tamilselvan.p@vit.ac.in	Advanced IC Engines, Alternative Fuels, Engine Pollution control and Internal combustion engine combustion analysis
50308	Dr.	Sivarajan S	Associate Professor Grade 2	6	sivarajan.s@vit.ac.in	Machining, Sheet metal forming, Surface coatings
50316	Dr.	Joseph Daniel	Professor Grade 1	1	joseph.daniel@vit.ac.in	Energy Storage, Energy Management, Renewable Energy, Energy Economics
50317	Dr.	Feroskhan M	Associate Professor Senior	4	feroskhan.m@vit.ac.in	Advanced IC Engines Alternative Fuels Thermal Management Emission Analysis
50330	Dr.	Elango M	Associate Professor Grade 2	4	elango.m@vit.ac.in	Composite Materials, Machining
50331	Dr.	Senthil Kumar M	Professor Grade 1	5	senthil.km@vit.ac.in	Composites, Thin films
50335	Dr.	Davidson Jebaseelan	Professor - Higher Academic Grade	2	davidson.jd@vit.ac.in	Crash biomechanics and orthopedic engineering using FEM, gait and rehab studies, additive manufacturing for medical applications, bio-circular economy
50337	Dr.	Annamalai K	Professor - Higher Academic Grade	2	kannamalai@vit.ac.in	Fatigue Life Prediction, Fracture and Failure analysis
50339	Dr.	Manavalla Sreekanth	Professor Grade 2	4	manavalla.sreekanth@vit.ac.in	Thermal Management of Electric Vehicles; Thermodynamic analysis and optimization of s-CO ₂ based power generation; 2nd law analysis of thermal energy systems; Exergo-Economic analysis of thermal power systems; Exergy analysis of IC engines using alternative fuels; Fluidized bed combustion of solid fuels; Solar thermal energy storage;
50350	Dr.	Shyam Kumar M B	Professor Grade 1	3	shyamkumar.mb@vit.ac.in	Aerodynamics, Battery Thermal Management, Computational Fluid Dynamics, Thermal Energy Storage using Phase Change Materials
50379	Dr.	Sivakumar R	Professor - Higher Academic Grade	3	sivakumar.r@vit.ac.in	Computational Fluid Dynamics, Heat Transfer, Aerodynamics, High speed flows, Gas turbine Combustion

50395	Dr.	Sreekanth Dondapati	Professor Grade 2	2	sreekanth.dondapati@vit.ac.in	Molecular Dynamics, High Entropy Alloys, Alloy Design
50415	Dr.	Sakthivel G	Professor - Higher Academic Grade	2	sakthivel.g@vit.ac.in	Machine Intelligence, Digital Manufacturing, Cognitive ergonomics, Driver Assistance Systems, Adaptive Automotive Technologies Mechatronics and Automation
50421	Dr.	Radha R	Associate Professor Grade 2	3	radha.r@vit.ac.in	3D printing in health care, Biomaterials, Musculoskeletal biomechanics
50437	Dr.	Lenin Babu M C	Professor Grade 2	1	lenin.babu@vit.ac.in	Meta Materials, Vibration and Noise Control, Acoustic Materials, Musical Acoustics, Structural Vibration and Acoustics, Composites, Elastomers
50444	Dr.	Arockia Selvakumar	Professor Grade 2	1	arockia.selvakumar@vit.ac.in	Robotics and Automation
50466	Dr.	Manimaran R	Professor Grade 1	4	manimaran.r@vit.ac.in	Two-Phase Vortex Flow, Artificial Intelligence, Clean Energy
50501	Dr.	Deivanathan R	Professor Grade 1	2	deivanathan.r@vit.ac.in	Machining of advanced materials, Machine vision, AI & ML, Product Lifecycle Management
50506	Dr.	Venugopal T	Professor Grade 2	3	venugopal.t@vit.ac.in	Battery Thermal Management for EV, E-Vehicles, Advanced IC Engines ,Alternative Fuels and Hydrogen generation, Solar Energy,
50578	Dr.	Christo Michael T	Professor Grade 1	4	christo.michael@vit.ac.in	Analysis in Pipe bends, Fatigue, Design of Mechanical Systems - Static and Dynamic analysis
50593	Dr.	Raghukiran Nadimpalli	Professor Grade 1	2	raghukiran@vit.ac.in	Additive Manufacturing (3D Printing) - Rapid Prototyping - Rapid Tooling - Design for Additive Manufacturing
50597	Dr.	Vinayagamurthy G	Associate Professor Senior	5	vinayagamurthy.g@vit.ac.in	Aerodynamics, Aeroelasticity, Machine learning in Fluid dynamics, Propulsion, Wind Engineering, CFD, Coss wind stability of UAV's
50622	Dr.	Jafferson J M	Associate Professor Senior	3	jafferson.jm@vit.ac.in	Green Digital Manufacturing,3D Printing, Computational, Parametric Design, micromachining

50727	Dr.	Narayanan R	Professor Grade 2	3	narayanan.ramaswamy@vit.ac.in	corrosion; coatings; biomaterials
50730	Dr.	Giridharan A	Associate Professor Grade 2	3	giridharan.abimannan@vit.ac.in	Electrical Discharge Machining, Machining of Light-weight materials, Surface modification, Tribology, Circular economy, Sustainable manufacturing
50768	Dr.	Saravanakumar D	Associate Professor Senior	4	saravanakumar.d@vit.ac.in	Mechatronics, Robotics, Control Systems, Automation, AI and ML applications
50769	Dr.	Devaprakasam D	Professor - Higher Academic Grade	3	devaprakasam.d@vit.ac.in	CFD, Machine Learning, Artificial Intelligence, Sensors, Drones
50920	Dr.	Lakshmi Pathi Jakkamputi	Associate Professor Grade 2	4	lakshmiopathi@vit.ac.in	Linear and Non-linear modelling of composite structures, Structural dynamics and vibration control, Structural dynamic stability analysis, Structural Health Monitoring
51011	Dr.	Harish R	Associate Professor Grade 2	2	harish.r@vit.ac.in	Computational Fluid Dynamics, Heat Transfer, Nanofluids, Aerodynamics, Hydrodynamics, Biofluid Mechanics, Combustion and Reacting Flows, Renewable Energy Systems, Battery Thermal management, Machining Fluids Optimization, Refrigeration System, Microfluidics and Nanofluidics, Machine Learning Applications in CFD
51012	Dr.	Mohan R	Professor Grade 1	4	mohan.r@vit.ac.in	Industry 4.0, Artificial Intelligence and Machine Learning, Data Analytics, Conventional and Advanced Machining processes
51149	Dr.	Venkatachalam G	Professor - Higher Academic Grade	2	g.venkatachalam@vit.ac.in	Applications of FEA, Polymer composites
51152	Dr.	Padmanabhan R	Professor - Higher Academic Grade	2	padmanabhan.r@vit.ac.in	Manufacturing Processes, Mechanical behaviour of materials

51722	Dr.	Bhisham Kumar Dhurandher	Assistant Professor Senior Grade 1	6	bhishamkumar.d@vit.ac.in	Fire Dynamics, Combustion, Pool fire, Industrial Hazards
51723	Dr.	Manoj Kumar R	Assistant Professor Senior Grade 1	5	r.manojkumar@vit.ac.in	Bio-tribology, Bio-corrosion and Nano-mechanical studies of biomaterials, Structure - property studies on metal matrix and ceramic matrix composite, Nano-filler reinforced composite for biomedical and structural application, Different coating techniques to enhance the corrosion resistance and biocompatibility, Magnesium based composite for biodegradable implant application
51724	Dr.	Gajanand Gupta	Assistant Professor Senior Grade 2	6	gajanand.gupta@vit.ac.in	Reliability, Maintenance Management, Industry 4.0, FMECA, Risk Analysis, Multi Criteria Decision Making Techniques, Condition Monitoring
51725	Dr.	Awani Bhushan	Assistant Professor Senior Grade 2	3	awani.bhushan@vit.ac.in	Application of FEM, Fracture Mechanics, Next generation nuclear reactor, Bio-mechanics, Rehabilitaion and Limb Design and development
51726	Dr.	Mrutyunjay Panigrahi	Associate Professor Grade 2	5	mrutyunjay.panigrahi@vit.ac.in	Powder metallurgy, mechanical alloying, high entropy alloys, composite materials, energy storage materials, nanomaterials, graphene, recycling of materials, solvent extraction, rare earth elements (electro-deposition), ionic liquids, corrosion etc.
51727	Dr.	G Muralimohan	Associate Professor Grade 1	4	muralimohan.g@vit.ac.in	Mechatronics, Adavanced driver assistance systems, Path planning of autonomous robots, sustainable manufacturing, Frugal manufacturing, AR and VR
51729	Dr.	Ayub Ahmed Janvekar	Assistant Professor Senior Grade 2	6	ayubahmed.janvekar@vit.ac.in	Porous Media Combustion, Burner
51747	Dr.	Tapan Kumar Mahanta	Assistant Professor Senior Grade 1	6	tapan.mahanta@vit.ac.in	Acoutsic , Vibration and Composite material

52252	Dr.	Pritam Das	Assistant Professor Senior Grade 1	6	pritam.das@vit.ac.in	Solar thermal applications: Solar chimney, solar drying, desalination, solar vortex generation; Hybrid energy systems, Simulation and analysis on Livestock buildings, Energy storage, Algae-biofuel conversion
52307	Dr.	Abhishek Rudra Pal	Assistant Professor Senior Grade 1	5	abhishek.rudrapal@vit.ac.in	Rehabilitation robotics, exoskeleton design, autonomus mobile robot, underwater robotics, unmanned aerial vehicle, design optimization, application of machine learning for modelling of various mechanical process like welding
52324	Dr.	Saurabh Yadav	Assistant Professor Senior Grade 1	6	saurabh.yadav@vit.ac.in	Thermal management of electric vehicle: Motor/Inverter/Battery cooling, Heat exchangers, Heat sink, Multiphase flow, Waste heat recovery, Thermoelectric generators, and Solar thermal.
52326	Dr.	Ganesh M	Assistant Professor Senior Grade 1	6	m.ganesh@vit.ac.in	#N/A
52611	Dr.	Sanjeev Jakhar	Assistant Professor Senior Grade 2	6	sanjeev.jakhar@vit.ac.in	Solar energy, PV and CPV cooling systems, Agrivoltaics, Refrigeration (Cold storages), Nanofluids heat transfer, Thermodynamic analysis of thermal systems
53613	Dr.	Mogana Priya C	Associate Professor Grade 1	6	moganapriya.c@vit.ac.in	Manufacturing, Materials, Machine learning, Precision Agriculture
53634	Dr.	Avadhesh Kumar Sharma	Associate Professor Grade 1	6	avadheshkumar.sharma@vit.ac.in	Thermal-Fluids, Convective Heat Transfer, Multiphase Flow, Computational Fluid Dynamics, Turbulence Modeling, Spray Jet cooling, Nanofluids, Aerosol/Pollutants Scavenging, Nuclear Safety and Decommissioning, SiC oxidation
53635	Dr.	Balaji B	Assistant Professor Senior Grade 2	6	b.balaji@vit.ac.in	Net zero energy buildings, Sustainable structural batteries, CFD, Thermofluids, Air conditioning, thermoelectrics
53640	Dr.	Shenbaga Velu P	Assistant Professor Senior Grade 2	6	shenbagavelu.p@vit.ac.in	Composites, Materials Joining, Optimisation

53654	Dr.	Anshuman Das	Associate Professor Grade 1	6	anshuman.das@vit.ac.in	Advanced manufacturing, Nano fluids, Ioni liquid-based coolant, Sustainable manufacturing, Cryogenic treatment, Advanced coatings, Additive Manufacturing, Micro machining
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