

SCHOOL OF MECHANICAL ENGINEERING (SME)						
Public Research and Innovation						
S.No	Emp. ID	Faculty Name	Designation	Areas of Interest	Mobile No.	Email id
1	50379	Dr. Sivakumar R	Professor	CFD Analysis of Lean Direct Injection Gas Turbines, Combustion, Electrical Motor Cooling Regenerative Pump, Tidal Turbines, Heat Exchangers, Scramjet Engine: Inlet, Shock - Boundary Layer Interactions	9487833044 / 7598183368	sivakumar.r@vit.ac.in
2	50337	Dr. Annamalai K	Professor	Design verification and failure analysis of engineering components, Fatigue and Fracture Mechanics, Design for Manufacturing and Assembly	9443309718	kannamalai@vit.ac.in
3	50167	Dr. Bhaskara Rao L	Professor	Design, Vibration and Stability analysis of Beams, Nanobeams, FGMS, Plates, Nanoplates, shells, panels, FGMS, Nanotubes (SWCNT, DWCNT & MWCNT), Composite Materials	8148544770 / 9949976175	bhaskararao@vit.ac.in
4	50335	Dr. Davidson Jebaseelan	Professor	FE / In-vitro / In-vivo studies on Spine biomechanics, Orthopedic Biomechanics, Injury biomechanics, occupant safety & accident safety studies, Bio-devices, Ergonomics, Dental/Cardiac biomechanics, Sustainable design, 3D bio-printing	9445122485	davidson.jd@vit.ac.in
5	50501	Dr. Deivanathan R	Professor	MQL Machining, Cutting tools and machining of advanced materials, Intelligent machining, Product Design	9789092344	deivanathan.r@vit.ac.in
6	50769	Dr. Devaprakasam D	Professor	Flow Sensors, Biomimetic Solar Still, Nano Coolants, Nano Coatings, Nano Composites, MEMS, Inertial sensors, Engine Tribology	9786553933	devaprakasam.d@vit.ac.in
7	50004	Dr. Janardhan Reddy K	Professor	Product Lifecycle Management, Design Thinking and Innovation, Design Optimization and Customization	9489337965	kjanardhanreddy@vit.ac.in
8	51152	Dr. Padmanabhan	Professor	Sheet metal forming, Friction Stir welding, Composite material, Metal foams, Casting, Mechanical behaviour of materials, Micropumps and devices, MEMS	7708838097	padmanabhan.r@vit.ac.in
9	50272	Dr. Sasikumar M	Professor	Design & Characterisation of composite Materials (PMC, MMC), Design of Lightweight materials, Natural fibre reinforced composites, Nano Composites, Impact and damage analysis, Design of equipments for special purposes	9962000640	sasikumar.m@vit.ac.in
10	50415	Dr. Sakthivel G	Professor	AI and ML modelling and control of IC engines, Sensor Fusion, Automotive ergonomics, Machine intelligence and Cyber Physical System, Multi objective optimisation	9965422000 / 9080151945	sakthivel.g@vit.ac.in
11	50448	Dr. Sridhar V G	Professor	Machine Vision system, Friction Stir welding, Advanced Manufacturing, New Product Development, Industrial Automation and Inspection system, Lean Manufacturing, Industry 4.0.	9843170050	vsridhar@vit.ac.in
12	50151	Dr. Sugumaran V	Professor	Fault diagnosis of Bearings, Pumps, Brake System, Compressor, Tyre pressure, Wind turbine, PV Panels	9789923926	sugumaran.v@vit.ac.in
13	51149	Dr. Venkatachalam	Professor	Applications of FEM, Natural fibre reinforced polymer composite, New product development	7358244532	g.venkatachalam@vit.ac.in
14	50444	Dr. Arockia Selvakumar	Associate Professor (Sr.)	Modelling, Simulation, Design & Development of Robotic Manipulators, Rehabilitation Devices, Agricultural Robots / Drones, IoT in Robotics, Underwater Robots, Mechanisms using CAD/CAM/CAE, Service / Medical Robots	9962681933	arockia.selvakumar@vit.ac.in
15	50578	Dr. Christo Michael T	Associate Professor (Sr.)	Analysis and Design of Mechanical Systems, Analysis in Pipe Bends and Pressure Vessels, Fatigue Analysis on Pipe Bends using FEM	9600588726	christo.michael@vit.ac.in
16	50316	Dr. Joseph Daniel	Associate Professor (Sr.)	Passive cooling in buildings (by Phase change materials), Solar Energy, Energy planning and Policy, Modelling of thermal energy systems	9043208512	joseph.daniel@vit.ac.in
17	50437	Dr. Lenin Babu M C	Associate Professor (Sr.)	Vibration and noise control (mathematical modeling, numerical simulation and measurements) Composite, lightweight and functional materials, Foam, poro-elastic Materials, Acoustic Metamaterials, Active and Passive control methods (Helmholtz resonator, muffler, foam, Active vibration and Noise control), Finite and boundary element simulation, Plates and shells	7598622404	lenin.babu@vit.ac.in
18	50339	Dr. Manavalla Sreekanth	Associate Professor (Sr.)	Solid fuel combustion in fluidized beds, 2nd law analysis of thermal, systems, Electrical Vehicle Thermal Management, Turbomachines	9677051829	manavalla.sreekanth@vit.ac.in
19	50727	Dr. Narayanan R	Associate Professor (Sr.)	Surface modification of metals for corrosion resistance, TiO2 nanotubes especially for biomaterial applications, Development of new powder metallurgy alloys, Ceramic and composite materials for dental applications, Development of Al alloys for automobile applications	9940089129	narayanan.ramaswamy@vit.ac.in
20	50350	Dr. Shyam Kumar M B	Associate Professor (Sr.)	Bluff Body Aerodynamics, Computational fluid Dynamics (CFD), Large Eddy Simulation (LES), Wind Tunnel Experiments, Phase Change Materials, Battery Thermal Management Systems, Latent Heat Storage Systems for Cooling Application, Design of Regenerative Pump, Alternate Fuels, Renewable Energy	9444465447 / 6381198122	shyankumar.mb@vit.ac.in
21	50395	Dr. Sreekanth Dondapati	Associate Professor (Sr.)	Surface modification, Plasma electrolytic Oxidation, Corrosion, Wear resistant Coatings, Biometric Coatings Biomaterials, Metal Matrix composites, Magnesium Alloys and composites	9629049054	sreekanth.dondapati@vit.ac.in
22	50506	Dr. Venugopal T	Associate Professor (Sr.)	Internal Combustion Engines, Alternative Fuels, Battery Thermal management of Electric Vehicles, Hydrogen Generation and Utilisation, solar Drying, Desalination Technology, Wind energy	9865705078 / 97918 06766	venugopal.t@vit.ac.in
23	50730	Dr. Giridharan A	Associate Professor	Non-traditional Machining Processes, Machining of Light-weight Materials, Micro-EDM process, Modelling of advanced machining processes, Surface modification using advance machining processes	9677597847	giridharan.abimannan@vit.ac.in
24	50622	Dr. Jafferson J M	Associate Professor	Additive Manufacturing, Micro-machining, Bio-Inspired Designs	9791153034	jafferson.jm@vit.ac.in
25	50204	Dr. Jegadeeswaran R	Associate Professor	Condition monitoring, Fault Diagnosis using Machine Learning, Mechatronics system design, Prediction analysis using deep learning	9865338366	jegadeeswaran.r@vit.ac.in
26	50731	Dr. Jeyanthi S	Associate Professor	Multi Functional Composites - FEA- Machine Learning, Composites for Acoustic, Vibration, Impact and EMI shielding applications-optimization using machine learning techniques, Metal foams- Aluminium foam - polymer foams- Light weight materials, Meta materials for Energy absorption, 3D printed composite materials from Bio based materials, Piezoelectric materials for energy harvesting, Porous materials and its characterization using FEA	9840477440	jeyanthi.subramanian@vit.ac.in
27	50566	Dr. Karunamurthy K	Associate Professor	Thermal energy Storage, Enhanced Heat Transfer, Solar Thermal, Solar Desalination, Hydrogen Powered IC Engines, Pumps	9884032820	karunamurthy.k@vit.ac.in
28	50466	Dr. Manimaran R	Associate Professor	Hydrogen as a partial fuel substitute in CI engines, Gaseous and liquid (2-phase) flows in vortex tub, Wave energy extraction in a simple water tank	9445737752 / 8667091098	manimaran.r@vit.ac.in
29	51012	Dr. Mohan R	Associate Professor	Conventional Machining, nano cutting fluids, Non Traditional Machining, Real Time Process/Condition/Predictive Monitoring, particle reinforced composites, Industry 4.0 for sustainable Manufacturing, Finishing/polishing of Metallic and Non Metallic surfaces, Machine Learning using python and Matlab	9884216335	mohan.r@vit.ac.in
30	50593	Dr. Raghukiran Nadimpalli	Associate Professor	Design for additive manufacturing, Topology optimization and printing, Generative (or) Bionic Design for Additive Manufacturing, Rapid prototyping and tooling technologies, Customized 3D Printing for specialized applications, Material characterization (XRD, OM, SEM TEM etc.), Materials Processing through powder metallurgy, Spray form etc., Modelling and simulation of microstructures and Material Behaviour.	9445564409	raghukiran@vit.ac.in
31	50331	Dr. Senthil Kumar M	Associate Professor	Composites, Welding, Characterization, Wear	9444701139 / 8428598389	senthil.km@vit.ac.in
32	50302	Dr. Tamil Selvan P	Associate Professor	Alternative fuels for IC Engines, IC Engines Combustion, Engine pollution control, Fuel Cell, Engine Electronics, Hybrid Vehicles, HVAC	9940355720	tamilselvan.p@vit.ac.in
33	50597	Dr. Vinayagamurthy G	Associate Professor	Aerodynamics of Wind turbines, Tidal turbines, Flow control devices (Analytical, Experimental and Computational approach), Aeroelasticity / Structural dynamics / Vibrations, Automotive Aerodynamics, Sports Aerodynamics, Wind effects on Buildings, cable structures and other slender structures. - Fluid structure interactions, Wind Engineering : Experimental wind tunnel testing and Computational Fluid Dynamics, Supersonic Aerodynamics: Flow control using Jets, Flow acoustics, Unmanned Aerial Vehicles for defence applications.	7358313104	vinayagamurthy.g@vit.ac.in
34	50330	Dr. Elango M	Assistant Professor (SG)	Composite Materials, Machining	9500185723 / 7904460115	elango.m@vit.ac.in
35	50308	Dr. Sivarajan S	Assistant Professor (SG)	Machining, Sheet metal forming, Surface coatings and Materials Science	9841617961	sivarajan.s@vit.ac.in
36	51725	Dr. Awani Bhushan	Assistant Professor (Sr.)	Fracture Mechanics, Nuclear Reactor, Solid Mechanics, Bio Mechanics, Finite Element Analysis (FEA), Experimental, numerical (FEA) and analytical Co-relation for J-integral in thermo-magneto-elastic field, Lower Limb Design For disabled people, Fracture behaviour and reliability analysis of Nuclear grade graphite	8825216339	awani.bhushan@vit.ac.in
37	51729	Dr. Ayub Ahmed Janvekar	Assistant Professor (Sr.)	Porous media combustion, Novel burners, Cogeneration systems, Renewable Energy and CFD simulations	9916067856	ayubahmed.janvekar@vit.ac.in
38	51722	Dr. Bhisam Kumar Dhurendher	Assistant Professor (Sr.)	Combustion, Modelling & Simulation, Heat Transfer, Fire Dynamics, Enclosure Fire, Industrial Hazard Analysis	7088268809	bhisamkumar.d@vit.ac.in
39	50317	Dr. Feroskhan M	Assistant Professor (Sr.)	Advanced IC Engine Technology, Alternative Fuels, Nanotechnology in Thermal Systems, Battery Cooling Systems, Emission Reduction Methods, Combustion, Waste Energy Harvesting	9994664044 / 8124722626	feroskhan.m@vit.ac.in

40	51724	Dr. Gajanand Gupta	Assistant Professor (Sr.)	Reliability Analysis, Maintenance Management, FMECA, Criticality Analysis, Risk Analysis, System Failure analysis, Decision Making, MCDM, Optimization, Quality Control, Industry 4.0, Sustainable manufacturing, RAMS	8302443332	gajanand.gupta@vit.ac.in
41	50208	Dr. Gobinath N	Assistant Professor (Sr.)	Heat Transfer, Nano fluids, Refrigerants, Thermal Management of Electric Vehicles and Solar applications	7200339972	gobinath.n@vit.ac.in
42	51011	Dr. Harish R	Assistant Professor (Sr.)	CFD modelling and simulations of Nanofluid heat transfer, Phase change material and heat transfer, Offshore oil rigs and wind/Tidal turbines, Thermal management of electronic devices, Aero thermodynamic analysis of re-entry vehicles, Microfluidic systems	9494823730	harish.r@vit.ac.in
43	50920	Dr. Lakshmi Pathi Jakkamputi	Assistant Professor (Sr.)	Linear and Non-linear modelling of composite structures, Structural dynamics and vibration control, Structural dynamic stability analysis, Structural Health Monitoring	9043486906	lakshmiopathi@vit.ac.in
44	51723	Dr. Manoj Kumar R	Assistant Professor (Sr.)	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	9121989787	r.manojkumar@vit.ac.in
45	51727	Dr. G. Murali Mohan	Assistant Professor (Sr.)	Predictive modeling of manufacturing processes, Process optimization, Severe plastic deformation based material processing, sustainable manufacturing, machine learning, mechatronics, Assistive robotics	9443468008	muralimohan.g@vit.ac.in
46	51726	Dr. Mrutyunjay Panigrahi	Assistant Professor (Sr.)	Extractive Metallurgy, Ionic Liquids, Recycling of Materials, Energy Storage Materials, Ceramic Materials, Composite Materials, Polymeric Materials, Environmental Studies	6351817113	mrutyunjay.panigrahi@vit.ac.in
47	50421	Dr. Radha R	Assistant Professor (Sr.)	Alloys and Composites, Bio Materials, Surface Modifications, Corrosion	7397261597	Radha.r@vit.ac.in
48	50768	Dr. Saravanakumar D	Assistant Professor (Sr.)	Mechatronics Systems & control, Exoskeleton & Assistive ROBOT, Soft robotics, Control of mobile robots	9791964510	saravanakumar.d@vit.ac.in
49	51728	Dr. Swagatika Mohanty	Assistant Professor (Sr.)	Sheet metal forming, Advanced Manufacturing Technologies, Robotics	9676852171	swagatika.mohanty@vit.ac.in
50	51747	Dr. Tapan Kumar Mahantha	Assistant Professor (Sr.)	Acoustics and Vibration, Sound quality analysis, Noise sources and propagation, Passive noise controls, BEM modelling for acoustics analysis and Structural vibration analysis	9640008841	tapan.mahanta@vit.ac.in