Office of Director (Accreditation, Ranking & International Affairs)

Our Faculty Research Expertise

SI. No.	Name of the faculty	Specific area in which guidance offered	Department
1	Dr. P. Vasanthakumar	Propulsion (Turbomachinery) Computational Fluid Dynamics (CFD) Aeroelasticity (Turbomachinery)	Aerospace
2	Dr. P. N. Kadiresh	Aerospace Propulsion / Propellant Combusion Heat Transfer Internal Combustion Engines	Aerospace
3	Dr. M. Subramanian	IC Engines – Combustion – Performance & Emission Alternate fuels and energy sources Aero dynamics of vehicles Manufacturing of Automobile components Any other Automobile Engineering areas	Automobile
4	Dr. K. Prabu	Vehicle Dynamics Vehicle Control Automotive Suspension Design and Control Automotive Systems Other Areas related to Automobile	Automobile
5	Dr. I. Mohammed Bilal	Polymer Nano Composites Organic Synthesis Environmental Chemistry Industrial Catalysis.	Chemistry
6	Dr. S. Kuttirani	Physical Organic Chemistry Catalysis	Chemistry
7	Dr. D. Easwaramoorthi	Bio-inorganic Chemistry Organic Synthesis Catalysis Environmental Chemistry	Chemistry
8	Dr. N. Hajara Beevi	Environmental Chemistry	Chemistry
9	Dr. J. Herbert Mabel	Catalysis Physical Organic Chemistry	Chemistry
10	Dr. S. Bhagavathy	Synthetic Heterocyclic Chemistry Synthesis of Glycosidase Inhibitors Synthesis of Chisel Sugar for Anti Cancer Synthesis of Sugar to Cycle Alkanes Enzyme Arrays of Glycosidase	Chemistry
11	Dr. S. Mahasampath Gowri	Organic Chemistry Organic Synthesis of Biologically Active Compounds Organic Asymmetric Synthesis	Chemistry

12	Dr. Asha Jhonsi	Photo induced interactions (Electron & Energy Transfer) Nano particles & quantum dots synthesis & functionalization Light induced reaction between organic sensitizers & Inorganic NPs. Dye Sensitized solar cells (DSSCs)	Chemistry
13	Dr. M. Vajjiravel	Organic Electronics (OPV, OLED and OFET) Design, Synthesis of Conjugated Polymers for Opto-Electronic Applications Design, Synthesis of Interface Materials for Opto-Electronic Applications Design, Synthesis of Phase Transfer Catalyst for Polymerization Applications	Chemistry
14	Dr. Noor Aman Ahrar Mundari	Catalysis Materials Chemistry Environmental Chemistry Organometallic Chemistry Photovoltaics	Chemistry
15	Dr. V. Murugesan	Catalysis & Photocatalysis Water and Wastewater Treatment	Chemistry
16	Dr. K. Karthikeyan	Synthetic Organic Chemistry	Chemistry
17	Dr. Revathi Purushothaman	Polymer Chemistry Polymer Nanocomposites Polymer Composites Polymer Hybrids	Chemistry
18	Dr. A. Shajahan	Kinetics - Catalysis Corrosion Environmental Pollution abatement	Chemistry
19	Dr. M.V. Molykutty	Water Resources Engineering Water Shed Modelling Ground Water Modelling Water Quality Modelling Watershed Management Using GIS Application of GIS in Civil Engineering	Civil Engineering
20	Dr. E. Rasul Mohideen	Geology Remote Sensing Geographical Information Systems	Civil Engineering
21	Dr. M.S. Haji Sheik Mohammed	Corrosion control of steel in concrete Durability Enhancement of Concrete Structures Polymer modified concrete / mortar Development · Water proofing of concrete structures	Civil Engineering
22	Dr. Vasanthi Padmanaban	Soil structure Interaction Ground water corlamination Modelling Remediation of Corlaminated sited Water treatment – New Technologies	Civil Engineering

		Soil pollutant Interaction	
23	Dr. J. Revathy	Rehabilitation of structures Composite Materials Seismic Design & structures	Civil Engineering
24	Dr. P. Gajalakshmi	Steel Concrete Composite structural members Reinforced concrete Beam- column Joints Prestressed concrete structural members Finite element modeling of structural members Static and dynamic analysis of structural members	Civil Engineering
25	Dr. K. Yogeswari	Sustainable Planning Transportation Planning Optimization Modeling Remote sensing & GIS Image Processing Techniques Fuzzy Aided design	Civil Engineering
26	Dr. P. Sheik Abdul Khader	Computer Networks Soft Computing Software Engineering Data Mining and Data Warehousing Routing Algorithms	Computer Applications
27	Dr. M. Munir Ahamed Rabbani	Image Processing Biometrics Computer Graphics	Computer Applications
28	Dr. A. Jaya	Artificial Intelligence Software Engineering Natural Lang Processing Data Mining Web Mining, Web Intelligence	Computer Applications
29	Dr. A. Anny Leema	RFID-Wireless Identification technology Web Mining Wireless networks E-learning	Computer Applications
30	Dr. P. K. Nizar Banu	Data Mining Web Mining Soft Computing Image Processing	Computer Applications
31	Dr. Angelina Geetha	Information Retrieval, Natural Language Processing Human - Computer Interfaces Web Mining, Data Mining, Text Mining Wireless Networks	Computer Science and Engineering
32	Dr. K.M. Mehata	Software Engineering Soft Computing Computer Networks	Computer Science and Engineering

33	Dr. R. Shriram	Mobile Computing Pervasive Computing Language Technologies Text mining Grid Computing	Computer Science and Engineering
34	Dr. M. Sandhya	Security in RFID and Mobile RFID Systems Database Management System Security in Wireless Networks Data Mining & Warehousing	Computer Science and Engineering
35	Dr. Sharmila Shankar	Mobile Adhoc Networks Algorithmic Techniques Wired and Wireless Networks Ubiquitous Computing	Computer Science and Engineering
36	Dr. W. Aisha Banu	Data mining and Warehousing Information Retrieval Mobile Application Computing Ubiquitous Computing Language Technology	Computer Science and Engineering
37	Dr. S. Aranganathan	Grid Computing Cloud Computing Distributed Systems	Computer Science and Engineering
38	Dr. S. Revathi	Wireless Networks Data structures and algorithms Networks	Computer Science and Engineering
39	Dr. E. Syed Mohamed	Soft Computing Mathematic Modeling Image Processing Information Security	Computer Science and Engineering
40	Dr. N. Sabiyath Fatima	Cloud Computing Big Data Analytics Datamining Mobile Ad hoc Networks Image Processing	Computer Science and Engineering
41	Dr. S.K.G. Ganesh	Marketing Management Organisational Behaviour	Management Studies
42	Dr. N. Joe Christy Nallaswami	Consumer Behaviour Organizational Behaviour Marketing Advertising Law	Management Studies
43	Dr. Haider Yasmeen	Organizational Behaviour Human Resource Management Marketing System	Management Studies
44	Dr. Khalid Waheed	Islamic Economics Islamic Banking & Finance Economics	Management Studies

45	Dr. L. Aravindh Kumaran	Operations Management Supply Chain Management Technology Management Application of e-business Applications in MSMEs	Management Studies
46	Dr. N. Anuradha	Financial Market Financial Economics Financial Institutions Portfolio Management Derivatives Management	Management Studies
47	Dr. M. Jamal Mohamed Zubair	Management Human Resource Management Marketing Management Strategic Management Entrepreneurship	Management Studies
48	Dr. Panboli	Human Resource Management Organisational Behaviour Financial Management Marketing Management	Management Studies
49	Dr. Moon Moon Hussain	Rural Development Public Finance Unemployment and Human Capital Tourism and Development Poverty and Population	Economics
50	Dr. R. Raja Prabu	Outdoor Polymeric Insulators Bio-electrics Power Quality Online condition monitoring of electric equipment Digital protection	Electrical and Electronics Engineering
51	Dr. K.N. Srinivas	Design & analysis of switched reluctance machine Power electronic in switched reluctance machine Power system operation & control	Electrical and Electronics Engineering
52	Dr. R. Jayashree	ATC enhancement in power system Congestion Management in power system FACTS devices applications to power system Economic Dispatch	Electrical and Electronics Engineering
53	Dr. K. Boopathy	Power Electronics and Drives Industrial Electronics Drives Chopper Application to Drives Special Electrical Machines	Electrical and Electronics Engineering
54	Dr. Y. Mohamed Shuaib	Loss Minimisation in Distribution system with FACTS Devices and Distributed Generation Reactive power Control in Transmission and Distribution system Load Frequency Control Economic Dispatch and Unit Commitment Power Electronic Converters	Electrical and Electronics Engineering

55	Dr. S. Kaja Mohideen	VLSI Circuit Design Digital System Design Image Processing Wireless Networks	Electronics and Communication Engineering
56	Dr. P.K. Jawahar	VLSI Design Embedled Systems Computer Networks	Electronics and Communication Engineering
57	Dr. C. Tharini	Wireless Network Communication Signal Processing Embedded Systems	Electronics and Communication Engineering
58	Dr. B. Vijayalakshmi	Digital Image Processing Optical Communication Communication Systems Design of an Antenna Design of Transmission line	Electronics and Communication Engineering
59	Dr. Mohamed Ismail	VLSI Design and Embedded System Wireless Sensor Networks Computer Architectures Microprocessors and Microcontrollers based system Design Digital and Linear IC Design	Electronics and Communication Engineering
60	Dr. G. Kannan	Wireless Sensor Network Embedded Systems	Electronics and Communication Engineering
61	Dr. D. Najumnissa Jamal	Biosignal Processing Modelling of biosignals Computational / Cognitive neuroscience Biomedical Engineering Power Plant Instrumentation	Electronics and Instrumentation Engineering
62	Dr. U. Sabura Banu	Nonlinear Process Control Evolutionary Optimization based Control · Intelligent Modeling & Control	Electronics and Instrumentation Engineering
63	Dr. T.R. Rangaswamy	Networking & Security Soft Computing Automation & Controls, Sensor Networks Software Testing Intelligent Systems	Electronics and Instrumentation Engineering
64	Dr. A. Shahin Sultana	English Language Teaching English for specific purposes Computer assisted language learning (computer oriented) Communication Skills (Listening, Reading, Speaking and Writing)	English
65	Dr. P.M. Usha Rani	English Language Teaching (Listening, Reading, Speaking and Writing) Literature.	English

66	Dr. R. Revathi	Computer assisted English Language Teaching Technology oriented language teaching Teaching English for specific purpose Teaching English to Speakers of other languages (TESOL)	English
67	Dr. P. Rathna	Post Colonial Literature Literature of the Marginalised (Dalit Literature) Feminist Studies Aboriginal Literature	English
68	Dr. Md. Sahidul Islam	Literature	English
69	Dr. Harrison John Theophilus	Human Rights Literature Peace Studies Furturistic writers & tech writers Political writers and their role in public governance (ETC)	English
70	Dr. H. Sofia	English Language Teaching Computer Assistant Language Learning	English
71	Dr. V. Sankaranarayanan	Network Security Quality of Service Mobile Adhoc Network, Security & Protocols	Information Technology
72	Dr. M. Latha Tamilselvan	Mobile Adhoc Networks Wired & Wireless Network Cryptography & Network Security Grid Computing Sensor Networks	Information Technology
73	Dr. G. Kavitha	Grid Computing Cloud Computing Distributed Systems	Information Technology
74	Dr. N. Prakash	Software Testing Software Engineering Data Mining Image Processing Web Technology	Information Technology
75	Dr. M. Kabeer	Modeling and simulation of optoelectronic devices Wireless sensor networks Wined networks	Information Technology
76	Dr. P.S. Syed Masood Jamali	Islamic Studies Islamic Finance Arabic Language and Literature	Islamic Studies
77	Dr. P. Panneerselvam	Library Management Library Automation Digital Library Emerging topics in Library Science	Library Science

78	Dr. M.P. Srinivasan	Digital Library Scientometrics User Study Public Library System Information Study Library Automation	Library Science
79	Dr. S. Rajasekaran	Mathematical Modeling Geometric Function Theory Mathematical Biology	Mathematics
80	Dr. P.S. Sehik Uduman	Operation Research Fuzzy Logic Graph Theory Discrete Mathematics	Mathematics
81	Dr. S. Srinivasan	Operation Research Discrete Mathematics Graph Theory Fuzzy Logic	Mathematics
82	Dr. P. Arathi	Numerical Linear Algebra Graph Theory	Mathematics
83	Dr. Sindhu J Kumar	Formal Languages Grammar Systems DNA Computing	Mathematics
84	Dr. T.R. Ramesh Rao	Computational Mathematics Bio Mathematics Mathematical Modeling	Mathematics
85	Dr. R. Rajaraman	Heat Transfer	Mechanical
86	Dr. S. Prince Arokiadoss	Manufacturing Management Solidification of casting process (Metal Casting) Numerical heat transfer TQM, FMEA	Mechanical
87	Dr. V.M. Periasamy	Fracture Mechanics Surface Engineering Composite Materials Material Science	Mechanical
88	Dr. M. Murugan	Metal Cutting Process Monitoring in Manufacturing Vision Based Metrology Computer Integrated Manufacturing	Mechanical
89	Dr. K. Suresh Kumar	Renewable Energy Utilization Bio Energy Solar Energy Utilization & Storage	Mechanical
90	Dr. R. Rajendran	Surface Engineering Corrosion	Mechanical

91	Dr. S. Rasool Mohideen	Fracture Mechanics Cryogenic treated Weldments	Mechanical
92	Dr. A. S. Selvakumar	Metal Forming Process Manufacturing related topics	Mechanical
93	Dr. H. Siddhi Jailani	Composite Materials Powder Metallurgy Machining Tribology	Mechanical
94	Dr. V. Muralidharan	Condition Monitoring of Mechanical Components Fault diagnosis of pump with wavelets Machine learnning	Mechanical
95	Dr. M.A. Sai Balaji	Friction Composites (Brake lining / Clutch lining)	Mechanical
96	Dr. R. Sathish Kumar	Biodiesel and its application in IC engines Nano additives for biodiesel applications Renewable Energy	Mechanical
97	Dr. P. D. Jeyakumar	Finite element analysis Vehicle safety Vibration	Mechanical
98	Dr. R. Karunanithi	Synthesis and characterization of Al-alloys and composite Electrochemical behavior of Al-alloys and composite Wear behavior of Al-alloys and composite Deformation behavior of Al-alloys and composite	Mechanical
99	Dr. M. Thirumurugan	Bio Materials, Powder Metallurgy Biomechanics Amorphous alloys, coating Extrusion, Rolling, Metal forming Energy materials	Mechanical
100	Dr. T.R. Tamilarasan	Surface Engineering Electroless nano composite coatings Wear, Adhesion and Corrosion Characterization	Mechanical
101	Dr. S. Chandran	Construction of skill tests and compilation of norms for games Coaching and training methods Exercise Physiology Sports Management and Organisational Skills Nutrition and Physical Fitness to specific event	Physical Education
102	Dr. R. Auvai	Yoga–Yogasana and Pranayana for health Physical Exercises in various games and sports Physiotherapy, Massage Manipulation and Rehabilitation Psychological changes in Anxiety level, stress & aggression Anatomy and physiology of exercises Physical exercises on health related physical fitness Sports management/Human resource management	Physical Education

103	Dr. I. Raja Mohamed	Non linear Dynamics – Bifurcation Theory Chaos theory and applications	Physics
104	Dr. J. Thirumalai	Luminenescence Quantum Blinking Nanophosphors for opto-electronic applications Nanomaterial synthesis & self-assembly (colloidal) of nanomaterials Inorganic & bio-inorganic research Dilute magnetic semiconductors, spintronics and sensor applications	Physics
105	Dr. I.B. Shameem Banu	Magnetic properties of solids Optical properties of solids Weakly and strongly correlated systems Phase transition	Physics
106	Dr. M. Basheer Ahamed	Energy transfer distributed feedback dye lasers Optical phase conjugation Non-linear Optics	Physics
107	Dr. S. Krishnan	Crystal Growth Nanomaterials	Physics
108	Dr. R. Indirajith	Thin Films Deposition and Characterizations Crystal Growth and Characterizations Nanomaterials Synthesis and Characterizations Device Fabrication using thin films and crystals	Physics
109	Dr. G.V. Vijayaraghavan	Laser Technology – Energy Transfer Dye Lasers Non-Linear Optics Pulse Laser Deposition – Thin Film Studies Crystal Growth Techniques	Physics
110	Dr. S. Sathik Basha	Surface coating technique Material Procession Materials Science NDT Surface Engineering	Physics
111	Dr. M. Mohamed Sheik Sirajuddeen	Condensed Matter Physics Computational Physics Materials Science	Physics
112	Dr. R. Vasanthakumari	Polymer Synthesis and characterization Conducting Polymers Polymer Nano composites & Nano fibers Poly alloys and blends Polymer crystallization	Polymer Engineering
113	Dr. S.Syed Mohamed Abdul Majeed	Polymer Synthesis and Characteristics Polymer Nano composites Polymeric High Voltage Insulators Polymer concrete Corrosion Resistant Hybrid Coatings	Polymer Engineering

114	Dr. S. Shamshath Begum	Environmental Engineering – Solid and Wastewater Management Energy Engineering – Fuels and Wastewater from Microalgae Energy recovery form Solid and Liquid Waste Biotechnology and Chemical Engineering Recovery and Reuse of Polymers Flame Retardant characteristics in Foam, polymer Rheology	Polymer Engineering
115	Dr. S. Hemalatha	Biochemistry Immunology Biophysics Enzymology	School of Life Sciences
116	Dr. Soumen Bera	Cancer Biology Mitochondrial ROS signaling Tumor Microenvironment Drug development	School of Life Sciences
117	Dr. MD Khurshid Alam Khan	Protein Biochemistry and Biophysics	School of Life Sciences
118	Dr. Neesar Ahmed	Cancer Biology, Membrane Dynamics	School of Life Sciences
119	Dr. Shazia Jamal	Biochemistry Biotechnology Protein chemistry Cell Biology Molecular Biology	School of Life Sciences
120	Dr. Karthikeyan Ramalingam	Marine Biology (Cancer Biology)	School of Life Sciences
121	Dr. M.K. Sangeetha	Molecular Biology Biochemistry Biotechnology	School of Life Sciences
122	Dr. M. S. Shahul Hameed	Biopharmaceuticals-Cancer therapeutics/Diabetic therapeutics – Design & Development Bioinformatics-Proteomics & Protein Engineering Neutraceuticals Drug Delivery Systems	School of Life Sciences
123	Dr. Subhamoy Banerjee	Biological network analysis and simulation Recombinant protein delivery Nano particle mediated dual drug delivery Construction of all culture model for neurodegenerative disease	School of Life Sciences
124	Dr. Sudarkodi Sukumar	Bio Chemistry (Lipids & Proteins) Systems Biology of Lipid Metabolism in Cancer	School of Life Sciences