



Ramaiah University of Applied Sciences

Research Division

List of Approved Internal Research Supervisors

Faculty of Engineering and Technology					
Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
1	Prof. H.K. Narahari	Automotive and Aeronautical Engineering	B.Sc., D.M.I.T, M.E., Ph.D.	31	<ul style="list-style-type: none">• Supersonic and Subsonic Aerodynamics• Aircraft Design• Combustion Modelling• Heat Transfer
2	Dr. S. Srikari	Automotive and Aeronautical Engineering	B.Sc., M.Sc., M.Tech., Ph.D.	15	<ul style="list-style-type: none">• Composite Materials• Bio Materials• Ceramics• Coating Technology• Polymers
3	Dr. B.V. Vijay	Automotive and Aeronautical Engineering	B.E., M.S., Ph.D.	19	<ul style="list-style-type: none">• Structural Dynamics and Stability• Non – Linear Structural Behaviour• Composite Structures• Evolutionary Optimization• Fuzzy Systems
4	Dr. A.T. Sriram	Automotive and Aeronautical Engineering	B.E., M.E., Ph.D.	17	<ul style="list-style-type: none">• Combustion – Gas Turbine, Scram Jet, IC Engines and Power Plants• Aerodynamics : Turbomachinery Aerodynamics, Flow Structure Interaction• Stability and Control – Aircraft and Other Related Power and Vehicle Application• Non – Thermal Plasma and Plasma Thrusters• Bio Fluid Mechanics – Blood Flow in Brain



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Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
5	Dr. B.S. Dayananda	Automotive and Aeronautical Engineering	B.E., M.Tech., Ph.D.	18	<ul style="list-style-type: none">• Alternative Fuels• I C Engines• Combustion Technology
6	Dr. R. Raja	Automotive & Aeronautical Engineering	B.E., M.E., Ph.D.	21	<ul style="list-style-type: none">• Alternate Fuels for Automotive Engines• Design and Validation of Automotive System
7	Dr. Mahesh K. Varpe	Automotive & Aeronautical Engineering	B.E., M.Tech., Ph.D.	12	<ul style="list-style-type: none">• Aerospace Propulsion• Turbomachines• Flow Control• Experimental Aerodynamics and Flow Visualisation• Heat Transfer
8	Dr. M. Sivapragasam	Automotive & Aeronautical Engineering	B.Sc., M.Sc., Ph.D.	11	<ul style="list-style-type: none">• Fluid Mechanics• Aerodynamics• Computational Fluid Dynamics• Gas Turbine Engineering• Turbomachinery Aerodynamics



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9	Dr. H.M. Rajashekara Swamy	Civil Engineering	B.Tech., M.Tech., Ph.D.	30	<ul style="list-style-type: none">• Static and Dynamic Analysis of Soil Structure interaction Problem• Frame and Wall Interaction Under Static and Dynamic Loads• Structural Health Monitoring of Structures• Static and Dynamic FEM Application in Structures and Soil Mechanics• Fluid – Structure Interaction• Mesh – Free Methods• Discrete Element Method
10	Dr. S.D. Anitha Kumari	Civil Engineering	B.E., M.S, Ph.D	12	<ul style="list-style-type: none">• Earthquake Geotechnical Engineering• Discrete Element Modelling• Rock Mechanics• Blast/Shock Loading in Underground Structures• Seismic Hazard Analysis
11	Dr. B.R. Venkatesh	Civil Engineering	B.Sc., M.Sc., Ph.D.	39	<ul style="list-style-type: none">• Environmental Science• Geochemistry (Stable Isotopes)• Sedimentology (Earth Science)• Marine Geology
12	Dr. Harshad Rameshwar Parate	Civil Engineering	B.E., M.E., Ph.D.	08	<ul style="list-style-type: none">• Water Resources Engineering• Vadose Zone Engineering• Surface and Groundwater Engineering
13	Dr. T. Valsa Ipe	Civil Engineering	B.Sc., M.Sc., Ph.D.	36	<ul style="list-style-type: none">• Steel Structures• Steel and Concrete Composite Structures• Mechanics of Structures



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14	Dr. Santhosh M. Malkapur	Civil Engineering	B.E., M.Tech, Ph.D.	05	<ul style="list-style-type: none">• Radiation Shielding• Alternative Building Material• Mix Design
15	Dr. Nayana N. Patil	Civil Engineering	B.E., M.Tech, Ph.D.	27	<ul style="list-style-type: none">• Reinforced Soil• Concrete Technology• Green Technology• Soil Stabilisation• Waste Management
16	Dr. P.V.R. Murthy	Computer Science and Engineering	M.Sc. Tech. (Computer Science Integrated), Ph.D.	33	<ul style="list-style-type: none">• Program Analysis (for Optimizations, Defect Detection, Concurrency, Security)• Parallel Computing• Software Engineering (Testing, Verification, Formal Methods and Refactorings)
17	Dr. C. Narendra Babu	Computer Science & Engineering	B.E., M.Tech., Ph.D.	16	<ul style="list-style-type: none">• Time Series Analysis and Forecasting• Data Mining, Predictive Analytics• Big Data• Soft Computing
18	Dr. Subarna Chatterjee	Computer Science & Engineering	B.E., M.E., Ph.D.	7	<ul style="list-style-type: none">• Medical Image Analysis & Processing• Image Processing & Pattern Recognition• Computational Geometry• Embedded System



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19	Dr. Raghavendra Venkatesh Kulkarni	Computer Science & Engineering	B.E., M.E., Ph.D.	30	<ul style="list-style-type: none">• Soft Computing• Wireless Sensor Networks• Digital Image Processing• Digital Signal Processing• Embedded Systems
20	Dr. Pushphavathi T.P.	Computer Science & Engineering	B.E., M.Tech., Ph.D.	20	<ul style="list-style-type: none">• Data Mining• Soft Computing and Big Data Analytics• Software Engineering
21	Prof. Govind R. Kadambi	Electronics and Communication Engineering	B.E., M.S., Ph.D.	35	<ul style="list-style-type: none">• Antenna-Analysis and Design• Electromagnetics and Computational Electromagnetics• Multi Band Antennas for Wireless Applications• Adaptive Techniques in Communication and Signal Processing• Digital Beamforming, MAMETs and Optic Flow
22	Dr. S. Malathi	Electronics and Communication Engineering	B.E., M.E., Ph.D.	09	<ul style="list-style-type: none">• Fiber Optic Communication• Integrated Optics• Optical Sensors• Optical MEMS
23	Dr. D. Punithavathi	Electronics and Communication Engineering	B.E., M.E., Ph.D.	11	<ul style="list-style-type: none">• Digital System Architecture• FPGA Based High Performance Architecture Design• Embedded System• Digital Signal Processing



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24	Dr. Rinki Sharma	Electronics and Communication Engineering	B.E., M.Sc., Ph.D.	13	<ul style="list-style-type: none">• Computer Networks• Wireless Networks• Network Security• Internet of Things• Embedded Networks
25	Dr. B.R. Karthikeyan	Electronics & Communication Engineering	B.E., M.Sc., Ph.D.	12	<ul style="list-style-type: none">• Antennas• Baseband Signal Processing• Adaptive Algorithms• Image Processing• Wireless Communications
26	Dr. T. Christy Bobby	Electronics & Communication Engineering	B.E., M.S., Ph.D.	20	<ul style="list-style-type: none">• Bio Medical Image Processing• Bio Medical Signal Processing• Bio Medical Instrumentation• Machine Learning Techniques• Nano Bio Materials for Bone Tissue Engineering
27	Dr. Y. Sunil	Electronics & Communication Engineering	B.E., M.Tech., Ph.D.	13	<ul style="list-style-type: none">• Signal Processing• Speech and Image Processing• Communication• VLSI and Embedded System



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28	Dr. Pallaviram Sure	Electronics & Communication Engineering	B.Tech., M.Tech., Ph.D.	12	<ul style="list-style-type: none">• Big Data Aware 5G Massive MIMO and MIMO-OFDM Systems• Green Communications with Spectrum Sensing• Sparse Modelling and Compressive Sensing based Antenna NFFT Transformation• High Dimensional Data Compression Backing Smart City Requirements
29	Dr. Ugra Mohan Roy	Electronics and Communication Engineering	B.E., M.E., Ph.D.	14	<ul style="list-style-type: none">• Photonics and Optical Fibre Communication• Microwave Photonics• High Speed Printed Circuit Board• Design and Signal Integrity Analysis Electronic System Design, Management and Development
30	Dr. K. Manickavasagam	Electrical Engineering	B.E., M.E., Ph.D.	18	<ul style="list-style-type: none">• Power System Analysis• Renewable Energy System• Power System Operation• Power System Control• Power System Automation
31	Dr. Shama Ravichandran	Electrical Engineering	B.E., M.E., Ph.D.	05	<ul style="list-style-type: none">• Robust Control• Adaptive Control• Control Systems



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32	Dr. M.S. Indira	Electrical Engineering	B.E., M.Sc., Ph.D.	30	<ul style="list-style-type: none">• High Voltage Engineering• Power System Engineering• Renewable Energy System
33	Dr. Arulanatham	Mechanical & Manufacturing Engineering	B.E., M.Tech., Ph.D.	22	<ul style="list-style-type: none">• Heat Transfer• Energy and Renewable Energy• CFD• Artificial Intelligence Techniques for Thermal Systems• Thermal Science
34	Dr. Arun R. Rao	Mechanical & Manufacturing Engineering	B.E., M.Sc., Ph.D.	18	<ul style="list-style-type: none">• Large Elasto – Plastic Deformation• Mechanical Behaviour of Materials• Solid Mechanics• Kinematics and Dynamics of Mechanisms• Structural Design and Optimisation
35	Dr. Rahul M. Cadambi	Mechanical & Manufacturing Engineering	B.E., M.Tech., Ph.D.	12	<ul style="list-style-type: none">• Synthesis of Nanomaterials• Polymer and Rubber Nanocomposites• Composite Materials• Metallised Coatings on Polymers and Rubbers
36	Dr. T.N. Srikantha Dath	Mechanical & Manufacturing Engineering	B.E., M.E., Ph.D.	30	<ul style="list-style-type: none">• Supply Chain Management• Knowledge Management• Operations Management• Quality Engineering and Management• Manufacturing Engineering



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37	Dr. M.C. Muruges	Mechanical & Manufacturing Engineering	B.E., M.Tech., Ph.D.	16	<ul style="list-style-type: none">• Drilling of Polymer Matrix Composites
38	Dr. Ananth S. Iyengar	Mechanical & Manufacturing Engineering	B.E., M.S., Ph.D.	05	<ul style="list-style-type: none">• Thermal Engineering• Nanotechnology• Bio Sensors• Micro/Nano Fabrication
39	Dr. N.C. Mahendra Babu	Mechanical & Manufacturing Engineering	B.E., M.Tech., Ph.D.	30	<ul style="list-style-type: none">• Metal Fatigue Analysis• Fatigue Life Extension Techniques• Fracture Mechanics• Machinery Design• Structural Analysis
40	Dr. R. Suresh	Mechanical & Manufacturing Engineering	B.E., M.Tech., Ph.D.	17	<ul style="list-style-type: none">• Machining of Hard Materials• Non-Traditional Machining• Surface Coating• Composites Processing



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Faculty of Art and Design

Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
1	Dr. Mamatha. G. Hegde	Fashion Design	B.Sc., M.Sc., Ph.D.	17	<ul style="list-style-type: none">• Natural Dyeing, Printing, Finishing• Embroidery, Designing• Clothing, Apparel Marketing, Merchandising• Textile Fibres, Yarns, Fabrics• Weaving, Knitting, Nonwovens, Nano Fibres



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Faculty of Management and Commerce

Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
1	Dr. N. Suresh	Management Studies	B.E., M.E., MBA, Ph.D.	25	<ul style="list-style-type: none">• Finance and Accounting• Operations Management• Strategic Management•
2	Dr. Sandhya Iya	Management Studies	B.A., M.A., Ph.D.	24	<ul style="list-style-type: none">• Management of R&D/Tech Personnel• TQM – HR Interface• Employee Engagement• Japanese Management
3	Dr. J.P. Prasanna Kumar	Management Studies	M.Com., MBA, M.Phil., Ph.D.	35	<ul style="list-style-type: none">• Costing• Finance• Organisation Behaviour• Services Marketing
4	Dr. H.S. Srivatsa	Management Studies	B.E., M.Sc., Ph.D.	16	<ul style="list-style-type: none">• Digital Marketing• Customer Relationship Management (CRM)• Services Marketing• Green Marketing• Technology Adoption
5	Dr. A.C. Lokesh	Management Studies	B.Sc., M.Sc., Ph.D.	19	<ul style="list-style-type: none">• Renewable Energy• Lean Manufacturing• Innovation Management• Operations Management• Entrepreneurship



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Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
6	Dr. K.M. Sharath Kumar	Management Studies	B.E., MBA, Ph.D.	14	<ul style="list-style-type: none">• Operations Research and Management• Research Methodology and Data Analysis• Quantitative Modelling and Data Envelopment Analysis• Logistics and Supply Chain Management• Business Analysis
7	Dr. G. Devakumar	Management Studies	B.E., MBA, Ph.D.	23	<ul style="list-style-type: none">• Marketing Management• Brand Management• Strategic Management• Consumer Behaviour• Customer Relationship Management
8	Dr. Chandra Sen Mazumdar	Management Studies	B.Sc., M.Sc. (Engg.), Ph.D.	08	<ul style="list-style-type: none">• Supply Chain Management• Scheduling and Forecasting• Game Theory• Operations Research• Inventory Management
9	Dr. Mamatha S.V.	Management and Commerce	B.E, EPGDM, Ph.D.	18	<ul style="list-style-type: none">• Organizational Development• Innovation• Knowledge Management
10	Dr. V. Narendranath	Hospital Administration	MBBS, MD	17	<ul style="list-style-type: none">• Organization Behaviour• Health Care Facilities Planning• Human Resource• Operations Research



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Faculty of Dental Sciences

Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
1	Dr. N. Rakesh	Oral Medicine and Radiology	BDS, MDS, Ph.D.	12	<ul style="list-style-type: none">• Salivary Gland Disorders• Forensic Dentistry• Imaging
2	Dr. Hema Seshan	Periodontics	BDS, MDS	27	<ul style="list-style-type: none">• Advanced Diagnostic Aids• Biomaterials• Mucogingival Techniques
3	Dr. K. Kranti	Periodontics	BDS, MDS	14	<ul style="list-style-type: none">• Periodontal Disease Markers• Stem Cells in Periodontics• Genomics in Periodontics
4	Dr. Kavitha Prasad	Oral & Maxillofacial Surgery	BDS, MDS	21	<ul style="list-style-type: none">• Maxillofacial Pathology• Maxillofacial Trauma• Temporomandibular Joint Disorders• Cleft Lip and Palate• Orofacial Pain
5	Dr. K. Ranganath	Oral & Maxillofacial Surgery	BDS, MDS	22	<ul style="list-style-type: none">• Cadaver Based• Distraction Osteogenesis• Oncology• Congenital and Development Anomalies• Trauma



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Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
6	Dr. B.V. Sreenivasa Murthy	Conservative Dentistry and Endodontics	BDS, MDS	29	<ul style="list-style-type: none">• Molecular Biology• Biomaterials in Dentistry
7	Dr. Sylvia Mathew	Conservative Dentistry and Endodontics	BDS, MDS	22	<ul style="list-style-type: none">• Endodontics – Microbiology, Regeneration• Material Science
8	Dr. Swaroop Hegde	Conservative Dentistry and Endodontics	BDS, MDS	21	<ul style="list-style-type: none">• Micro Endodontics
9	Dr. V. George John	Conservative Dentistry and Endodontics	BDS, MDS	19	<ul style="list-style-type: none">• Advances in Dental Material Science• Endodontics – Lasers in Endodontics
10	Dr. G.S. Prashantha	Orthodontics	BDS, MDS	12	<ul style="list-style-type: none">• Growth Modulation• Bio – Mechanics• Clinical Innovations
11	Dr. M. Sunil Kumar	Orthodontics	BDS, MDS	11	<ul style="list-style-type: none">• Advances in Orthodontic Material Science• Lingual Orthodontics• Surgical Orthodontics• Contemporary Orthodontics in treatment Mechanics• Cleft lip and Cleft Palate
12	Dr. Roopa S. Rao	Oral Pathology and Microbiology	BDS, MDS	15	<ul style="list-style-type: none">• Oral Cancer and Precancer• Oral Microbiology• Forensic Odontology
13	Dr. K. Pushpanjali	Public Health Dentistry	BDS, MDS, Ph.D.	21	<ul style="list-style-type: none">• Oral Health Promotion• Dental Health Care Waste Management• School Oral Health Programmes• Health Profession Education



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Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
14	Dr. S. Suma	Dentistry Prosthodontics	BDS, MDS	16	<ul style="list-style-type: none">• Geriatrics and Nutrition• Maxillofacial Prosthodontics• Complete Denture• Cancer Related
15	Dr. K. Ravishankar	Dentistry Prosthodontics	BDS, MDS	14	<ul style="list-style-type: none">• Implantology• Material Science
16	Dr. Latha Anandakrishna	Pedodontics and Preventive Dentistry	BDS, MDS, Ph.D.	17	<ul style="list-style-type: none">• Cariology• Oral Microbiology and Immunology• Pharmacological Management



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Faculty of Pharmacy

Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
1	Dr. V. Madhavan	Pharmacognosy	B.Pharm., M.Pharm., Ph.D.	37	<ul style="list-style-type: none">• Standardisation of Herbal Drugs• Drugs Used in Alternative Systems of Medicine• Evaluation of Ayurvedic Formulation
2	Dr. V.L. Ashoka Babu	Pharmacognosy	B.Pharm., M.Pharm., Ph.D.	15	<ul style="list-style-type: none">• Pharmacognostical Studies• Phytochemical Studies• Pharmacological Evaluation such as Antioxidant, Hepatoprotective, Antidiabetic Activity• Tissue Culture• Hairy Root Culture
3	Dr. R. Gowri	Pharmacognosy	B.Pharm., M.Pharm., Ph.D.	14	<ul style="list-style-type: none">• Pharmacognostical Standardisation of Herbal Drugs and Extracts• Pharmacological Screening of Herbal Drugs / Extracts• HPTLC Analysis of Herbal Drugs / Extracts
4	Dr. K. Sundara Saravanan	Pharmacognosy	B.Pharm., M.Pharm., Ph.D.	10	<ul style="list-style-type: none">• Pharmacognostical Studies• Phytochemical Studies Involving Isolation of Constituents• Pharmacological Evaluation of Crude Drugs• Computer Aided Drug Design
5	Dr. D.R. Harish Kumar	Pharmaceutical Chemistry	B.Pharm., M.Pharm., Ph.D.	28	<ul style="list-style-type: none">• Synthetic Chemistry• Isolation of Phytoconstituents and Characterization of Natural Products



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6	Dr. Lakshmi M. Sundar	Pharmaceutical Chemistry	B.Pharm., M.Pharm., Ph.D.	11	<ul style="list-style-type: none">• Pre-Clinical Pharmacokinetics and Metabolism• Drug Herb Interactions• Population Pharmacokinetics• Pharmacokinetics and Pharmacodynamic (PKPD) Modelling
7	Dr. B.V. Suma	Pharmaceutical Chemistry	B.Pharm., M.Pharm., Ph.D.	20	<ul style="list-style-type: none">• Method Development and Validation Process Using Instrumental Analysis.• Synthesis of Organic Compounds Using Microwave
8	Dr. Parasuraman P.	Pharmaceutical Chemistry	B.Pharm., PGDCRDM, M.Pharm, Ph.D.	06	<ul style="list-style-type: none">• Cadd• Synthetic Phyto-Pharmacological• Peptide Synthesis• Isolation of Phytoconstituents and Characterization of Natural Products• Phyto-Pharmacological Screening
9	Dr. S. Bharath	Pharmaceutics	B.Pharm., M.Pharm., MBA, Ph.D.	22	<ul style="list-style-type: none">• Polymer Science• Oral Controlled Drug Delivery Systems• Ocular Drug Delivery Systems• Buccal Drug Delivery Systems• Nasal Drug Delivery Systems
10	Dr. B.V. Basavaraj	Pharmaceutics	B.Pharm., M.Pharm., Ph.D.	15	<ul style="list-style-type: none">• Gastroretentive Drug Delivery Systems• Nanotechnology• Advanced Drug Delivery Systems



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11	Dr. R. Deveswaran	Pharmaceutics	B.Pharm., M.Pharm., Ph.D.	16	<ul style="list-style-type: none">• Controlled Drug Delivery• Novel Drug Delivery• Analytical Method Development• Development of New Polymers, Excipients and Co-processed Excipients• Development and Evaluation of Herbal Formulations
12	Dr. Vijayanand Pujari	Pharmaceutics	B.Pharm., M.Pharm., Ph.D.	12	<ul style="list-style-type: none">• Novel Drug Delivery System• Herbal Formulations• Dietary Supplements• Controlled Drug Delivery Systems
13	Dr. Dhrubojyoti Mukherjee	Pharmaceutics	B.Pharm., M.Pharm., Ph.D.	10	<ul style="list-style-type: none">• Nano Particulate Drug Delivery System• Development of Scaffold Based Drug Delivery System• Development of Hydrogel Delivery for Local and Systematic Action• Design of Novel Formulations for Treatment of Osteoporosis• Design of Scaffold and Biomaterial Based Polymeric Network for Wound Healing
14	Dr. Sandhya K.V.	Pharmaceutics	B.Pharm., M.Pharm., Ph.D.	12	<ul style="list-style-type: none">• Oral Peptide Delivery• NDDS• Medical Devices• Screening of Molecules Using Different Biological Assays
15	Dr. J. Anbu	Pharmacology	B.Pharm., D.M.L.T., M.Pharm., Ph.D.	15	<ul style="list-style-type: none">• In VIVO Anticancer Activity• Pharmaco Kinetic Drug Interactions• Antidiabetic Studies• Hypolipidemic Activity & Wound Healing• Antinephrolithiatic Activity



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16	Dr. G.R. Saraswathy	Pharmacology	B.Pharm., M.Pharm., Ph.D.	14	<ul style="list-style-type: none">• Pharmacovigilance• Clinical Drug Interaction Studies• Neuro Pharmacology• Psycho Pharmacology
17	Dr. Mohammad Azamathulla	Pharmacology	B.Pharm., M.Pharm., Ph.D.	11	<ul style="list-style-type: none">• Cardiovascular Activity• Toxicity Studies• Antifertility Activity• Wound Healing Activity• Antiulcer Activity
18	Dr. Kesha M. Desai	Pharmacology	B.Pharm., M.Pharm., Ph.D.	05	<ul style="list-style-type: none">• Clinical Studies• Preclinical Study• In-Vitro Studies
19	Dr. E. Maheswari	Pharmacy Practice	B.Pharm., M.Pharm., Ph.D	09	<ul style="list-style-type: none">• Clinical Pharmacy• Community Pharmacy• Pharmacovigilance• Pharmacoeconomics and Pharmacoepidemiology• Poison and Drug Information Study
20	Dr. Mamatha K.	Pharmacy Practice	M pharm., Ph. D.	04	<ul style="list-style-type: none">• Drug Utilisation Evaluation• Pharmacoepidemiologic• Pharmacovigilance• Pharmacoeconomics



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21	Dr. Mudigubba Manoj Kumar	Pharmacy Practice	Pharm.D., Ph.D.	04 Years 04 Months	<ul style="list-style-type: none">• Pharmacy Practice• Epidemiology and Clinical Research
22	Dr. Manikanta Swamy Murahari	Pharmaceutical Chemistry	M. Pharm., Ph.D.	14	<ul style="list-style-type: none">• Medicinal Chemistry• Cancer Biology• Computer-aided drug design
23	Dr. Sindhu Abraham	Pharmaceutics	B.Pharm, M.Pharm, Ph.D.	09	<ul style="list-style-type: none">• Novel drug delivery systems Chronotherapeutic drug delivery systems• Novel formulations for wound healing



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Faculty of Mathematical and Physical Sciences

Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
1	Dr. R.S. Keshavamurthy	Physics	M.Sc., Ph.D.	33	<ul style="list-style-type: none">• Nuclear Physics and Technology of Reactor• Mathematical Methods and Quantum Mechanics• Environment• Radiation Protection
2	Dr. Vikas M. Shelar	Physics	B.Sc., M.Sc., Ph.D.	07	<ul style="list-style-type: none">• Laser Based Flow Visualization in Fluid Dynamics• Laser Spectroscopy• Fluorescence Spectroscopy• Nanotechnology
3	Dr. Manjunatha S.O.	Physics	B.Sc., M.Sc., Ph.D.	03	<ul style="list-style-type: none">• CMR Properties in Manganite and Cobaltite• Multiferroics• Nano Ferrites for High Frequency Application
4	Dr. B.S. Ravikumar	Physics	B.Sc., M.Sc., Ph.D.	08	<ul style="list-style-type: none">• Nanophosphors (Photo and Thermo-Luminescence)• Gas Sensors• Thin Films
5	Dr. M. Suguna	Physics	B.Sc., M.Sc., Ph.D.	35	<ul style="list-style-type: none">• Optoelectronics• Photonics• Nano-Technology
6	Dr. Premakumar H.B.	Physics	M.Sc., M.Phil. Ph.D.	18	<ul style="list-style-type: none">• Material Science• Nano Materials• Nano Phosphors• 18 Display Phosphors, Dosimetry
7	Dr. Shivanand Madolappa	Physics	B.Sc., M.Sc., Ph.D.	09	<ul style="list-style-type: none">• Electro Ceramics• Multiferroics• Nanomaterials



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8	Dr. Murali Krishnan M.	Physics	B.Sc., M.Sc., Ph.D.	09	<ul style="list-style-type: none">• Magnetic Thin Films and Multilayers• Nano-Magnetism• Spintronics in Multi-Layered Nanoscale Thin Films
9	Dr. Priyanka K.P.	Physics	B.Sc., M.Sc., Ph.D.	06	<ul style="list-style-type: none">• Material Sciences• Nanomaterials-Synthesis, Characterization and Applications• Supercapacitor Applications• Ecotoxicological Impact of Nanomaterials
10	Dr. Y.C. Sunil Kumar	Chemistry	B.Sc., M.Sc., Ph.D.	09	<ul style="list-style-type: none">• Medicinal Chemistry• Natural Product Synthesis
11	Dr. Sheetal Batkurki	Chemistry	B.Sc., M.Sc., Ph.D.	08	<ul style="list-style-type: none">• Heterocyclic Chemistry• Natural Product
12	Dr. T. Niranjana Prabhu	Chemistry	M.Sc., M.Tech., Ph.D.	15	<ul style="list-style-type: none">• Polymer Composite Materials• Nanomaterials• Wastewater Treatment
13	Dr. Jyotsna Kumar	Chemistry	B.Sc., M.Sc., Ph.D.	10	<ul style="list-style-type: none">• Catalyst• Green Chemistry• Environmental Chemistry• Barium Chemicals
14	Dr. A.G. Jineesh	Chemistry	B.Sc., M.Sc., Ph.D.	03	<ul style="list-style-type: none">• Elastomer Nanocomposites• Synthesis of Functionalized Nanomaterials• Polymer Blends and Alloys• Dynamic Mechanical and Rheological Properties of Composites• Green Composites



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Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
15	Dr. Vishnuvardhan T.K.	Chemistry	B.Sc., M.Sc., Ph.D.	21	<ul style="list-style-type: none">• Nano Metal Oxide• Synthesis Characterization• DNA Binding• Oscillating Chemical Reactions• Polymer Composites
16	Dr. Manikanda Prabhu N.	Chemistry	B.Sc., M.Sc., Ph.D.	07	<ul style="list-style-type: none">• Inorganic Chemistry• Catalysis• Functional Materials
17	Dr. Sumy Joseph	Chemistry	B.Sc., M.Sc., Ph.D.	08	<ul style="list-style-type: none">• Crystal Engineering of Organic Small Molecules• Materials Chemistry• Structure Property Correlation
18	Dr. A.S. Deepak	Mathematics	B.E., M.Sc., Ph.D.	11	<ul style="list-style-type: none">• Inverse Problems for Partial Differential Equations• Harmonic Analysis• Numerical Analysis• Mathematics Physics• Functional Analysis
19	Dr. S. Chandan Kumar	Mathematics	B.Sc., M.Sc., Ph.D.	06	<ul style="list-style-type: none">• Number Theory• Ramanujan's Theta Functions• Modular Equations• Continued Fractions



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Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
20	Dr. M. Shekar	Mathematics	B.Sc., M.Sc., Ph.D.	03	<ul style="list-style-type: none">• Convective Flow in a Corrugated Channel• Flow through Porous Medium• Immiscible Fluid Flows• Non-Newtonian Fluid Flow• Heat and Mass Transfer
21	Dr. G. Somashekhara	Mathematics	B.Sc., M.Sc., Ph.D.	13	<ul style="list-style-type: none">• Differential Geometry
22	Dr. Indira Narayanaswamy	Mathematics	B.Sc., M.Sc., Ph.D.	33	<ul style="list-style-type: none">• Multi-disciplinary Design Optimization (MDO)• CFD Applied to Aerodynamic Design• Applied Mathematics• Numerical Methods
23	Dr. B. Hemanthkumar	Mathematics	B.Sc., M.Sc., Ph.D.	08	<ul style="list-style-type: none">• Partition Theory• Number Theory• Special Functions-Theta Functions
24	Dr. Venu K.	Mathematics	B.Sc., M.Sc., Ph.D.	08	<ul style="list-style-type: none">• Differential Geometry• Riemannian Geometry• Differential Equations
25	Dr. Mahadev M. Chinnkote	Mathematics	B.Sc., M.Sc., M.Phil., Ph.D.	05	<ul style="list-style-type: none">• Fluid Mechanics• Convection• Stability Analysis
26	Dr. D.S. Gireesh	Mathematics	B.Sc., M.Sc., Ph.D.	02	<ul style="list-style-type: none">• q-series• Partition Theory• Theta Functions
27	Dr. Sumanth Bharadwaj H.S.	Mathematics	B.Sc., M.Sc., Ph.D.	04	<ul style="list-style-type: none">• q-series• Partition Theory• Theta Functions
28	Dr. Shivshankar C.	Mathematics	B.Sc., M.Sc., Ph.D.	05	<ul style="list-style-type: none">• Number Theory• Partition Theory



Ramaiah University of Applied Sciences

Research Division

Faculty of Life and Allied Health Sciences

Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
1	Dr. Soma Chaki	Biotechnology	B.Sc., M.Sc., Ph.D.	15	<ul style="list-style-type: none">• Immunology• Cell Biology• Glyco-biology• Phytotherapeutics
2	Dr. Rohini Keshava	Biotechnology	B.Sc., M.Sc., Ph.D.	08	<ul style="list-style-type: none">• Cancer Biology• Phytotherapeutics
3	Dr. Kavitha P.	Biotechnology	B.Sc., M.Sc., Ph.D.	10	<ul style="list-style-type: none">• Plant Metabolomics• Phytochemistry• Nutrition Science• Nutraceuticals• Vitamin B12 Enhancement in Plant Foods
4	Dr. Debasish Kar	Biotechnology	B.Sc., M.Sc., Ph.D.	06	<ul style="list-style-type: none">• Protein-Drug Interaction• Drug Modification• Designing an Inhibitor Molecule
5	Dr. Megha M. Katte	Food Technology	BHSc., M.Sc., Ph.D.	6 Months	<ul style="list-style-type: none">• Community Nutrition• Clinical Nutrition• Food Science



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Research Division

List of Approved External Research Supervisors

Faculty of Engineering and Technology					
Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
1.	Dr. Yogananda Vasudev Jeppu	Electronics and Communication Engineering	B.E., M.E., Ph.D.	27	<ul style="list-style-type: none"> • Safety of Critical Embedded Control Systems • Formal Verification and Validation • Guidance and Control System Design • Modelling and Simulation • Managing Innovation
2.	Dr. Gajbir Singh	Automotive and Aeronautical Engineering	B.E., M.Tech., Ph.D.	35	<ul style="list-style-type: none"> • Aerospace and Automotive Engineering • Heavy Engineering and Medical Devices
3.	Dr. K. Ramachandra	Automotive and Aeronautical Engineering	B.E., M.E., MBA, Ph.D.,	42	<ul style="list-style-type: none"> • Gas Turbine Research • Design Analysis: Stress, Vibration, Heat Transfer and Gear Box • Aerodynamic Studies
4.	Dr. Venkateswarlu Andra	Automotive and Aeronautical Engineering	B.E., M.Tech., Ph.D.	31	<ul style="list-style-type: none"> • Control Dynamics & Analysis • Cyber Security • Locomotive Engines • Digital Field Development
5.	Dr. Terry Williams	Automotive and Aeronautical Engineering	M.Sc., Ph.D.	27	<ul style="list-style-type: none"> • Crash Energy Management • Simulation and Validation • Computational Fluid Dynamics
6.	Dr. Margam Chandrasekaran	Mechanical & Manufacturing Engineering	B.E., M.S., Ph.D.	22	<ul style="list-style-type: none"> • Processing of Light Alloys and Nano Materials • Tribology and Characterization of Material Pairs (Including Biotribology) • Processing of Biomaterials (Polymeric, Metallic and Ceramin) for Tissue Engineering • Powder Metallurgical Processing • Recycling of Metallic Waste Materials



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Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
7.	Dr. Ezer Osei Yeboah Boateng	Computer Science and Engineering	B.Sc., M.Sc., Ph.D.	30	<ul style="list-style-type: none">• Cyber Security• Digital Forensics• Cloud Computing• Big Data• Neuro Fuzzy Systems
8.	Dr. Patrick OhemengGyaase	Computer Science and Engineering	B.Sc., M.Sc., Ph.D.	18	<ul style="list-style-type: none">• Telecommunication Policy and Standards• ICT Infrastructure and Financing• E-Commerce and E-Government• E-Learning Infrastructure and Applications
9.	Dr. Francis BoatengAgyesim	Mechanical and Manufacturing Engineering	B.Sc. (Honours) M.Sc., Ph.D.	14	<ul style="list-style-type: none">• Renewable Energy• Energy Efficiency• Environmental Performance Modelling• Building Research
10.	Dr.Osei Nana Adjei	Electronics and Communication Engineering	M.Sc., Ph.D.	42	<ul style="list-style-type: none">• Artificial Intelligence• Traffic Detection Using Hidden Markov Model• Machine Vision• Robotics• Computational Intelligence



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Research Division

Faculty of Management and Commerce

Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
1	Dr. Leburn Rose	Management Studies	B.Sc., M.Sc., MBA, Ph.D.	40	<ul style="list-style-type: none"> • Knowledge and Strategic Management • Engineering and Quality Management • Higher Education Management • Technology and Ethics • Research Methods • Corporate Social Responsibility (CSR)
2	Dr. Gurmail Singh	Management Studies	B.Sc., D.Phil.	41	<ul style="list-style-type: none"> • Engineering Management • Quality Management • Systems Analysis • Manufacturing and Materials Engineering
3	Dr. Eugene LAI	Management Studies	B.Sc., Ph.D.	35	<ul style="list-style-type: none"> • Entrepreneurial Leadership • Project Management • Maintenance Management
4.	Dr. Theophilus Maloreh Nyamekye	Management Studies	M.Sc, MBA, Ph.D.	19	<ul style="list-style-type: none"> • Procurement and Supply Chain Management • Health Service Marketing • Health Promotion • Quality Management in Health Care • Information, Education and Communication
5.	Dr. Albert Ahenkan	Management Studies	B.A, M.Phil. Ph.D.	16	<ul style="list-style-type: none"> • Sustainable Development • Health Policy and Management • Environment and Human Health • Health Services Management • Climate Change
6.	Dr. Robert Akparibo	Management Studies	B.Sc., M.Sc., M.Ed., Ph.D.	16	<ul style="list-style-type: none"> • Programme Evaluation • Implementation Research • Health Policy and Management • Maternal and Child Health • Nutrition Research • Method Strength –Mixed Methods Research - Qualitative & Quantitative



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Research Division

Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
7.	Dr. Anthony Owusu Ansah	Management Studies	B.Sc. (Honours) M.Sc., Ph.D.	10	<ul style="list-style-type: none">• Mortgage Markets and House Price Dynamics• Corporate Capital Structure Policies• International Finance• Valuation of Firms and Capital Structure• Market Efficiency and Dividends• Mergers & Acquisition
8.	Dr. Thomas Buabeng	Management Studies	B.A., MPA., M.Phil., Ph.D.	12	<ul style="list-style-type: none">• Public Policy and Social Preforms• Governance , Leadership and Globalization• Ethics in Management and Corporate Social Responsibility• Public Sector Finance• International Business Management
9.	Dr. Kofi Bobi Barimah	Public Health	B.A., M.A., Ph.D.	17	<ul style="list-style-type: none">• Public Health• Waste and Sanitation• Universal Health Coverage• HIV/AIDS• Traditional Medicine
10.	Dr. Chetan Singai	Management	B.A., M.A., M. Phil., M.A. LLL, Ph.D.	07	<ul style="list-style-type: none">• Management and Allied/Applied Areas• Energy and Environment• Public Health and Allied/Applied Health Sciences• Interdisciplinary Areas Related to Contemporary Issues



Ramaiah University of Applied Sciences

Research Division

Faculty of Dental Sciences

Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
1.	Dr. G. N. Anandakrishna	Prosthodontics	BDS, MDS	16	<ul style="list-style-type: none">• Oral Implantology along with Implant Designs• Implant Rehabilitation of Jaws• Esthetic Dentistry Including Smile Designing• Full Mouth Rehabilitation
2.	Dr. Mohamed Faizuddin	Periodontics	BDS, MDS	43	<ul style="list-style-type: none">• Periodontal Medicine• Host Modulation• Non-Surgical Periodontal Therapy



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Research Division

Faculty of Hotel Management & Catering Technology

Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
1.	Dr. Edem Kwesi Amenumey	Hospitality Management	B.A. (Honours) M.Phil., Ph.D.	17	<ul style="list-style-type: none">• Special Events Tourism• Hospitality and Tourism Education• Service Management• Operations Management



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Research Division

Faculty of Pharmacy

Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
1	Dr. Raghunadha Reddy Burri	Pharmaceutical Chemistry	B.Tech, M.Sc., Ph.D.	13	<ul style="list-style-type: none">• Computational Chemistry• Computational Biology• Bioinformatics• Algorithms Development• Database or Scientific Tool Development



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Research Division

Faculty of Life and Allied Health Sciences

Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
1.	Dr. A. Mumtaj	Food Processing and Technology	M.A., M.Sc., Ph.D.	18	<ul style="list-style-type: none">• Health and Nutrition• Dimensions of Child Development• Research Methodology
2.	Dr. Nagarathna A.	Biotechnology	M.Sc., M. Phil, Ph.D.	32	<ul style="list-style-type: none">• Bioremediation• Phytochemical and Biochemical Aspects• Honeybee Biology• Environmental Biotechnology
3.	Dr. Nagagireesh Bojanala	Biotechnology	B.Sc., M.Sc., Ph.D.	11	<ul style="list-style-type: none">• Development Biology• Genetics• Molecular Biology• Cell Biology
4.	Dr. Lakshmi Kanth R. N.	Biotechnology	B.Sc., M.Sc., Ph.D.	15	<ul style="list-style-type: none">• Plant Biotechnology• Botany• Environmental Biotechnology
5.	Dr. Pushpa H.	Microbiology	M.Sc., M. Phil, Ph.D.	20	<ul style="list-style-type: none">• Mycology• Biodiversity• Bioremediation• Bio prospecting• Nanotechnology
6.	Dr. Vemula Vani	Microbiology	B. Pharm., M.Tech, Ph.D.	14	<ul style="list-style-type: none">• Drug Designing and Development• Bioinformatics• Biotechnology• Immunotechnology
7.	Dr. Sneha Latha V.	Microbiology	B.Sc., M.Sc., Ph.D.	17	<ul style="list-style-type: none">• Agriculture Microbiology• Food Microbiology• Environmental Microbiology
8.	Dr. Vasantha Kumar Bhaskara	Biochemistry	B.Sc., M.Sc., Ph.D.	9	<ul style="list-style-type: none">• Cancer Cell Biology – Cancer Stem Cells• Triple Negative Breast Cancer – Pathology• Resveratrol as Anti – Cancer Agent



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Sl. No.	Name	Department	Qualification	Experience in Years	Areas of Research Interest
9.	Dr. Manju Rani	Biochemistry	B.Sc., M.Sc., Ph.D.	25	<ul style="list-style-type: none">• Extraction & Characterization of Bioactive Natural Components• Synthesis and Characterization of Organic Molecules• Compatibility of Ceramic Hip Joint & Knees Caps in Human Tissues
10.	Dr. M. Rajadurai	Biochemistry	B.Sc., M.Sc., Ph.D.	12	<ul style="list-style-type: none">• Free Radical Biology• Nutraceuticals• Preclinical Studies
11.	Dr. Vemula Vani	Microbiology	B. Pharm., M.Tech, Ph.D.	14	<ul style="list-style-type: none">• Drug Designing and Development• Bioinformatics• Biotechnology• Immunotechnology