



**RESEARCH THEMES AND RESEARCH INTERESTS OF ACADEMIC STAFF**

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
<b>FACULTY OF AGRICULTURE</b>		
	Physiology of digestion in ruminants Upgrading of low quality roughages Nutritional and management strategies, housing systems and manure-handling methods to reduce atmospheric emissions from livestock facilities	Assoc Prof F Driver
	Medicinal & Aromatic Plant Biotechnology Plant Biodiversity and Conservation Biotechnology for Natural Product Research	Dr J Govinden-Soulange
	Molecular Genetics (Plant/Microbial) Molecular Epidemiology of food-borne bacteria Disease-resistance genes in plant Molecular evolution of antibiotic-resistance genes	Assoc Prof Y Jaufeerally-Fakim
	Molecular Plant Pathology Phylogeny - DNA Sequence Analysis	Dr V Ranghoo-Sanmukhiya
	Design of experiments in Agriculture and Food Science Design and analysis of surveys Qualitative techniques Model-robust and model-sensitive designs Sequential design procedures Optimal experimental designs for linear and non-linear models	Dr A Ruggoo
	Heavy metals and other pollutants in the environment Conversion of wastes into fertilizers/compost/soil amendments Sustainable Agriculture/Organic Farming Agroforestry Soil/land use and land cover, and soil/land and water management and conservation Carbon sequestration, climate change GPS, GIS, Remote Sensing	Assoc Prof B Lalljee
	Plant Tissue Culture - micropropagation of endemic and ornamental plant species Plant Molecular Biology - DNA fingerprinting/characterization	Assoc Prof D Puchooa

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
	Ecofriendly crop protection (including biopesticides, microbial pesticides, botanical pesticides)  Sustainable Agriculture & organic Farming Quarantine and SPS issues Biodiversity and Conservation Climate Change	Assoc Prof S Facknath
	Consumer food hygiene and labelling knowledge, attitude and practice Implementation of food safety management systems throughout the food chain Use of sensory evaluation methods in food product development Evaluation of national food control systems Assessment of natural antioxidant extracts as potential food additives	Mrs B Aumjaud
	Food Control Consumer studies on food safety and hygiene Postharvest Technology	Assoc Prof D Goburdhun
	<i>(for MSc by research only)</i>  Sustainable crop production and naturally-occurring plant growth promoters Postharvest horticulture: shelf-life and packaging studies on fresh produce Good agricultural practices in crop enterprises Postharvest handling systems and minimal processing of horticultural crops Novel crops: agronomy, physiology and value-addition Hydroponics and protected culture	Mr N Boodia
	Hydrological modeling & GIS Phytoremediation Climate modeling Composting	Mrs S Oogathoo
	Entrepreneurship for agribusiness Farm management Agricultural Extension	Mr S Hardowar
	Research in Agronomic Crops Data Mining in DNA sequence, protein 3D modelling, ligand docking and drug design Characterization of agronomic plant pathogens Botanical and genetic classification of plants Agronomy and biotechnology of aromatic plants Landscaping trends, Ecology & Protection Turf management practices Plant conservation	Mr S S S Khoyratty

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	<p>Food processing of agricultural products, including post harvest technology and packaging</p> <p>Processing of locally produced plant and animal produce (e.g. milk, fish, venison) into value-added products e.g. cheeses, dried salted fish, fermented meats and study of the evolution of quality indicators (physical, chemical and microbiological) during processing.</p> <p>Innovative technique of simultaneous drying and salting of animal products using soaking treatment in concentrated solutions - study of mass transfer during the process</p> <p>Fried foods: study of oil uptake and water loss during frying, methods to reduce oil content of fried products, modelling</p> <p>Detection, isolation and biochemical and molecular characterization of microbial pathogens e.g. <i>Salmonella</i>, <i>Campylobacter</i>, <i>E.coli</i> in local foods</p>	Dr S Santchurn
	<p><i>(for MSc by research only)</i></p> <p>Agricultural marketing</p> <p>Agricultural management or Agribusiness management</p> <p>Food security</p> <p>Climate change and agriculture</p>	Mrs R Brizmohun-Gopaul

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
<b>FACULTY OF ENGINEERING</b>		
	<ul style="list-style-type: none"> <li>• ICT-Information Theory</li> <li>• Communication Systems: Network and Reliability</li> <li>• Intelligent/Computational Intelligent Systems: GA; Neural Networks; Fuzzy and Immune Systems</li> <li>• Energy: Renewables; Management; Policies</li> <li>• Optimisation Techniques: Theory and Applications; Multi-objective Optimisation</li> <li>• Regulation: Frameworks; Utility, Communications</li> <li>• Higher Education: University Management; Quality; Examinations</li> <li>• Nanomaterials: Theory &amp; Applications</li> <li>• Quantum Computing</li> </ul>	Prof H C S Rughooputh
	<ul style="list-style-type: none"> <li>• Communication theory</li> <li>• Source coding, channel coding and modulation</li> <li>• Network and wireless Security</li> <li>• Telemedicine</li> <li>• Renewable energy and energy for sustainable development</li> <li>• Energy efficient buildings</li> <li>• Energy management</li> </ul>	Prof K M S Soyjaudah
	<ul style="list-style-type: none"> <li>• Application Layer Forward Error Correction codes</li> <li>• Robust transmission of H.264 AVC over wireless networks</li> </ul>	Dr M A Hosany
	<ul style="list-style-type: none"> <li>• Power Electronics and its applications in the control motor drives</li> <li>• Photovoltaic and wind energy systems</li> </ul>	Assoc Prof I Jahmeerbacus
	<ul style="list-style-type: none"> <li>• Imaging Techniques and Applications</li> <li>• Signal Processing Applications</li> </ul>	Dr Y Bissessur
	<ul style="list-style-type: none"> <li>• Power Systems</li> <li>• Computational Intelligence</li> <li>• Optimization</li> </ul>	Dr R T F Ah King
	<ul style="list-style-type: none"> <li>• Control in the Process Industries</li> <li>• Control in Biological Systems</li> <li>• Control for Renewable Energy and Smart Grids</li> <li>• Advanced Energy Solutions for Power Plants</li> <li>• Dynamics and Control for the Artificial Pancreas</li> <li>• Control for Energy-Efficient Buildings</li> <li>• Control for Wind Power</li> <li>• Supply Chain as a Control Problem</li> </ul>	Dr S.Z SayedHassen
	<ul style="list-style-type: none"> <li>• Image compression and transmission algorithms for real-time and delay constrained applications.</li> <li>• Iterative receiver design for digital communication systems</li> </ul>	Dr T.P Fowdur
	<ul style="list-style-type: none"> <li>• Adaptive coding techniques for data transmission</li> <li>• Engineering Education</li> <li>• Renewable Energy</li> <li>• Econometrics as applied to power systems</li> </ul>	Dr B. Rajkumarsingh

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
	<ul style="list-style-type: none"> <li>• Growth of Nanostructured Materials               <ul style="list-style-type: none"> <li>• Nanomagnetism/Spin Transport in Magnetic Structures</li> </ul> </li> <li>• Domain Wall Logic</li> <li>• Spin Torque Devices</li> <li>• Solar Energy</li> </ul>	Dr S. Goolaup
	<ul style="list-style-type: none"> <li>• Experimental &amp; Theoretical Investigation of Surface Integrity Aspects of Non-Conventional Metal Machining Processes</li> <li>• Investigation of the Corrosion Phenomena of Stainless Steel 316</li> <li>• Application of Reliability Centered Maintenance (RCM) Strategy</li> <li>• Noise and Vibration analysis               <ul style="list-style-type: none"> <li>• Investigation of the 3D surface texture of metal surfaces due to common wear phenomena</li> <li>• Investigation of the Surface Integrity aspects of corroded metal surfaces</li> </ul> </li> <li>• Analysis &amp; Implementation of Quality Engineering strategies as part of a Quality Excellence Framework</li> </ul>	Assoc Prof H Ramasawmy
	<ul style="list-style-type: none"> <li>• Operations Research</li> <li>• Business Strategy Formulation and Auditing</li> <li>• Performance and Productivity Management</li> <li>• Benchmarking</li> <li>• Advanced Manufacturing Technology</li> <li>• Total Quality Management</li> </ul>	Assoc Prof D Hurreeram
	<ul style="list-style-type: none"> <li>• Energy Management</li> <li>• Energy Engineering</li> <li>• Energy &amp; Environment               <ul style="list-style-type: none"> <li>• Applications of Thermodynamics and Thermal Sciences including Steam Engineering</li> </ul> </li> <li>• Energy Policy               <ul style="list-style-type: none"> <li>• Environmental Monitoring &amp; Control with emphasis on Energy issue</li> <li>• Sustainable Development with emphasis on Climate Change Mitigation and Energy issues.</li> </ul> </li> </ul>	Assoc Prof K Elahee

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	<ul style="list-style-type: none"> <li>• Metallurgy</li> <li>• Materials and Processes</li> <li>• Energy &amp; Processing</li> <li>• Vibration Assisted Processing</li> <li>• Automation and Mechatronics Systems</li> </ul>	Dr S Venkannah
	<ul style="list-style-type: none"> <li>• Corrosion</li> <li>• Surface analysis</li> <li>• Sustainable use of energy</li> </ul>	Dr B.Y.R. Surnam
	<ul style="list-style-type: none"> <li>• Knitting technology (fabric manufacture)</li> </ul>	Mr J Chummun
	<ul style="list-style-type: none"> <li>• Solid Waste Management <ul style="list-style-type: none"> <li>- Composting</li> <li>- Wastes to Energy</li> </ul> </li> <li>• Environmental Management</li> <li>• Renewable Energy</li> <li>• Climate change</li> <li>• Energy efficiency</li> </ul>	Prof R Mohee
	<ul style="list-style-type: none"> <li>• Wastewater Engineering <ul style="list-style-type: none"> <li>- Environmental Management</li> </ul> </li> </ul>	Mr A K Ragen
	<ul style="list-style-type: none"> <li>• Quality Management Systems Implementation <ul style="list-style-type: none"> <li>- Total Quality Management for Engineering</li> <li>- Environmental and Quality Management</li> </ul> </li> <li>• Sustainable Development</li> </ul>	Dr F Khodabocus
	<ul style="list-style-type: none"> <li>• Renewable/Sustainable energy resources <ul style="list-style-type: none"> <li>- Cane processing systems analysis</li> <li>- Biomass energy resources</li> </ul> </li> </ul>	Dr V Seebaluck
	<ul style="list-style-type: none"> <li>• Hazards Analysis and Risk Assessment <ul style="list-style-type: none"> <li>- Environmental Management and Integrated Management Systems</li> <li>- Cleaner Production Technologies</li> <li>- Life Cycle Assessment</li> <li>- Industrial Ecology</li> </ul> </li> </ul>	Mrs V Dookhun
	<ul style="list-style-type: none"> <li>• Environmental Engineering and management</li> <li>• Energy from biomass (Anaerobic digestion)</li> </ul>	Mrs H Rughoonundun
	<ul style="list-style-type: none"> <li>• Environmental and Energy Engineering</li> </ul>	Dr D Suroop
	<ul style="list-style-type: none"> <li>• Biological &amp; Physico/Chemical treatment of solid wastes and wastewaters <ul style="list-style-type: none"> <li>- Environment Pollution</li> <li>- Green Engineering topics</li> </ul> </li> </ul>	Mr A Mudhoo
	<ul style="list-style-type: none"> <li>• Environmental and energy engineering; life cycle assessment, biomass conversion technologies, solid wastes treatment</li> </ul>	Mrs G Unmar
	<ul style="list-style-type: none"> <li>• Electrospinning</li> <li>• SME Development &amp; Empowerment</li> <li>• Surface Chemistry of Polymers</li> <li>• Textile Composites</li> </ul>	Assoc Prof S Rosunee

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
	<ul style="list-style-type: none"> <li>Life Cycle Assessments</li> <li>Business Sustainability Assessments</li> <li>Sustainable Buildings and Construction</li> <li>Sustainable Consumption and Production</li> <li>Environmental Modeling</li> <li>Water Resources Management</li> </ul>	Prof T Ramjeawon
	<ul style="list-style-type: none"> <li>Hydrology &amp; Water Resources</li> <li>Geotechnical Engineering</li> <li>Environmental Management</li> <li>Project Management</li> <li>Materials</li> </ul>	Assoc Prof M Allybokus
	<ul style="list-style-type: none"> <li>Hydrogeology of Volcanic basins</li> <li>Statistical modeling &amp; Drought predictions</li> <li>Applications of Geotechnical Information Systems</li> </ul>	Assoc Prof M Nowbuth
	<ul style="list-style-type: none"> <li>Distributed Systems and Middleware Technologies</li> <li>Grid Computing</li> <li>Mobile &amp; Ubiquitous Computing</li> </ul>	Assoc Prof O Moonian
	<ul style="list-style-type: none"> <li>Image Processing</li> <li>Vision Systems</li> <li>Human Computer Interaction</li> </ul>	Assoc Prof S Baichoo
	<ul style="list-style-type: none"> <li>Bioinformatics</li> <li>Distributed Systems</li> </ul>	Dr (Mrs) S Baichoo
	<ul style="list-style-type: none"> <li>Caching Architectures</li> <li>Multimedia Systems</li> </ul>	Dr B Sonah
	<ul style="list-style-type: none"> <li>Colouration of Polymeric Materials</li> <li>Colour Communication</li> <li>Colour Trends and Forecasting <ul style="list-style-type: none"> <li>Nanotechnology Application to Textile and Polymeric Materials</li> </ul> </li> <li>Garment Comfort and its Measurement</li> </ul>	Dr N Kistamah
	<ul style="list-style-type: none"> <li>Tactile Communication <ul style="list-style-type: none"> <li>Design theory &amp; concept for Fashion, textiles and interior</li> </ul> </li> <li>3-Dimensional printing &amp; relief surface pattern <ul style="list-style-type: none"> <li>Assistive clothing and fabrics for specific and niche market</li> <li>Environmental clothing, bio fashion and recycling materials</li> </ul> </li> <li>History of Design</li> <li>Design Crafts</li> </ul>	Mrs S Ramsamy-Iranah
	<ul style="list-style-type: none"> <li>Geometrical modeling of textile structures</li> <li>Computer visualisation of fibrous materials</li> <li>Realistic simulation of surface appearance</li> </ul>	Mr R Unmar
	<ul style="list-style-type: none"> <li>Sustainable product design and development <ul style="list-style-type: none"> <li>Use of indigenous materials for crafts through design innovation</li> </ul> </li> <li>Textile with eco prints and weaves <ul style="list-style-type: none"> <li>Designing and product development for recyclable textile materials</li> </ul> </li> <li>Surface design for textiles</li> </ul>	Mrs. A V Soocheta

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
<b>FACULTY OF LAW AND MANAGEMENT</b>		
<b>Management</b>	<ul style="list-style-type: none"> <li>• Service Quality and Customer Care</li> <li>• Environmental Marketing</li> <li>• Sustainable Tourism and Development</li> <li>• Strategic Management and Marketing</li> <li>• Customer Relationship Management, eMarketing and eCRM</li> <li>• Corporate Social Responsibility &amp; Marketing Practices</li> </ul>	Assoc Prof T D Juwaheer
	<ul style="list-style-type: none"> <li>• Human Resource Management</li> <li>• Organisational Behaviour</li> <li>• Gender in Organisations</li> <li>• Organisational Culture</li> <li>• Change Management</li> <li>• International and Cross Cultural Management</li> </ul>	Assoc Prof A Ramguttu-Wong
	<ul style="list-style-type: none"> <li>• Corruption in Developing Countries</li> <li>• Ethics and Corporate Social Responsibility</li> </ul>	Assoc Prof G Napal
	<ul style="list-style-type: none"> <li>• Business Excellence</li> <li>• Quality Management</li> </ul>	Dr A K Seebaluck
	<ul style="list-style-type: none"> <li>• Performance Management</li> <li>• Pay Determination in Organisation Human Capital and Effectiveness</li> <li>• Employee Relations</li> <li>• Motivation and Effectiveness</li> <li>• Women Entrepreneurship</li> <li>• Human Resource Systems</li> <li>• Human Resource Practices</li> </ul>	Dr P Baguant
	<ul style="list-style-type: none"> <li>• Quality Assurance/Quality Management</li> <li>• Corporate Social Responsibility</li> <li>• Tourism and Sustainable Development</li> <li>• Training</li> <li>• SMEs</li> <li>• Service Quality, Customer Satisfaction, Retention and Loyalty</li> <li>• Research Methods</li> <li>• Design and Analysis of Surveys – Quantitative Analysis</li> <li>• Operations Research</li> </ul>	Dr D Ramasawmy

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
Finance and Accounting	<ul style="list-style-type: none"> <li>• SMEs and Entrepreneurship</li> <li>• Costing &amp; Management Accounting</li> <li>• SMEs and their Related Environment</li> </ul>	Assoc Prof J S Matadeen
	<ul style="list-style-type: none"> <li>• Multinationals &amp; EPZs</li> <li>• International Business</li> <li>• WTO</li> <li>• Regional Trade Agreement</li> <li>• Foreign Direct Investment</li> </ul>	Assoc Prof R V Sannassee
Law	<ul style="list-style-type: none"> <li>• International Humanitarian Law</li> <li>• Public International Law</li> <li>• Human Rights</li> <li>• Civil Law</li> </ul>	Assoc Prof R P Gunpath

### **FACULTY OF SCIENCE**

Biosciences	<ul style="list-style-type: none"> <li>• Freshwater and Marine Ecology</li> <li>• Mangrove Ecosystem</li> <li>• Crustacean Taxonomy and Biodiversity</li> <li>• Aquaculture</li> </ul>	Dr C Appadoo
	<ul style="list-style-type: none"> <li>• Anti-oxidant &amp; Free Radical Research</li> <li>• Functional Food Science</li> <li>• Biotechnology</li> </ul>	Prof T Bahorun
	<ul style="list-style-type: none"> <li>• Environment/Pollution</li> <li>• Oceanography/Marine Science</li> </ul>	Assoc Prof D Daby/ Dr R Bhagooli
	<ul style="list-style-type: none"> <li>• Ecology</li> <li>• Natural Resources</li> <li>• Limnology &amp; Wetlands</li> <li>• Sustainable Development</li> </ul>	
	<ul style="list-style-type: none"> <li>• Tropical Forest Ecology</li> <li>• Conservation Management</li> <li>• Invasive Alien Species Impact and Control</li> <li>• Ecosystem Restoration</li> </ul>	Dr V Florens
	<ul style="list-style-type: none"> <li>• Plant Physiology</li> <li>• Biotechnology</li> <li>• Biodiversity</li> <li>• Biofuels</li> </ul>	Dr S Jawaheer
Medicine	<ul style="list-style-type: none"> <li>• Molecular Biology</li> <li>• Molecular Plant Pathology</li> <li>• Bioinformatics</li> </ul>	Dr N Taleb-Hossenkhan
	<ul style="list-style-type: none"> <li>• Genetics of premature coronary heart disease</li> <li>• Interaction between environmental and genetic factors in type 2 diabetes</li> <li>• Causes and evolution of Non-Alcoholic Fatty Liver Disease (NAFLD)</li> </ul>	Dr M D Manraj
	<ul style="list-style-type: none"> <li>• Chikungunya long term effects</li> <li>• Epidemic intelligence</li> <li>• Environmental health impact</li> <li>• Growth studies in children</li> </ul>	Dr S Goorah

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
Chemistry	<ul style="list-style-type: none"> <li>• Polymer Science – Biomaterials - Polymer Therapeutics and Drug Delivery</li> </ul>	Dr A Bhaw-Luximon Prof D Jhurry
	<ul style="list-style-type: none"> <li>• Organic Chemistry/Surfactant Chemistry derived from Natural Products</li> </ul>	Dr P Caumul
	<ul style="list-style-type: none"> <li>• Chemistry and Pharmacology of Medical Plant Extracts</li> </ul>	Prof A Gurib-Fakim
	<ul style="list-style-type: none"> <li>• Organic Chemistry/Chemistry and Pharmacology of Marine Organisms</li> </ul>	Assoc Prof H Li Kam Wah Assoc Prof S Jhaumeer-Laulloo Dr N S Choong Kwet Yive
	<ul style="list-style-type: none"> <li>• Organometallic Chemistry/Coordination Chemistry</li> </ul>	Assoc Prof H Li Kam Wah Assoc Prof M Bhowon
	<ul style="list-style-type: none"> <li>• Computational Chemistry/Theoretical Chemistry</li> </ul>	Assoc Prof P Ramasami
	<ul style="list-style-type: none"> <li>• Environmental Science/Coastal Science</li> </ul>	Assoc Prof R Ramessur Dr N S Choong Kwet Yive Dr K Boodhoo
Health Sciences	<ul style="list-style-type: none"> <li>• Immunology and ageing</li> <li>• Molecular Parasitology</li> <li>• Epidemiology</li> <li>• Ecotoxicology and Environmental Health</li> <li>• Infectious Diseases</li> <li>• Molecular Biology and Genetics</li> </ul>	Assoc Prof S Bhagwant Dr N Kotea
	<ul style="list-style-type: none"> <li>• Nutrition and Health Sciences</li> <li>• Nutritional Biochemistry</li> <li>• Physiology</li> </ul>	Dr P Pugo-Gunsam
	<ul style="list-style-type: none"> <li>• Carcinogenesis and Pathogenesis of Non Communicable and Communicable Diseases</li> </ul>	Assoc Prof S P Seetulsingh-Goorah
	<ul style="list-style-type: none"> <li>• Medical Biochemistry and Biochemical Pharmacology</li> <li>• Environmental Health</li> </ul>	Prof A H Subratty
Mathematics	<ul style="list-style-type: none"> <li>• Financial Engineering Subthemes: <ul style="list-style-type: none"> <li>• Option Pricing Algorithms</li> <li>• Numerical Methods for Financial Risk Management</li> </ul> </li> </ul>	Prof M Bhuruth
	<ul style="list-style-type: none"> <li>• Numerical Linear Algebra</li> <li>• Scientific Visualisation</li> <li>• Image Processing</li> <li>• Computational Mathematics</li> <li>• Computational Statistics</li> </ul>	Dr R Boojhawon
	<ul style="list-style-type: none"> <li>• Modelling and Simulation in the field of Finance, Biosciences and Environment</li> <li>• Mathematical Education</li> </ul>	Dr P Gonpot
	<ul style="list-style-type: none"> <li>• Computational Mathematics</li> <li>• Computational Finance</li> <li>• Numerical Linear Algebra</li> </ul>	Dr A Gopaul

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
	<ul style="list-style-type: none"> <li>• Operational Research</li> <li>• Network Optimisation</li> <li>• Communication Networks</li> <li>• Inventory Models</li> </ul>	Dr A K Maulloo (on leave)
	<ul style="list-style-type: none"> <li>• Theoretical and Computational Statistics               <ul style="list-style-type: none"> <li>• Statistical Modelling and Analysis of Bio-medical &amp; Socio-economic data</li> </ul> </li> </ul>	Assoc Prof V Jowaheer
	<ul style="list-style-type: none"> <li>• Computational Fluid Dynamics</li> <li>• Numerical Methods</li> <li>• Dynamical Systems</li> </ul>	Dr Z Dauhoo
Physics	<ul style="list-style-type: none"> <li>• Radioastronomy               <ol style="list-style-type: none"> <li>1) Continuum &amp; spectral RF electronics &amp; data acquisition back end</li> <li>2) Antenna &amp; front end design</li> <li>3) Continuum data processing &amp; Image analysis</li> </ol> <ul style="list-style-type: none"> <li>2) Multi-wavelength array</li> <li>3) Solar spectral data processing &amp; analysis</li> </ul> </li> <li>• Bio-magnetism Modeling</li> <li>• Physical Modeling</li> </ul>	Dr G K Beeharry
	<ul style="list-style-type: none"> <li>• Radioastronomy               <ol style="list-style-type: none"> <li>(i) Image Processing</li> <li>(ii) Galactic Astronomy (Supernova Remnants, HII regions, ...)</li> <li>(iii) Extragalactic Astronomy (AGNs, Radio Galaxies, Quasars, ...)</li> </ol> </li> <li>• Pulsar Astronomy</li> <li>• Multiwavelength Astronomy</li> </ul>	Assoc Prof N Issur Assoc Prof R Somanah
	<ul style="list-style-type: none"> <li>• Coupled Thermal - Electromagnetic Simulations</li> <li>• Applications of RF and Microwave energy</li> </ul>	Dr S Oree
	<ul style="list-style-type: none"> <li>• Complex Systems               <ul style="list-style-type: none"> <li>• Infectious disease modeling, forecasting and epidemiology</li> </ul> </li> <li>• Image Analysis</li> <li>• Cardiovascular Physics</li> <li>• Photonic Crystals</li> <li>• Bioinformatics</li> <li>• Population "Dynamics</li> <li>• Solid State Physics</li> <li>• Epidemic Intelligence</li> </ul>	Assoc Prof K Ramchurn
	<ul style="list-style-type: none"> <li>• Polymer Science</li> <li>• Environmental Science</li> <li>• Renewable Energy</li> <li>• Image Processing</li> <li>• GIS &amp; Remote Sensing</li> <li>• Oceanography</li> <li>• Climate Change</li> </ul>	Prof S D D V Rughooputh

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
<b>FACULTY OF SOCIAL STUDIES AND HUMANITIES</b>		
<b>Economics &amp; Statistics</b>	Public Sector Economics & Public Policies	Prof S K Sobhee Assoc Prof K Jankee Dr Y N Madhoo Dr T Ramessur
	Monetary Economics	Assoc Prof K Jankee Dr A J Khadaroo
	Corporate Finance / Financial Economics	Assoc Prof K Bundoo Dr I Ramlall Dr H Kasseeah
	Development Economics	Dr T Ramessur Dr V Tandrayen
	Environmental Economics and Natural Resource Management	Prof S K Sobhee  Dr Y N Madhoo
	Statistical Modeling & Computing	Dr N Mamodekhan
	Econometric Modeling & Forecasting	Dr J Khadaroo Dr B Nowbutsing
	International Trade & Regionalisation	Dr V Tandrayen Dr B Bheemul Dr B Nowbutsing
	Applied Macroeconomics	Prof S Sobhee Assoc Prof Jankee Dr J Khadaroo
<b>French Studies</b>	Littératures francophones Littérature mauricienne Littératures francophones et comparées : Océan Indien/ Caraïbe Contes, mythes et traditions populaires de l'Océan Indien Didactologie : Langues, Littératures et Cultures Interculturalités, indianités et créolités	Assoc Prof K R Issur (MA, MPhil/PhD)
	Littératures des îles Littératures comparées Théâtre Indianité(s), histoire et Littérature Littérature Féministe	Assoc Prof S. Boolell (MA, MPhil/PhD)

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
	Sartre Littérature française 20ème Siècle Structuralisme Sémiotique Stylistique Linguistique française Sociolinguistique Plurilinguisme Créolistique Droits Linguistiques	Dr K Daby (MA, MPhil/PhD)  Dr A Carpooran (MA, MPhil/PhD)
	Linguistique de l'énonciation Linguistique textuelle Plurilinguisme et Pluriculturalité Cultures orales Enseignement / apprentissage de l'oral Etudes créoles	Dr D Police-Michel (MA, MPhil/PhD)
	Le roman français de XXe siècle Le roman français contemporain Le roman mauricien du XXe siècle Le roman mauricien contemporain Littérature compare Littérature et sociocritique Littérature, stylistique, sémiotique et énonciation  Littérature et didactique Littérature et didactique	Dr Sachita Samboo
	Linguistique Appropriation des langues en milieu plurilingue  Acquisition des langues Troubles du langage/ de la parole	Mrs Y Bosquet-Ballah (MA)
	Enseignement / Apprentissage des langues en contexte multilingue L'évaluation des langues en contexte multilingue  Le curriculum scolaire Analyse comparative des systèmes éducatifs Analyse comparative des méthodologies d'enseignement Oralité et interculturalité	Ms V Ballgobin (MA)
<b>Social Studies</b>	Broad area of Gender and Development	Prof S Bunwaree (MA, MPhil/PhD)
	Ethics Acculturation Work-Family	Assoc Prof U Bhowon (MA, MPhil/PhD)
	Media Information and Communication Development Popular Culture/Identity	Dr R Kasenally (MA, MPhil/PhD)
	ICTs Intercultural Communication Development Communication Media Studies	Dr M Paroomal (MA, MPhil/PhD)

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
English Studies	Cultural Studies/Popular Culture Postmodernism/Poststructuralism Indian Literature in English Diaspora Feminism	Dr D N Bhautoo-Dewnarain (MA, MPhil/PhD)
	<ul style="list-style-type: none"> <li>• Popular Music</li> <li>• Media/New Media</li> <li>• Discourses of Islam</li> <li>• Nation and Citizenship</li> <li>• Diasporic Identity Formations (Black Diaspora)</li> </ul>	Dr N B O Lallmahomed-Aumeerally (MA, MPhil/PhD)
	Second Language Acquisition Language Policy and Language Planning Language in Education Issues Language, Power and Ideology Teaching English in Multilingual Settings	Dr S K Mahadeo (MA, MPhil/PhD)
	Cultural Studies Discourses on race and ethnicity Multiculturalism American Studies Multiethnic U.S Literatures Ethnicity and Nationalism in Multiethnic/multicultural societies	Dr S Wong Kong Luong (MA, MPhil/PhD)
	<i>(for MA by research only)</i>  Film Studies (Hollywood, Bollywood and Avant-Garde) Cultural Studies Phenomenology Feminism and Queer Theory Postcolonialism and Diaspora Studies African Literature Creative Writing Latin American and Spanish Literatures	Mr F A K S Khoyratty
History and Political Science	Social Economic and Political History of Mauritius  Indian Ocean Studies Slavery and Indenture International History	Assoc Prof J Chan Low (MA, MPhil)  Assoc Prof V Teelock, GOSK (MA, MPhil/PhD)  Assoc Prof R Allen (external)
	Heritage Studies Paleontology	Dr A Janoo (MA, MPhil/PhD)
	Cultural and Historical Anthropology	Assoc Prof R Boswell (external) (MA, MPhil/PhD)

**N.B :In case of interdisciplinary research ( i.e., History and Anthropology), supervisors from each of the fields will co-supervise.**

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
<b>LIFELONG LEARNING CLUSTER</b>		
	<i>(for MSc/MA by Research Programmes only)</i>	
	Educational and Instructional Technology Open Education Resources for Teaching and Learning E-Pedagogies IPR issues related to Open Learning Computer-aided Language Learning Mobile Learning	Mr M Santally
	Open and Online Learning Open Education Resources for Teaching and Learning Instructional Design Quality Assurance for e-Learning	Mrs S Gunness
	Visual Communication in e-learning contexts Concept Mapping for teaching and learning Pedagogical Multimedia Applications and Learning Difficulties	Mrs D Cooshna-Naik

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
<b>MAHATMA GANDHI INSTITUTE</b>		
<b>School of Indian Studies</b>	Gender Issues	Associate Professor Dr (Mrs.) D. Ramdhony / Dr (Mrs.) A. Dunpath / Dr. (Mrs.) S.K. Bhowon - Ramsarah
	Hindi Studies in the Indian Diaspora	Associate Professor Dr (Mrs.) D Ramdhony
	Linguistics with special reference to socio-linguistic Language, Society and Culture	Associate Professor Dr. P. Tiroumalechetty
	Hindi Literature	Dr. (Ms.) R. Gobin / Dr (Mrs.) S. K. Bhowon - Ramsarah / Dr. (Mrs.) A. Dunpath
	Linguistics with special reference to socio-linguistic studies Second Language Teaching and Learning Language, Folklore and Culture Studies History of Telugu Literature	Dr R. Appadoo
	Urdu Literature	Dr R. Gokhool
	Tamil Studies Literature	Dr K. Sornum
	Second Language Teaching and Learning Indian Diaspora	Dr J. Chemen
	Hindi in Mauritius (Socio-linguistic perspective) Mauritian Hindi Literature	Dr H. Soonder
	Hindi - Second Language Teaching and Learning	Dr J. Lallbeeharry
	Telugu Literature Second Language Teaching and Learning	Dr G. Reddy-Luthmoodoo
	Distance Education Teacher's Education	Dr (Mrs.) C. Ragoonundun
	<b>School of Mauritian and Area Studies</b>	Migration and Settlement Marché et Sociétés
Society and Culture Social Anthropology Women and Gender Studies Society and Religion Food		Dr P Ramhota
Social Geography History of Health		Dr (Mrs.) A Jahangeer-Chojoo
<b>School of Performing Arts</b>	Music Pedagogy  Voice Culture Aesthetics of Music Ethnomusicology Historical Development Music Therapy as an alternative for substance abuse in Mauritius The impact of Electronic Media on Indian Classical Vocal Music The challenge of fund raising from Creativity and music performances at national level Disseminating the knowledge of Indian Raga to younger generation and low ability educands in Mauritius Tradition greeting innovation	Dr (Mrs) P Manohur-Hungsraz

DEPARTMENT	RESEARCH THEMES / RESEARCH INTERESTS	CONTACT PERSON
	Indian Dance Indian Classical Dance Kathak Dance	Dr (Mrs) P Mungar-Purgus
	Indian Music Instrumental Music Making and repair of musical instruments Sitar	Dr D Ramkalawon
	Indian Music (Vocal and Instrumental (Sitar)) Evolution and development of Hindustani Classical Music in Mauritius The Bhojpuri cultural tradition (Music and Dance)	Dr (Mrs) G Ramyad
	Hindustani Music (North Indian Classical Music)  Compositional Work in Hindustani Music Raga Development in different Gharanas	Dr (Mrs) A Seewoogoolam