

Details of Ongoing / Completed Projects

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency
Fabrication and Elucidation of a Flexible and Wearable Biochemical Sensor to Examine Alcohol Level in Human Sweat through Detection of Ethyl Glucuronide	Dr. Rajeshwari	DST- SERB
Application of IRNSS receiver in GNSS-R reflectometry with specific reference to Ocean, Himalayan ice/snow and land surface.	Gayathri K M Manjula T R Vasudha M P	ISRO SAC- AO
Differential Positioning Algorithms based on IRNSS	Ramesh Raju/Dr.Dushyanth	ISRO SAC- AO
Study and correction of SAR images for ionosphere scintillation effects at L and S band using IRNSS ionosphere data.	Manjula T R Gayathri K M Manjunath K N Vasudha M P	ISRO SAC- AO
Real-time / Near real-time display and mapping of IRNSS-Generated data from a rover	Mohamed Umair Bagali Dr. Thangadurai. N	ISRO SAC- AO
Wisdom Tradition, Cultural Creativity and Social Integration: Exploring the Spiritual Legacy of Karnataka	Dr. Rajani Jairam	ICPR & Santhigiri Research Foundation
Study of Vrddha-Garga-samhita a.k.a Garga-Jyothishya	Dr. R.N. Iyengar	INDIAN COUNCIL OF HISTORICAL Research
Research on Corporate upskilling in this machine age.	Dr. Rajdeep Manvani	Institute of Skills
The impact of Management consultancies on small scale business development	Rajasimha A Makaram	ISDC
Hostel management system	Majunath C R	Inurture
Fungus detection in Food Products	Gopala Krishna K	Nutriparadise
Analysis on effective modes of teaching self-paced, blended and classroom based programmes for students	Dr. Anantha Subramanya Iyer K.N.	G Seas
Optimization of product portfolio sales and associated risks due to vast range of products and diversity’.	Ms. Neelima M.	Basket Option
A study on various investment options available in India, their popularity, advantages, disadvantages, and growth of these investment options in the last decade.	Ms.Nasreen Sayyed	Flip Coin Investments
An investigative analysis of portfolio management based on securities priced using the CAPM model.	Mr.Srinivas G.	Red Lounge Capital
Benefits of Workforce Analytics Approach towards mapping emotional intelligence in human resource in the construction industry	Ms.Sheetal V. Hukkeri	Global Workforce Management Forum
Study on analysis of customer satisfaction level towards software automation (ERP).	Dr. Ujjal Mukherjee	Campus Time
Advertising strategies to enhance educational sales.	Dr. Sharat Kumar	Miles Education
Optimisation of Porduct portfolio sales and their risk subject to product width and diversity	Ms.Vandana Talreja	Accelera Technologies

Factors that decide the acceptance of upskilling and early career counseling.	Dr. Sangeeta Devanathan	Seventh Sense People Development Solutions
Advertising strategies to enhance sales.	Dr. A.V.R Mahadev	TecVidya
IoT based Solar Power Monitoring System	Sunil M P	Elton Technologies Ltd, London UK
Design and development of photocatalytic metal oxynitride nanostructures for energy and environmental applications (INSPIRE faculty)	Dr. M. Sakar	DST-INSPIRE
Improving the activity and stability of nanogel caged enzymes in presence of neoteric solvents for facile biocatalysis	Dr. Dibyendu Mondal	DST- SERB
Removal of Arsenic and fluoride from the ground water using membrane filtration	Dr. Mahesh S Padaki	VGST
Development of New Molybdenum-Isonitrile Complex Catalyzed Processes and its Application in Basic Chemistry	Dr. Ramesh B. Dateer	DST- SERB
Evaluation of L - Band SAR data for soil moisture applications	Neelima N, Dr. Pradeepa Deepa T P	ISRO SAC- AO
Ambulance siren sensor deployed Traffic monitoring and Proactive systems	Dr. Santhosh Naik	VGST
Boron Combustion Studies with Gaseous & liquid fuels in a Gas turbine Combustor at Ambient Pressure	Dr. C S Bhaskar Dixit	GTRE, DRDO, Govt. of India
Examination of cross-border mergers and acquisition strategies for managing human resources.	Dr. Anita Walia	GWFM
Strategies to attract angel investors	Dr. Preetha Chandran	Passion Connect
Research on Study Abroad, Student Mobility and International Student Exchange	Ms. Yamuna G.	Roots and Abroad Pvt. Ltd
Strategic Design and Implementation of an Online Investment Management System.	Dr. Avijit Bakshi	Red Lounge
Supply chain management integration and implementation	Mr. Rajiv Umeshchandra Kalebar	Fright Inn Pvt Ltd
Study on Contribution to Environmental Sustainability	Dr. Sireesha Nanduri	Energia Solar Power Solution Pvt Ltd
A research on Student Housing that provides best-of-accommodation, food, security, hygiene & cleanliness with leveraging technology	Dr. Varsha Agarwal	Campus Student Community
Reliability estimation in OO systems using machine learning techniques	Dr. Devaraj Verma C	Elton Consulting (India) Pvt Ltd
Strategies to take vocational education to rural India	Ms. Usha N.	Almas College of Vocational Studies
Competition Mapping for export of Flower to GCC Countries	Dr. Arun Bhattacharyya	AV Lifestyles
A HOLISTIC FRAMEWORK FOR INFORMATION SYSTEM FOR THE MANAGEMENT OF INDOOR ENVIRONMENTAL QUALITIES (IEQ) IN BUILT FACILITIES	Dr. Hemanth Kumar S	Intellisol Integrated services Pvt Ltd

Synthesis, characterization and application of Carbon nano tubes	Dr. Benaka Prasad S.B.	Tech Acon Ventures Pvt. Ltd.
An analysis of reward and promotion policy for the better prospects of organization	Dr. Shilpa Sampath Kumar	Swamitva
Low cost housing-analysis	Dr. Dushyanth V Babu R	LIMOTEX Projects and Infrastructure
An analytical study on patient satisfaction and medical facilities provided by Health Care Centres.	Dr. Supriya Rai	St. James School of Medicine
A study and analysis of the factors affecting the consumer buying behaviour towards eco friendly plastic products.	Dr. Sahana Madan	Harsh Plasto Metalizers Pvt Ltd
Analysis of exit interview as a tool to improve retention	Dr. Nisha Goyal	I Guru Jobs
A study on various investment options available in India, their popularity, advantages, disadvantages, and growth of these investment options in the last decade.	Dr. Umakanth S.	Stock Market Institute
Analysis of Safety at the construction site	Mr. Pavan P.S.	Valmark Group
Educational Strategies and Social Media	Mr. Avinash Raj David	IIAHSR
Ordered and functional nanomaterials for water treatment applications	Dr. S. K. Nataraj and Dr. Geetha Balakrishna	DST-Nanomission
Development of solid state super capacitor using Novel electrode materials.	Dr. Mahesh S Padaki	DST
High performance microsupercapacitors based on vertically standing NiCo2S4/Graphene arrays with insights from perand Raman spectroscopy investigations and DFT studies	Dr. Chandra Sekhar Rout	SERB-DST
Defect engineering of 2D transition metal carbide-grapheneheterostructures for high performance hybrid electronic devices	Dr. Chandra Sekhar Rout	DST
A Novel Approach for the Synthesis of Privileged Structural Motifs of the Drug Molecules and Natural Products: The Transition Metal Catalyzed C-H Activation Strategies and It's Applications	Dr. Ramesh B. Dateer	DST- SERB
Complexation on the Surface of Metal Halide Perovskite Nanocrystals for Application as Energy Materials	Dr. Satyapriya Bhandari	DST-INSPIRE
Multimeric RGD containing Protein nanotubes conjugated with Gold nanorods for specific Cancer cell recognition and Therapeutics (TARE)	Dr. Varsha Brahmkhatri	SERB-DST (TARE)
Multiple Bonds between Transition Metals and Boron: Syntheses and Reactions of the Borylidyne Complexes"	Dr. Shubhankar Kumar Bose	SERB-DST
Towards Developing Flexible Miniaturized Lithium-Sulfur Batteries	Dr. Debasis Ghosh	SERB-DST
Design and Controlled Fabrication of Anisotropic Nanoparticles for Catalysis and Sensing Applications	Dr. Akshaya K. Samal	SERB-DST
Synthesis of large area 2Dvertical heterostructures of graphene-metal/metal oxide and study their electrochemical and catalytic properties (2018-2020)	Dr Manav Saxena	SERB-DST
Design and Development of CsAX3 (A=Pb/Sn; X=Cl, Br, I) Perovskite Nanocrystals as the Emerging Class of Materials for Multiplex Biosensing	Dr. Geetha Balakrishna	SERB-DST

Energy storage devices based on 2D MXene and layered transition metal chalcogenides hybrids	Dr. Chandra Sekhar Rout	VGST
Controlled Synthesis of Anisotropic Nanomaterials for Detection of Pesticides	Dr. Akshaya K. Samal	VGST
Development of Strategies and Database for Automated 3D laser forming of Complex Shapes for AA2024 Aluminium Alloy”	Dr. venkadeshwaran k	SERB
Effective Use of Social Media in the Hiring Process	Dr. Komal Khandelwal	Dot Connect
Protection of Load and Charge in Solar Power Management	Raghu N	Power Plus Innovation Technologies
Effective Strategies for supporting innovations using Machine Learning	Sahana Shetty	IGURU Technologies
Investors perceptions and practices towards stop loss order during intra day trading.	Dr. Shivaranjani G	Flip Coin Investments
Construction management with focus on life time health & maintenance management of Structures.	Dr. Shenbagavalli R	Swamitva
Research on EdTech Start-Ups & Businesses in theEmerging Markets	Dr. Smita Kavatekar	Miles Education
Analysis of Data Mining Methods for linked data	Dr. Muralidhar Subramaniam	Accelera Technologies
Corporate Market Penetration Strategies	Dr. Srinidhi V.R.	Edu Shastra Mission
Cloud Deployment Model	Dr.Kuldeep Sharma	Elton Technologies Ltd, London UK
Risk Evaluation and Management involved in a supply chain.	Dr. Mahesh M V	Fright Inn Pvt Ltd
Framework for database management system integrated with cloud based services	Mr. Gadug Sudhamsu	G Seas
Hydrogen production using solar energy	Ms. Archana S.	Tech Acon Ventures Pvt Ltd
Rapid testing using cognitive computing, predictive engineering and machine learning	Dr. Suchitra R.	Hachiko Technologies
Designing a Scientific Screening Process for a Recruitment consulting firm	Ms.Nasreen Sayyed	Intellisol integrated services Pvt Ltd
Increasing strength of buildings by introducing new materials in construction (bentonite, marble dust, rice husk)	Ms. Ashwini D.G.	Valmark Group
Framework to make supply chain ecosystem of food grains stronger	Ms. Yamuna G.	AV Lifestyle
Advertising strategies to enhance educational sales.	Dr. Ramakrishna T.R.	Innurture
Improving Storage of Renewables. ... Research on energy storage for a small and large scale RES power plants	Dr. Priya Makhija	Energia Solar Power Solution Pvt Ltd

Feasibility Study of Plastic (HDPE) water storage tanks	Dr. Juhi Mukesh Jain	Harsh Plasto Metalizers Pvt Ltd
A Novel Feedback System for Refinement and Improvement of Counselling based Pedagogy	Dr. Uma Maheswari S	Passion Connect
Impact of customer to customer interaction and customer homogeneity on customer satisfaction in tourism sector.	Dr. Ajay Massand	Envisage Global
Study on medical tourism and growth of Healthcare sector.	Ms. Shwetha B.V.	St. James School of Medicine
Analysis of privitization of essential services (viz.,Metro and bus services)	Dr. Supriya Rai	Mantrax Solutions
Cost-Effective construction technology / Low cost Housing	Dr. Sahana Madan	Limotex Projects and Infrastructure
Strategic Planning for ISDCs India operations	Dr. Easwaran Iyer	ISDC
Immunological Capturing of Circulating Tumor Cells (CTCs) by Novel lab-on-Chip Microfluidic Devices	Dr Mahaveer Kurkuri	DST-TDP
Biomass Derived Heteroatom Doped Graphene and Hard Carbon Composites for Energy Storage Application	Dr. Debasis Ghosh and Dr. S. K. Nataraj	DST-TMD
Development Of Metal-Organic Framework Nanofiber Based Photocatalytic Membranes And Reactors For Multi-Polluted Water Treatment	Dr. R Geetha Balkrishna	SERB - ASEAN
Design and development of photocatalytic membranes for simultaneous water disinfection and filtration	Dr. Sakar Mohan and Dr. R Geetha Balkrishna	DST – TMD (EWO)
Development of Heavy Metal Ion Sensor for Food and Water Analysis	Dr. DH Nagaraj	DST
Self-charged energy storage devices based on defect engineered advanced heterojunction materials	Dr. Chandra Sekhar Rout	DST Nanomission
Investigation of Stall Characteristics and Surge Detection of Small Gas Turbine Engines	Dr. Antonio Davis and Co. PI Dr. Allamaprabhu	GTRE (DRDO)
Prognostic analysis of crack initiation and growth in non-linear problems of structural Joints as a part of development of digital twin	Dr. B. Dattaguru, Dr. A.R. Upadhya	Aero R&D Board
	Dr. Bhargavi D Hemmige	National Council for Education Research, NCERT, Ministry of
A study on the effectiveness of Juvenile Justice Homes in India (Under Juvenile Justice Act of 2015)	Dr. Bhargavi D Hemmige	Bureau of Police Research and Development, GOI
DST-NIMAT Project 2019-20 Entrepreneurship Awareness Camp (EAC)	Dr.G.Komarasamy (PI)	DST-NIMAT
Study of Thanjavur Song Notations from Microfilms	Dr. Arati Rao	Regional Director, IGNCA RCB
Design in Malicious node detection in Internet of things based on uncertain decision	Dr. Hariprasad SA	Advent Electronics Global Pvt. Ltd
Design in dynamic window scalar multiplication in elliptical curve cryptography for securing communication between cloud and cloud user	Dr. Hariprasad SA	Advent Electronics Global Pvt. Ltd

Design of hybrid power generation system by using wind, solar and hybrid energy models	Dr. Pushpa Rajesh	Advent Electronics Global Pvt. Ltd
Developing effective transportation strategy for perishables.	Dr. Dinesh N	Golden Flora International Pvt Ltd
Data analytics and advanced analytics techniques to help organizations gain a competitive advantage in customer segmentation.	Dr. Periasamy P	Elton Technologies Ltd, London UK
Improving test automation using algorithms	Mr. Chetana G	IGURU Technologies
Framework for a technology assisted Counselling Observation System	Dr. Ruby John	Signet Academy
Impact of online education on primary school childrens	Dr. Bikash Ranjan Debata	Edu Shashtra Mission
Supply chain management integration and implementation	Dr. Samini Rajesh Mathew	Fright Inn Pvt Ltd
Improving the Digital presence for expanding reach and improved Marketing efficiency	Dr. Bidhi Kashyap	Campus Student Community
Determining Interactivity Enriching Features for Effective Interactive Learning Environments	Dr. Rajashi Chatterjee	Institute of Skills
The study of customer perceptions towards ayurvedic health products.	Dr. Uma M H	Prana Healthcare, Mumbai
The impact of production planning and control on operational cost of the manufacturing industry	Mr. Avinash Raj David	Accelera Technologies
Analysis on long term retirement investing options	Devpriya Dey	Red Lounge
Designing a Teaching learning plan for students from the rural background.	Dr. Manita Deepak Shah	Future Educity Pvt Ltd
Reliability estimation in OO systems using machine learning techniques	Ms. Sujatha K	Hachiko Technologies Pvt Ltd.
Strategic Retention Plan for Clients from the IT sector	Dr. Shruti D Naik	Career Graph
Design an appropriate framework for generating an assessment instrument and automate the process of evaluating the quality of the instrument	Dr. Prathima M	Tecvidya Edu Solution Pvt ltd
Design and development of prototype for making nutrition food for people with Chronic diseases	Amar Shankar and Sunil M P	Nutri Paradise
Developing an alternate technology for real-time performance tracking. CRM Tool	Dr. Sachin Kumaragouda Parappagoudar	Basket Options Pvt Ltd.
Competitive Features in Tourism	Dr. Sabahat Fathima	Envisage Global
Framework for Developing Smart Fridge using AI and ML	Dr. Narayan Swamy	Futureense Technologies
Market Research on preferences of the job seeking candidates from different domains.	Dr. Vidya Chandrasekar	Miles Education

Hollow Fiber – based portable membrane reactor for liquid-liquid separation in pharmaceutical and fuel industries	Dr. R Geetha Balakrishna	DST
Functional materials for interdisciplinary application	Dr. R Geetha Balakrishna and Dr Ramesh	Ministry of Saudi Arabia
Functionalized MXenes/Metal Selenide (MSe ₂) and Metal Phospho-Tri-Selenide Nanohybrids: Electrochemical and Photo-electrochemical Hydrogen Evolution	Dr. Shwetharani	DST-SERB (TARE)
Design and development of new cost effective carbazole based hole transporting materials for perovskite solar cells	Dr. Ahipa T. N.	SERB
Cobalt, nickel and palladium carbene complexes as molecular electrocatalysts for overall water splitting	Dr. Srinivasa Budagumpi	SERB
FRET enabled fluorescent ratiometric temperature sensors on plasmonic nanoparticles : self-limiting hyperthermic nanoparticles	Dr. Shajesh	SERB
Combustion of Boron Slurry Fuel in a slinger combustor at Ambient and High pressures (~3 bar)	Dr. C S Bhaskar Dixit	DRDO, GTRE,
Indigenous Development of an ergonomically designed Fire Entry Suit	Dr.Ghoshal S	DRDO,CFEES
The impact of production planning and control on operational cost of the manufacturing industry	Dr Sreekumar K	Le Marc India Establishment LLP
Advancement in Construction Technologies, framework for improvement.	Dr. Dushyant V Babu and Mr. Raghavendra	Limotex Projects and Infrastructure
Exploring factors that lead to participation in e scholarship.	Dr. Jitendra Kumar Jaiswal	Golden Flora International Pvt Ltd.
An analytical study on patient satisfaction and medical facilities provided by Health Care Centres.	Dr. Swetha N	Prana Healthcare, Mumbai
Design and development of Portable device for early diabetes detection	Dr.Hariprasad S A	Tech Acon Ventures Pvt Ltd
Framework for developing a SaaS learning management tool	Dr. Geeti Sharma	Career Graph
Digital Marketing Roadmap for Increasing Brand Awareness	Dr. Ramakrishna T.R.	ISDC
Steps to blogging your way to business success	Ms. Ayesha Samreen	Futureense Technologies
Design and fabrication of low cost analytical devices for rapid detection of hazardous ions in potable water	Prof Mahaveer Kurkuri	DST