Sponsored Research Projects from Govt. Agencies (DST, SERB-DST, VGST, ISRO, ARDB, AICTE, UGC, KSCST, ICMR)

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Duration of the project in months
YEAR 2016-17						
Purification and preparation of nanococktail of active principles of folk medicinal plants as first-aid formulation for snake bite victims	Dr. Sunil S. More / Dr. Gautham S.A.	DST, SERB - Extra Mural Research Grant	Government	SBAS	2016-17	36
Investigations on intestinal neuropeptides as anticolitogenic agents on mitochondrial function for the maintenance of colon epit-hglial tract in rrlcerative colitis.	Dr. Arpan Kumar Maiti, Dr. Gautham S A, and Dr. Sunil S More	DST, SERB - Extra Mural Research Grant	Government	SBAS	2016-17	36
Crystal Engineering Of Nutraceuticals As New Chemical Entities	Dr.K.Anand solomon	DST, SERB - Extra Mural Research Grant	Government	CHEMISTRY - SOE	2016-17	36
Isolation of matricryptic peptides from marine industry waste involved in nanocrystal hydroxyapatite formation and fabrication of a peptide based osseointegrative implant coating	Dr. Pradipta Banerjee	DST, SERB - Early Career Research Award	Government	SBAS	2016-17	36

			YEAR 2017-18				
Investigations on reduced graphene oxide in the aspect of its possible application for the development of a radiation sensor.	Dr. Baishali Garai	DST, SERB - Early Career Research Award	Government	PHYSICS - SOE	2017-18	36	
Functionalized meso / microporous nanostructured metal oxides sendor for screening dispersed heavy metal ions: One-shot disposable sensor strips.	Dr. Ashoka S	DST, SERB - Early Career Research Award	Government	CHEMISTRY - SOE	2017-18	36	
Design and development of a miniaturized low cost graphene based radiation detector for space applications	Dr. Baishali Garai	ISRO-RESPOND	Government	PHYSICS - SOE	2017-18	36	
			YEAR 2018-19				
Design and Development of an IoT based "Profiling Aquatic Diffusion System" using Robotic Sensor Networks-	Dr .Pushpamala S	KSTePS, VGST-RGS/F	Government	ECE	2018-19	12	
Fabrication of Mesoporous Metal oxide electrochemical sensor for on-site quantification toxic metal ions in contaminated water	Dr. Ashoka S	KSTePS, VGST-RGS/F	Government	CHEMISTRY - SOE	2018-19	12	
Mathematical Modeling and simulation of blood flow in the cardiovascular system	Dr. Sunanda Saha	DST, SERB - Early Career Research Award	Government	Maths - SOE	2018-19	36	
Telltale of Galactic Black hole X-ray binaries from AstroSat archival observations.	Dr. Radhika D.	ISRO-SSPO	Government	PHYSICS - SOE	2018-19	48	
Separation of Biobutanol via scalable approach of pervaporation: To be a "Viable Biofuel for Future"	Dr. Santosh Choudhari	DST, SERB - Core Research Grant	Government	SBAS	2018-19	36	

Investigation of spectro-temporal variabilities of stellar mass Black Hole X-ray binaries using Astrostat.	Dr. Radhika D.	ISRO-RESPOND	Government	PHYSICS - SOE	2018-19	36
YEAR 2019-20						
Design And Development Of Smart Robotic Based Magnetically Impelled Arc Butt Welding Equipment For Joining Ferrous And Non Ferrous Tubes	S. Arungalai Vendan	DST - TDT scheme	Government	ECE	2019-20	36
Mathematical modelling and simulation of solute dynamics in the vascular walls	Dr. Sunanda Saha	KSTePS, VGST-RGS/F	Government	SOE-Maths	2019-20	12
YEAR 2020-21						
Design and development of algorithms to distinguish between surface and subsurface targets using deep submerged arrays	G V Anand	NPOL, CARS scheme	Government	ECE	2020-21	12
Corrosion testing of fiber metal laminates using droplet cell microscopy	Dr. Viswanathan R	DST, SERB - Core Research Grant	Government	Mechanical Engg	2020-21	36
Object Detection, Tracking And Behavioural Analysis	Dr. Reeja S R	KSCST	Government	CSE	2020-21	12
A Remedial Approach Using Novel Microorganisms To Minimize The Industrial Effluent Containing Heavy Metals To Water Bodies Of Bangalore	Dr. SHILPA B M / Dr. MANJULA N G	KSCST	Government	SBAS	2020-21	12

Assessment of the nutritional status of pulmonary TB patients who have received Nikshay Poshan Yojana scheme residing in Ramanagara district, India by using N-TB mobile application- A cross-sectional study	Dr. Santosh K Yatnatti	Ministry of Health and Family Welfare, SAARC TB and HIV & AIDS Centre (STAC) scheme	Government	CDSIMER	2020-21	6
YEAR 2021-22						
Active Flutter Suppression of Composite Wing Embedded with Shape. Memory Alloys (SMAs)	Dr. Rammohan B / Ravitej Y P	ARDB, DRDO	Government	Mechanical Engg	2021-22	24
Production of coloured cotton using ancient chemical formulations taken from the Sanskrit text Vishvavallabha	Dr. Sharatkumar Variyar / Dr. Sreenivasa Rao Amaraneni	AICTE - IKS Research Projects Scheme	Government	ASE	2021-22	24
Development Of Novel Pervaporation Membranes For The Separation Of Biobutanol: "To Be A Viable Next Generation Biofuel"	Dr. Santosh Choudhari	KSCST	Government	SBAS	2021-22	12
Bioremedial Approach For Synthetic Malachite Green Dye From The Industrial Effluents By Potential Dye Degrading Bacteria	Dr. Manjula N G / Dr. Shilpa Bm	KSCST	Government	SBAS	2021-22	12
Machine Learning Based Depression Analysis Using Electroencephalography	Dr Rajesh T M	KSCST	Government	CSE	2021-22	12
Design And Experimentation Of A Low-Cost Exertion Gauntlet For Lymphedema	Dr. Pushpamala S	KSCST	Government	ECE	2021-22	12
Automatic Tyre Pressure And Metal Detection System In Four Wheeler	Sandeep M J	KSCST	Government	Mechanical Engg	2021-22	12

Synthesis and characterisation of hybrid ceramic membrane materials and design of photocatalytic reactor for drinking water purification from multiple pesticides: An evaluating the performance study	Dr. Sreenivasa Rao Amaraneni	UGC-DAE CSR Project	Government	CHEMISTRY - SOE	2021-22	12
YEAR 2022-23						
Design and Development of low cost (rGO)/Si doped tungsten trioxide (WO3) based Gas sensor for human breath analysis applications	Dr. K. Vijaya Kumar	Indian council of Medical Research(ICMR)	Government	SOE-PHYSICS	2022-23	36
Graphene Oxide (GO) and reduced graphene oxide (rGO) based nanomaterials for photothermal supercapacitor applications	Dr. Yogesh Kalegowda	SERB	Government	SOE-PHYSICS	2022-23	36
Magneto electric Spin orbit (MESO) logic for the energy-efficient, beyond CMOS computing applications	Dr. Suresh Pittala	SERB	Government	SOE-PHYSICS	2022-23	36

Digital Twin-Smart Tool Holder	Dr. Suresh Nagesh	CMTI	Government	Mechanical Engg	2022-23	12
Automated Weld Detection System	Dr. Suresh Nagesh	CMTI	Government	Mechanical Engg	2022-23	12
Smart heat treatment system	Dr. Suresh Nagesh	CMTI	Government	Mechanical Engg	2022-23	12