



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

YELAHANKA BENGALURU – 560 064

Research Projects – Ongoing

Date: 29.02.2024

Sl. No.	Name of the PI/Co-PI	Department	Title of the Project	Sponsoring agency	Amount Rs. in lakhs	Date and Financial Year of sanction
1	Dr. Ramakrishnappa (PI)	Chemistry	Chemical functionalization of Si with 2Dstructures: Anode materials for lithium ion battery with significantly improved volumetric capacity	Department of Science and Technology-Materials for Energy Storage (DST-MES)	35.508	29-06-2018 2019-22
2	Dr. Bharathi M.A (PI)	AI&ML	Establishment of centre for design and research of health care applications using Artificial Intelligence	VGST-K-FIST	20.00	27-12-2019 2019-20
3	Dr. Jyothi C Abbar (PI)	Chemistry	Organic Electroactive Materials for High Performance Mg-Ion Rechargeable batteries	DST-TARE	18.30	15-12-2020 2019-22
4	Dr. C Kavitha (PI)	Physics	Efficiency improvement of ultra-capacitors using binary metal oxide nano composites	VGST-K-FIST(L2)	20.00	19-11-2021 2021-22
5	Dr. Suresh Kumar (PI)	Chemistry	Edge functionalized graphene nanoplatelets with quinones as cathode materials for Li-ion battery applications	DST-SERB-Teachers Associateship for Research Excellence (TARE)	18.30	26-01-2022 2021-24
6	Dr. Bharathi Malakreddy A (PI) Dr. G. Lohtin (CoPI)	AI&ML	A product of Risk Estimation in Neurocognitive Disorders, Enabled with radio genomics and Digitised Neurocognitive Test Batteries (Development of Imaging Analytics	VTU – Research Grant Scheme - 2021	15.00	02-03-2022 2021-22

			Pipeline for oncological medical Images)			
7	Dr. Seema Singh (PI) Mrs. Chandra Prabha R (CoPI)	ETE	An Automated Support System for Diagnosis of Cervical Cancer deep learning based artificial intelligence for mass screening	VTU – Research Grant Scheme - 2021	11.00	02-03-2022 2021-22
8	Dr. Deepak M S	Civil Engg.	Advancement and Applications of High-Strength High-Performance Concrete Utilising Electrical Arc Furnace Steel Slag Residue and Copper Slag Aggregates	DST-SERB-Teachers Associateship for Research Excellence (TARE)	18.30	31-10-2022 2022-25
9	Dr. Sabina Rahaman	ECE	Fabrication of low-cost Cu ₃ BiS ₃ /ZnS - based thin film solar cell using ultrasonic spray pyrolysis	DST-SERB-Teachers Associateship for Research Excellence (TARE)	18.30	31-10-2022 2022-23
10	Dr. Basavaraj R B	Physics	Inorganic Organic Hybrid Core/Shell Materials for Optoelectronic and Security ink Applications	VGST-K-FIST(L1)	15.00	21-01-2023 2022-23
Total INR (Lakhs)					189.708	-