

## Seed Money/ Research Grant (Phase-I) Office order Issue dt. 02.09.2023

Sl. No.	Department	Research Project Title	Name of PI	Sanctioned Amount [Rs.]
1	AMD	Analyzing the characteristic behaviour of 3D bulk heterojunction device towards multisensing POC application	Dr. Uvanesh Kasiviswanathan	500,000.00
2	AMD	Erosion Performance of thermo-mechanically treated plain carbon steels.	Dr. Brij Kishor	500,000.00
3	AMD	Influence of Water Parameters on corrosion behaviour of different microstructures made from pipeline steels in freely aerated 3.5% NaCl and simulated soil environment with and without the presence of chlorides.	Dr. Kirtiratan Godbole	500,000.00
4	CED	Assessment of axial load carrying capacity of the skirted- conical footing in sand	Dr. Mantu Majumder	500,000.00
5	CED	Sustainable utilization of kota stone dust and sugarcane bagasse ash in dense and gap graded bituminous mixes	Dr. Jayvant Choudhary	500,000.00
6	CED	Preparation and assessment of high performance and thermally efficient construction material : a way towards sustainable construction technology	Dr. Snehal K	500,000.00
7	CED	Sustainable Utilization of Industrial Wastes as Fine and Cement Replacement in Rigid Pavements	Dr. Ajay Kumar Manderwalia	500,000.00
8	CED	Phosphorous recovery from sewage sludge by struvite precipitation	Dr. Kanika Saxena	500,000.00
9	CED	Development and Application of Simple Performance Test for Rutting Performance Evaluation of Asphalt Mixes	Dr. Bharat Rajan	500,000.00
10	Chemical Engg.	Development of biomass derived nanomaterials for sensing and environmental applications.	Dr. Dheeraj Ahuja	500,000.00
11	Chemical Engg.	Computational and experimental Investigation of the bio-electrochemical cell-based sensor for water quality monitoring	Dr. Karthick S.	500,000.00
12	Chemistry	Combination of silver / copper metal oxide and the activated charcoal obtained from biowastes for wastewater treatment	Dr. Bhaskar Devu Mukri,	500,000.00
13	Chemistry	Rational Designing of Bioactive Fluorescent Coumarin-Based Drugs: Quantifying their Interaction and Binding Mode with the Blood Proteins and DNA	Dr. Soumyadipta Rakshit	500,000.00
14	CSED	Action Recognition and Action Anticipation in First Person Videos	Dr. Abhimanyu Sahu	500,000.00
15	CSED	Brain disease classification using Neuromorphic computing and Electroencephalogram (EEG) signals.	Dr. Kailash Wamanrao Kalare	500,000.00
16	CSED	Computational Intelligence for Disaster Management using Online Social Media.	Dr. Abhinav Kumar	500,000.00
17	CSED	A Blockchain-based Privacy-Preserving Framework for Distributed Applications.	Dr. Amit Biswas	500,000.00
18	CSED	Quantum-Enabled Lightweight Security for Internet of Things	Dr. Indu Dohare	500,000.00
19	CSED	Novel large-scale non-parallel hyper planes models for emotions classification based on physiological signals such as EEG and ECG signals.	Dr. Deepak Gupta	500,000.00
20	ECED	Density Functional Theory Based Molecular Dynamics	Dr. Satish Chandra	500,000.00
21	ECED	Design and Development of Flexible & Wearable Low-Cost Nanocomposite Based Self Powered Electronic Nose.	Dr. Deepak Punetha	500,000.00
22	Mathmatics	Mathematical methods development to study the flow of non-Newtonian Fluid through modulsted Micro/Nanochannel.	Dr. Naren Bag	500,000.00
23	Mathmatics	Development of robust evolutionary algorithms for solving real-time optimization problems of smart cities	Dr. Shubham gupta	500,000.00
24	Physics	Multifunctional rare earth free M(M=Cu/Mn/Cr)doped $k_3AlF_6$ nanophosphors for anti counterfeiting applications	Dr. Sandeep Kumar	500,000.00
25	SMS	Employee engagement parameters as an operational mechanism for the sustenance of on organization in present era.	Dr. Premalatha P.	500,000.00