

Seed Money/ Research Grant (Phase-I)				
Sl. No.	Department	Research Project Title	Name of PI	Sanctioned Amount
1	AMD	Analyzing the characteristic behaviour of 3D bulk heterojunction device towards multisensing POC application	Dr. Uvanesh Kasiviswanathan	5,00,000
2	AMD	Erosion Performance of thermo-mechanically treated plain carbon steels.	Dr. Brij Kishor	5,00,000
3	AMD	Design and development of entropy stabilized Magneli oxides for energy applications	Dr. Suresh Bandi	5,00,000
4	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	5,00,000
5	AMD	Recycling of polymer waste to reduce environmental threats.	Dr. Uday Shankar	5,00,000
6	AMD	Auxetic Knee Pad Prototype	Dr. Renganthan Sujithra	5,00,000
7	CED	Assessment of axial load carrying capacity of the skirted- conical footing in sand	Dr. Mantu Majumder	5,00,000
8	CED	Sustainable utilization of kota stone dust and sugarcane bagasse ash in dense and gap graded bituminous mixes	Dr. Jayvant Choudhary	5,00,000
9	CED	Preparation and assessment of high performance and thermally efficient construction material : a way towards sustainable construction technology	Dr. Snehal K	5,00,000
10	CED	Sustainable Utilization of Industrial Wastes as Fine and Cement Replacement in Rigid Pavements	Dr. Ajay Kumar	5,00,000
11	CED	Phosphorous recovery from sewage sludge by struvite precipitation	Dr. Kanika Saxena	5,00,000
12	CED	Development and Application of Simple Performance Test for Rutting Performance Evaluation of Asphalt Mixes	Dr. Bharat Rajan	5,00,000
13	Chemical Eng	Development of biomass derived nanomaterials for sensing and environmental applications.	Dr. Dheeraj Ahuja	5,00,000
14	Chemical Eng	Computational and experimental Investigation of the bio-electrochemical cell-based sensor for water quality monitoring	Dr. Karthick S.	5,00,000

15	Chemistry	Combination of silver / copper metal oxide and the activated charcoal obtained from biowastes for wastewater treatment	Dr. Bhaskar Devu Mukri,	5,00,000
16	Chemistry	Rational Designing of Bioactive Fluorescent Coumarin-Based Drugs: Quantifying their Interaction and Binding Mode with the Blood Proteins and DNA	Dr. Soumyadipta Rakshit	5,00,000
17	CSED	Design and Development of Post-Quantum Cryptography Algorithm for Secure Bilateral Communication under Distributed Infrastructure	Dr. Janani T	5,00,000
18	CSED	Action Recognition and Action Anticipation in First Person Videos	Dr. Abhimanyu Sahu	5,00,000
19	CSED	Brain disease classification using Neuromorphic computing and Electroencephalogram (EEG) signals.	Dr. Kailash Wamanrao Kalare	5,00,000
20	CSED	Computational Intelligence for Disaster Management using Online Social Media.	Dr. Abhinav Kumar	5,00,000
21	CSED	A Blockchain-based Privacy-Preserving Framework for Distributed Applications.	Dr. Amit Biswas	5,00,000
22	CSED	Quantum-Enabled Lightweight Security for Internet of Things	Dr. Indu Dohare	5,00,000
23	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	5,00,000
24	ECED	Density Functional Theory Based Molecular Dynamics	Dr. Satish Chandra	5,00,000
25	ECED	Fabrication of Photo-Activated Zinc Oxide-based Printed Schottky Diode	Dr. Vimal Kumar Singh Yadav	5,00,000
26	ECED	Design and Development of Flexible & Wearable Low-Cost Nanocomposite Based Self Powered Electronic Nose.	Dr. Deepak Punetha	5,00,000
27	Mathmatics	Mathematical methods development to study the flow of non-Newtonian Fluid through modulsted Micro/Nanochannel.	Dr. Naren Bag	5,00,000
28	Mathmatics	Development of robust evolutionary algorithms for solving real-time optimization problems of smart cities	Dr. Shubham gupta	5,00,000

29	MED	Mechatronic design and development of advanced dexterous sensorized robotic multi-fingered hands for grasping and manipulation research.	Dr. Roshan Kumar Hota	5,00,000
30	Physics	Investigate magnetization dynamics of ultrathin magnetic thin films interfaced with high spin orbit coupling materials for low power spin-electronics	Dr. Surbhi Gupta	5,00,000
31	Physics	Multifunctional rare earth free M(M=Cu/Mn/Cr)doped k_3AlF_6 nanophosphors for anti counterfeiting applications	Dr. Sandeep Kumar	5,00,000
32	SMS	Employee engagement parameters as an operational mechanism for the sustenance of on organization in present era.	Dr. Premalatha P.	5,00,000