

Seed Money/ Research Grant (Phase-II) Office order Issue dt. 19.01.2024

Sl. No.	Department	Research Project Title	Name of PI	Sanctioned Amount
1	AMD	In Silico Investigation of the Trans-Tracheostomal Retrograde Inhalation Technique in Contrast to Traditional Inhalation in Subglottal Subglottal Stenosis Patients	Dr. Saurabh Bhardwaj	500,000.00
2	Biotechnology	To explore the role of TBX2 and other driver genes in biliary tract cancer (cholangiocarcinoma)	Dr. Girijesh K Patel	500,000.00
3	Biotechnology	Development of Algae Culture System for the Production of Enhanced Biomass and Bioproducts	Dr. Monika Prakash Rai	500,000.00
4	Chemical Engg.	Discovering a suitable graphene sheet as an electrocatalyst for a facile N ₂ reduction reaction (NRR) to NH ₃ using first principles methods	Dr. Anand Mohan Verma	500,000.00
5	CED	Piano Key weir as a dam safety technique to triple the spillway discharge	Dr. Binit Kumar	500,000.00
6	CSED	Development of Forensics-based Approach for Detection of Manipulation in Social Media Network	Dr. Anuja Dixit	500,000.00
7	CSED	Finding Socially Similar Communities and Social Relations Prediction in Complex Social Network for Targeted Outreach	Dr. Vishal Srivastava	500,000.00
8	CSED	Aerial localization and deterrence methodology for agricultural pest birds.	Dr. Saugata Roy	500,000.00
9	ECED	"Field Effect Transistor for Brain Inspired Computing"	Dr. Kumari Nibha Priyadarshani	500,000.00
10	ECED	"Rate splitting multiple access (RSMA) for Aerial Reconfigurable Intelligent Surfaces (RIS)-assisted Integrated Sensing and Communication (ISAC)"	Dr. Sandeep Kumar Singh	500,000.00
11	ECED	"Design and fabrication of highly responsive nanomaterial enabled photodetectors for flexible electronics application"	Dr. Nirmal Ch Roy	500,000.00
12	ECED	"Performance Analysis of Simultaneous Transmitting and Reflecting Intelligent Reflecting Surface (SYAR-IRS) Aided 6G Wireless Communication Networks"	Dr. Dharmendra Dixit	500,000.00
13	ECED	"High-Order Vehicular MIMO Antennas for IoV applications: Design, Development, and Implementation using Printed Monopole Antennas"	Dr. Arun Kumar Saurabh	500,000.00
14	EED	Development of Approaches for Operational Performance Improvement of Active Distribution Networks in Presence of EV Charging Stations Using DSTATCOM and Load-shifting"	Dr. Shubh Lakshmi	500,000.00
15	EED	Design and Implementing of 10 kW LLC Resonant DC-DC Converter for EV Battery Charging Applications	Dr. Suneel Raju Pendem	500,000.00
16	EED	Protection and Fault Analysis of Transmission Lines	Dr. Vishal Kumar Gaur	500,000.00
17	EED	Advanced Monitoring and Management Strategies for Renewable-Rich Power Systems	Dr. Kapil Chauhan	500,000.00
18	EED	High Performance Switched Reluctance Motor Drive for EV application	Dr. Dogga Raveendhra	500,000.00
19	EED	"Consensus-Based DC Motor Speed Synchronization	Dr. Souradip De	500,000.00
20	MED	Development of computational for life prediction of Li-ion batteries considering degradation mechanisms"	Dr. Vibhuti Bhushan Pandey	500,000.00
21	MED	Development of Higher-order finite element model for thermo-mechanical buckling of laminated flat/curved panels with	Dr. Hukum Chand Dewangan	500,000.00
22	MED	Exploring the potential of the circular economy for sustainable waste management"	Dr. Anurag Deepak	500,000.00
23	MED	Development of AI models for water-lubricated journal bearing "	Dr. Jeewan Chandra Atwal	500,000.00
24	MED	Development of efficient solver for mesh size in Fluid Bearing system."	Dr. Abhihek Kumar	500,000.00
25	Physics	"Exploring the early and late-time universe with the cosmological observations"	Dr. Richa Arya	500,000.00