

Seed Money/ Research Grant (Phase-II)				
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	5,00,000.00
2	Biotechnology	To explore the role of TBX2 and other driver genes in biliary tract cancer (cholangiocarcinoma)	Dr. Girijesh K Patel	5,00,000.00
3	Biotechnology	Development of Algae Culture System for the Production of Enhanced Biomass and Bioproducts	Dr. Monika Prakash Rai	5,00,000.00
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	5,00,000.00
5	CED	Piano Key weir as a dam safety technique to triple the spillway discharge	Dr. Binit Kumar	5,00,000.00
6	CSED	Development of Forensics-based Approach for Detection of Manipulation in Social Media Network	Dr. Anuja Dixit	5,00,000.00
7	CSED	Finding Socially Similar Communities and Social Relations Prediction in Complex Social Network for Targeted Outreach	Dr. Vishal Srivastava	5,00,000.00
8	CSED	Aerial localization and deterrence methodology for agricultural pest birds.	Dr. Saugata Roy	5,00,000.00
9	ECED	"Field Effect Transistor for Brain Inspired Computing"	Dr. Kumari Nibha Priyadarshani	5,00,000.00
10	ECED	"Rate splitting multiple access (RSMA) for Aerial Reconfigurable Intelligent Surfaces (RIS)-assisted Integrated Sensing and Communication (ISAC)"	Dr. Sandeep Kumar Singh	5,00,000.00
11	ECED	"Design and fabrication of highly responsive nanomaterial enabled photodetectors for flexible electronics application"	Dr. Nirmal Ch Roy	5,00,000.00
12	ECED	"Performance Analysis of Simultaneous Transmitting and Reflecting Intelligent Reflecting Surface (SYAR-IRS) Aided 6G Wireless Communication Networks"	Dr. Dharmendra Dixit	5,00,000.00
13	ECED	"High-Order Vehicular MIMO Antennas for IoV applications: Design, Development, and Implementation using Printed Monopole Antennas"	Dr. Arun Kumar Saurabh	5,00,000.00

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	5,00,000.00
15	EED	Design and Implementating of 10 kW LLC Resonant DC-DC Converter for EV Battery Charging Applications	Dr. Suneel Raju Pendem	5,00,000.00
16	EED	Protection and Fault Analysis of Transmission Lines	Dr. Vishal Kumar Gaur	5,00,000.00
17	EED	Advanced Monitoring and Management Strategies for Renewable-Rich Power Systems	Dr. Kapil Chauhan	5,00,000.00
18	EED	High Performance Switched Reluctance Motor Drive for EV application	Dr. Dogga Raveendhra	5,00,000.00
19	EED	"Consensus-Based DC Motor Speed Synchronization	Dr. Souradip De	5,00,000.00
20	MED	Development of computational for life prediction of Li-ion batteries considering degradation mechanisms"	Dr. Vibhuti Bhushan Pandey	5,00,000.00
21	MED	Development of Higher-order finite element model for thermo-mechanical buckling of laminated flat/curved panels with	Dr. Hukum Chand Dewangan	5,00,000.00
22	MED	Exploring the potential of the circular economy for sustainable waste management"	Dr. Anurag Deepak	5,00,000.00
23	MED	Development of AI models for water-lubricated journal bearing "	Dr. Jeewan Chandra Atwal	5,00,000.00
24	MED	Development of efficient solver for mesh size in Fluid Bearing system."	Dr. Abhihek Kumar	5,00,000.00
25	Physics	"Exploring the early and late-time universe with the cosmological observations"	Dr. Richa Arya	5,00,000.00