

LIST OF SEED MONEY PROJECTS SANCTIONED (2023-24)

Sr. No.	Faculty Name	Title	Duration (in years)	Year	Total Amount (INR)
1	Dr. Anamika Sharma	A Leafy Green Crops Growth Monitoring and Disease Detection in Aquaponics Using Deep Learning	2	2023-24	5,50,000
2	Dr. Sangita Roy	Smart Agriculture in the Digital Era: Enhancing Productivity and Security with IoT and 5G Technology	2	2023-24	8,00,000
3	Dr. Samya Muhuri	Quantum-enhanced Social Network Analytics: Unveiling Novel Insights through Quantum Machine Learning	2	2023-24	5,50,000
4	Dr. Mansi Sharma	Visual Inference & Privacy Preserving Deep learning Techniques for Ultra-Thin Mask-based Lensless Cameras & AR/VR/XR Devices	2	2023-24	8,00,000
5	Dr. Payal	Deep Learning-based Segmentation Architecture Towards Autonomous Inspection of Unmanned Surface Vessels (USVs)	2	2023-24	5,00,000
6	Dr. Simranjit Kaur	A longitudinal study of brain white matter connectivity in subjects with and without problem behavior and substance misuse	2	2023-24	5,30,000
7	Dr. Saif Nalband	FlexiKnee: A Low-Cost, Non-Invasive Diagnostic System for Knee-Joint Disorders with Real-Time Monitoring	2	2023-24	6,17,724
8	Dr. Anu Bajaj	Design and Development of Automatic Quantification of Human Tissues Images Affected by Radioactive Materials	2	2023-24	7,95,000
9	Dr. Arun Maiti	Heesch Problem for Polyominoes	2	2023-24	5,50,000
10	Dr. Bhuvaneshvar Kumar	Investigating Hybrid and Tri-Hybrid Nanofluids Flow Models for Enhanced Thermal Performance	2	2023-24	6,00,000
11	Dr. Rajesh Dhayal	Analysis of Switched Dynamic Equations on Time Scale with Applications	2	2023-24	5,00,000
12	Dr. Yashpreet Kaur	Structure Theorems for Symbolic Summation with Special Functions	2	2023-24	5,00,000
13	Dr. Sanjay Kashyap	Development of rare-earth free low-cost high entropy alloys for magnetocaloric applications	2	2023-24	8,00,000

14	Dr. Shashikant	Design, Development and Analysis of Performance Enhancement Techniques in Visible Light Communication using Neural Networks	2	2023-24	7,00,000
15	Dr. Alok Kumar Shukla	Exploring AI-Enabled Brain Interface for Early Detection of Neurological Disorders	2	2023-24	8,00,000
16	Dr. Debasmita Mondal	Development of low-cost and portable impedimetric sensors for on-site heavy metal detection	2	2023-24	8,00,000
17	Dr. Mukesh Dalal	Development of novel secure steganography technique for image and video processing applications	2	2023-24	5,31,500
18	Dr. Ravinder Kaur	Development of a Segmentation Technique for Precise Delineation of Kidney Lesions in CT Images	2	2023-24	5,31,500
19	Dr. Prabhat Chand Yadav	Structure-property-process correlation of difficult to deform alloys	2	2023-24	8,00,000
20	Dr. Appaso M Gadade	Development of Control Algorithm for Enhanced Mobility and Rehabilitation of Human Knee Joint Exoskeletons	2	2023-24	7,90,000
21	Dr. Anuj Kumar Shukla	Neural Basis of Magnitude Interactions	2	2023-24	8,00,000
22	Dr. Jayaprakash Mishra	Ageing in Punjab: Care, Health and Wellbeing among older adults in navigating Transnational Families	2	2023-24	6,40,000
23	Dr. Byapti Sur	Through the Literary Lens: Remembering Portuguese and Dutch Presence through Bengali and Malayalam Literature in Colonial and Post-Colonial India	2	2023-24	4,50,000