

Sr. No.	Project Title	Principal Investigator/Supervisor/ Coordinator	Funding Agency	Sanction details, Budget Sanctioned & Term of Project
1.	Design and Development of Novel Quantum Representation- based DSS using XAI and Deep Learning for Real-Time monitoring of climate change impact on the Agriculture Productivity of India (North-West region of Punjab) for sustainable development emerging field: (Energy, Sustainability and Climate Change)	PI: Dr. Tajinder Singh, A.P., CSE Deptt. Co-PI: Prof. Birmohan Singh, CSE Deptt.	AICTE, RPS- 2025	F. No. AICTE/TLB/RPS (New)/RPS-1-515991181-2025-2308/7 dated: 10/06/2026. Budget Sanctioned: Rs. 22, 000, 00/- . Duration of project- 3- Years. Ongoing Project.
2.	Development of Dual Functional Metal Organic Framework (MOFs) for Fluorescence Based Detection and Sequestration of Radionuclide from Environment Matrix	PI: Prof. Dhiraj Sud, Chemistry Deptt. Co-PI: Dr. Payal Malik, A.P., Chemistry Deptt. Project Collaborator: Dr. Sanu S Raj, Environmental Monitoring and Assessment Division, Bhabha Atomic Research Centre, Trombay, Mumbai	Department of Atomic Energy (DAE), Board of Research in Nuclear Sciences (BRNS), GOI	No. 44/14/07/2026-BRNS/237 dated: 20/05/2026. Budget Sanctioned: Rs. 38, 16, 800/- . Duration of project- 3- Years. Ongoing Project.
3.	Design and Development of Safer Capsule Endoscopic Device Assisted by Low SAR, Biocompatible Conformal Microstrip Patch Antenna Sensor	Prof. Surinder Singh, ECE Department	Anusandhan National Research Foundation (ANRF), Inclusivity Research Grant (IRG) Program	File No. ANRF/IRG/2024/001357/ENS dated: 26/03/2025. Budget sanctioned Rs. 57, 23, 040/- . Project of 36- months. Ongoing Project.
4.	Collaborative Research Project: Unravelling the Nutraceutical Potential of Millet Polyphenols in Modulating Gut-Microbiome Liver Axis in Alleviating Hepatic Endotoxemia and Steatosis	Dr. Kanti Kiran Kondepudi, Scientist E, Co-PIs: Dr. Mahendra Bishnoi, Scientist E, Dr. Sivasubramanian R, Scientist D, Healthy Gut Research Group, Food and Nutrition Biotechnology Division, National Agri-Food Biotechnology Institute, Sector 81, Mohali. PI from SLIET, Longowal: Prof. (Dr.) P.S. Panesar, FET Deptt.	Indian Council of Medical Research, New Delhi	File No. EMDR/SG/12/2024-01296 dated: 23/12/2024. Budget Sanctioned Rs. 115.17 Lakh . Project of 03 years duration. Ongoing Project.

Sr. No.	Project Title	Principal Investigator/Supervisor/ Coordinator	Funding Agency	Sanction details, Budget Sanctioned & Term of Project
5.	An Optimal Solution for Crop Residue Management with the Internet of Robotics Things and Artificial Intelligence	Dr. Amar Nath, A.P., CSE Department	Science & Engineering Research Board (SERB), DST, GOI, New Delhi	EEQ/2023/000792 dated: 22/01/2024 budget of Rs. 27, 79, 832/- sanctioned. Duration of project 36 months. Ongoing Project.
6.	Design and development of advanced sensors based on fusion of microstrip patch and surface acoustic wave for soil analysis towards precision agriculture	Prof. Surinder Singh, ECE Department	Ministry of Science & Technology, Department of Science & Technology, New Delhi.	DST/INT/DAAD/P-20/2023 (G) dated: 05/12/2023, budget of Rs. 9,35,000/- sanctioned. Duration of project 2- Years. Ongoing Project.
7.	Ministry of Electronics & Information Technology, New Delhi project- Design and Development of System-on-Chip for Single-Lead Wearable Electrocardiogram (ECG) for Medical Devices under the Category- II of Chips to Startup (C2S) Programme	Chief Investigator: Prof. J.S. Ubhi, ECE Department Co-Chief Investigator: Prof. Surinder Singh, ECE Department	Ministry of Electronics & Information Technology, New Delhi	EE-9/2/2021-R&D-E dated: 26/05/2023 budget sanctioned Rs. 90,88,000/- . Duration of project 3- year & 6- months. Ongoing Project.
8.	Proposal under FIST Program- 2022 (TPN- 84256). Financial Assistance to the Department of Mathematics, SLIET Longowal to augment the research facilities in the Department	PI: HOD- Mathematics	GOI, Ministry of Science & Technology, Department of Science & Technology (DST), New Delhi.	Ref. No. SR/FST/MS-I/114 dated: 19/12/2022. Budget sanctioned Rs. 70.00 Lakh. Duration of project is 5- years. Ongoing Project.