

Sr. No.	Project Title	Principal Investigator/Supervisor/ Coordinator	Funding Agency	Sanction details, Budget Sanctioned & Term of Project
1.	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.
2.	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.
3.	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.
4.	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.
5.	CycleOne Bicycle-Sharing System at Sant Longowal Institute of Engineering and Technology, Longowal, District- Sangrur, Punjab	Director, SLIET, Longowal	National Hydroelectric Power Corporation (NHPC), Faridabad- 121 003	NH/CO/CSR/2023/202 dated: 22/11/2023 budget of Rs. 11.50 Lakh sanctioned. Duration of project 12 months. Ongoing Project.

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6.	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.
7.	CRG Project: Design and Development of Noble C-Band Parametric Optical Frequency Comb Generator to Realize Backbone Optical Transport Network for 6G Communication	PI: Prof. Surinder Singh, ECE Department Co-PI: Prof. J.S. Ubhi, ECE Department	Science & Engineering Research Board (SERB), New Delhi	File No. CRG/2022/001866 dated: 30/01/2023. Budget sanctioned Rs. 23, 22, 609/- . Duration of project 36 months. Ongoing Project.
8.	Proposal under FIST Program- 2022 (TPN- 84256). Financial Assistance to the Department of Mathematics, SLIET Longowal to augment the researchfacilities 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.
9.	Probiotic-Millet based Synbiotic Oral Hydrogels for the Amelioration of Iron Deficiency Anemia and Associated Inflammation	PI: Dr. P.S. Panesar, Prof., FET Deptt. & Co-PI: Dr. C.S. Riar, Prof., FET Deptt.	Department of Biotechnology (DBT), New Delhi	BT/PR36778/PFN/20/1485/2020 dated: 21/01/2022. Duration of project= 3years. Details of allocation of budget is as under: 1.National Agri-Food Biotechnology Institute (NABI),Mohali= Rs. 37.608 lakhs 2.SLIET= Rs. 26.608 lakhs Ongoing project.

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10.	Non-Invasive Application of Thermal Imaging to Co-relate Clinically Node Positive Head and Neck Cancer	PI: Dr. Tapas Dora, HBCH, Sangrur Co-PIs: Dr. Sankalp Sancheti, HBCH, Sangrur Dr. A.S. Arora, Professor, EIE Department, SLIET, Longowal Dr. Ashwani Kumar Aggarwal, Assistant Professor, EIE Department, SLIET, Longowal Co-Investigators: Ms. Ruchika Thukral, Research Scholar, SLIET, Longowal Mr. Gulshan Kumar, Research Scholar, SLIET, Longowal	Institutional Ethics Committee of Tata MemorialCentre, Homi Bhabha CancerHospital & Research Centre (HBCH), Sangrur (Punjab), A Unit of Department of Atomic Energy, Governmentof India	Ref. No. IEC/HBCH/25/21 dated: 03/08/2021. Study is approved for 2 years till 29/07/2023. Without financial help. SLIET, Longowal and HBCH, Sangrur has signed MOU for collaboration in teaching, research and training. The team of SLIET and HBCH had submitted a project proposal without financial help. Ongoing project.
11.	Entrepreneurship Development Programme, (DBT Skill Vigyan Programme)	Coordinator: Dr. R.K. Mishra, Prof. (Maths.) Constituted following Committee vide SLIET/Admn./4987- 89 dated: 22/11/2019: 1. Dr. P.S. Panesar, Dean (R&C) 2. Dr. R.K. Mishra, Prof. (Maths.) 3. Dr. Indraj Singh, AsP (ME)	Ministry of Science and Technology, Department of Biotechnology, Governmentof India in Association with PSCST	Sanction: BT/HRD/01/05/2018 (Ministry of Science and Technology, Department of Biotechnology, GOI) for Rs. 94,50,000/- . Ongoing project