

Sr. No.	Project Title	Principal Investigator/Supervisor/ Coordinator	Funding Agency	Sanction details, Budget Sanctioned & Term of Project
1.	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: 05/12/202, budget of Rs. 9,35,000/- sanctioned. Duration of project 2- Years. Ongoing Project.
2.	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.
3.	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.
4.	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.
5.	Design and Development of Terahertz Self-Multiplex Antennas Using Substrate Integrated Waveguide for 6G Wireless Communication System	PI: Dr. Kundan Kumar, A.P., ECE Department	Science & Engineering Research Board (SERB), New Delhi	F. No. SRG/2022/000664 dated: 06/10/2022, Budget sanctioned Rs. 16, 31, 540/- . Duration of project is 24 months. Ongoing project.
6.	Design of High-Speed Multichannel Optical Wireless Communication System Based on Hybrid WDM Free Space Optics Transmission Link for MIMO Applications	Under Teachers Associateship for Research Excellence (TARE) to Dr. Amit Gupta, Punjab Technical University, Jalandhar, Punjab- 144011 under the Mentorship of Dr. Surinder Singh, at Sant Longowal Institute of Engineering and Technology (SLIET), Longowal, Distt. Sangrur	Science & Engineering Research Board (SERB), New Delhi	File No. TAR/2021/000274, dated: 10/02/2022, Budget sanctioned: Total Rs. 18, 30, 000/- . Duration of Project is 36 months and start date of project is 08/12/2021. Details of allocation of budget is as under: 1. Rs. 8, 25, 000/- to Punjab Technical

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				University, Jalandhar. 2. Rs. 10, 05, 000/- to SLIET, Longowal Ongoing project.
7.	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.
8.	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 Memorial Centre, Homi Bhabha Cancer Hospital & Research Centre (HBCH), Sangrur (Punjab), A Unit of Department of Atomic Energy, Government of 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.
9.	Proposal under FIST Program. Financial Assistance to the Department of Electronics and Communication Engineering,	HOD- ECE Department	GOI, DST, R&D Infrastructure Division	Order No. FST/ET-1/2018/157 (C) of GOI, DST dated: 14/03/2019 of Rs. 61,00,000/- project of 05

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	SLIET Longowal to augment the research facilities in the Department			years. Ongoing project.
10.	Grant under Share & Mentor Institutions (Margdarshan) Scheme	Chief Coordinator: Prof. Ajat Shatru Arora, EIE Department Faculty Advisor (s): Prof. R.K. Saxena, ME Department Prof. Surita Maini, EIE Department	AICTE	Sanction- F. No. 58-14/RIFD/Margdarshan/2019-20 dated: 06/09/2019 for Rs. 25,00,000/- for 3 years. 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, Government of 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