

Sr. No.	Project Title	Principal Investigator/Supervisor/ Coordinator	Funding Agency	Sanction details, Budget Sanctioned & Term of Project
1.	Design and Development of Noble C-Band Parametric Optical Frequency Comb Generator to Realize Backbone Optical Transport Network for 6G Communication	PI: Dr. Surinder Singh, Prof., 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.
2.	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.
3.	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
4.	High Accuracy Determination of Rheological Properties of Drilling Fluids using Marsh Funnel	PI: Dr. Kamlesh Kumari, Prof. ChE Department. Budget of Rs. 10, 000/- has been granted for year 2022-23 for final year students of B.E./B.Tech. in Chemical Engineering.	Indian Institute of Chemical Engineers (IChE), Kolkata	Ref. No. AG/R&D/2022/351-357, published on IChE website dated: 16/09/2022. Budget of Rs. 10, 000/- has been granted for year 2022-23 for final year students of B.E./B.Tech. in Chemical Engineering. Duration of project is 12 months. Ongoing Project.
5.	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 University, Jalandhar. 2. Rs. 10, 05, 000/- to SLIET, Longowal Ongoing project

Sr. No.	Project Title	Principal Investigator/Supervisor/ Coordinator	Funding Agency	Sanction details, Budget Sanctioned & Term of Project
6.	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
7.	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, AssistantProfessor, 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
8.	Process Development and Validation for Evaluating Adulteration in Honey	Prof. Vikas Nanda, FET Department, SLIET, Longowal	Department of Atomic Energy (DAE)- Board of Research in Nuclear Sciences (BRNS)	Order No. 55/14/16/2020-BRNS/ 35046 dated: 15/09/2020. Budget Sanctioned Rs. 32, 65, 388/- , project of 3 years beginning from financial year 2020-2021. Ongoing project

Sr. No.	Project Title	Principal Investigator/Supervisor/ Coordinator	Funding Agency	Sanction details, Budget Sanctioned & Term of Project
9.	Valorization of Tropical Fruit By-Products for the Extraction of High Value Compounds	<p>From India Lead PI: Prof. P.S. Panesar, FET Department, SLIET, Longowal</p> <p>ASEAN MS-1, Lead PI: Dr. Anil Kumar Anal, Asian Institute of Technology, P.O. Box 4, 58 Moo 9, Km42, Paholyothin Highway, Klong Luang, Pathum Thani 12120 Thailand</p> <p>ASEAN MS- 2, Lead PI: Dr. Son Chu Ky, School of Biotechnology and Food Technology, Hanoi University of Science and Technology, 1 Dai Co Viet, Hai Ba Trung, Hanoi 100000, Vietnam</p>	ASEAN- India Collaborative R&D Scheme under ASEAN- India S&T Development Fund (AISTDF), SERB, DST, New Delhi	File No. IMRC/AISTDF/CRD/2019/000141 dated: 29/06/2019. Budget Sanctioned Rs. 20, 75, 696/- , project of 02 years from date of issue of order. Ongoing project
10.	Grant-in-Aid under Modernization and Removal of Obsolescence Scheme (MODROB) for year 2017-18 payable during the financial year 2018-19. <u>MODROB on Modernization and up-gradation of polymer testing and characterization lab in SLIET, Longowal.</u>	Dr. Amit Rai, AP, Ch.E. Deptt. MODROB on Modernization and up-gradation of polymer testing and characterization lab in SLIET, Longowal	AICTE, New Delhi	Sanction Letter F. No. 9-33/RIFD/MODROB/Policy/ 2017-18, Dated: 04/03/2019 of Rs. 14, 00,000/- for 02 years from date of release of grant. Grant is awaited
11.	Indo-Russian Joint project entitled “Optical Metrology of Ultra-Short Pulses for Design of Flexible MIMO Based Next Generation Optical Communication Networks”.	Coordinator Prof. Surinder Singh from SLIET, Longowal with Russian partner Dr. Elena Anashkina, Institute of Applied Physics of Russian Academy of Sciences (IAP RAS), Russia	GOI, Ministry of Science and Technology, DST (International Bilateral Cooperation Division)	No. INT/RUS/RFBR/P-312 dated: 11/03/2019 of Rs. 21, 48, 672/- for 02 years duration from issue of order. Ongoing project

Sr. No.	Project Title	Principal Investigator/Supervisor/ Coordinator	Funding Agency	Sanction details, Budget Sanctioned & Term of Project
12.	Project under Research Promotion Scheme for Research Centres under National Doctoral Fellowship (RPS- NDF) during Financial year 2018-19 Title- “Design and Development of Photonic Plasmonic Biosensor for Detection of Heavy Metals in ground Water of Punjab”	PI: Prof. Surinder Singh, ECE Department	AICTE, New Delhi	Ref. No. File No. 8-2/RIFD/RPS-NDF/Policy-1/2018-19 dated: 13/03/2019 of Rs. 25,00,000/- for 03 years Ongoing project
13.	Project under Research Promotion Scheme for Research Centres under National Doctoral Fellowship (RPS- NDF) during Financial year 2018-19 Title- “Performance Analysis and Optimization for Capturing Co2 Using Amine Solvents”	PI: Prof. Sandeep Mohan Ahuja, Ch.E. Deptt. Co-PI: Prof. Avinash Thakur, ChE. Deptt.	AICTE, New Delhi	Ref. No. File No. 8-39/RIFD/RPS-NDF/Policy-1/2018-19 dated: 13/03/2019 of Rs. 16,00,000/- for 03 years Ongoing project
14.	Proposal under FIST Program. Financial Assistance to the Department of Electronics and Communication Engineering, SLIET Longowal to augment the research facilities in the Department	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 years. Ongoing project
15.	Biorefining of Kinnow Mandarin Waste for the Extraction of Bioactive Compounds for the Development of Novel Functional Foods using Green Technologies	PI: Prof. P. S. Panesar, FET Department and Co-PI: Prof. Harish Chopra, Chemistry Department	CSIR	Sanction- No. 38 (1491)/19/EMR-II dated: 31/07/2019 project budget Rs. 28, 27,000/- . Project of 03 years Ongoing project
16.	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

Sr. No.	Project Title	Principal Investigator/Supervisor/ Coordinator	Funding Agency	Sanction details, Budget Sanctioned & Term of Project
17.	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