

Research Projects Sanctioned to the University in Last five Years (2020-2025)

Research Projects Sanctioned to the University in the Year 2021-22

Sr. No.	PI Name/ Co-PI Name	Agency	Order No.	Topic	Amount Sanctioned in Lacs	Academic Year	Domain
1	Dr. Sanjeev Goyal	Haryana State Council for Science and Technology	HSCSIT/R & D/ 2023/4192-93 dated 22.02.2023	Design and Fabrication of Manually Operated Agriculture Waste Briquetting Machine:A Business Model for Self Help Groups Duration: 3 Years	14.00	2021-22	Engineering
2	Dr. Rashi Gupta	Haryana State Council for Science and Technology	HSCSIT/R & D/2023/4194-95 dated 22.02.2023	Synthesis of diverse group of growth morphologies of ZnO nano/micro- structures in search of gigantic piezoelectric response and for their practical application in mechanical energy harvesting for the year 2021-22 Duration: 3 Years	18.00	2021-22	Science
3	Prof. Komal Kumar Bhatia/ Dr. Neelam Duhan	All India Council for Technical Education	8-85/FDC/RPS(Policy-1)/2021- 22	Drishti: An audio Aid to visually Impaired Persons for Obstacle Detection and Route tracking using Image Analytics	3.92	2021-22	Engineering
4	Dr. Ravi Kumar	Haryana State Council for Science and Technology	HSCSIT/R & D/2023/4200-4201 dated 22.02.2023	Oxidative Catalysis and synthesis of Covid- 19 Drug Candidates/Precursors Iodine incorporated Metal-Organic Frameworks Duration: 3 Years	18.00	2021-22	Science
5	Dr.Parmod Kumar Dr. Navish Kataria Dr.Yogita Dr.Anurag Prakash	University Grants Commission	F.30-589/2021(BSR) Dated:17.06.2022	UGC-BSR Start up grant for newly recruited faculty at Assistant Professors level	40.00	2021-22	Science
TOTAL (Rupees in Lacs)					93.92		

Research project Sanctioned to the University in the Year 2022-23

Sr. No.	PI Name/ Co-PI Name	Agency	Order No.	Topic	Amount Sanctioned in Lacs	Academic Year	Domain
1	Dr. Sonia Bansal and Dr. Aman Joshi	HSCIT-DST	HSCSIT/R &D/2022/2659 dated 10.10.2022	Development of Biomass derived activated carbon for electrode material in energy storage application	32.80	2022-23	Science
2	Dr. Anurag Prakash	SERB-DST-GOI	BP-2022-23-9548 dated:19.12.2022	Microphase separation morphology and Ion-Dynamics in Anion Exchange membrane Fuel Cell Applications	32.14	2022-23	Science
3	Dr. Sanjeev Goyal	All India Council for Technical Education	AICTE/IDC/IDEA-LAB/2022-23 Dated 01.12.2022	AICTE-IDEA Lab. Duration:(3 Years)	110.00	2022-23	Engineering
4	Dr. Ravi Kumar Dr. Suraj Goyal Dr. Pramod Kumar Dr. Somvir Bajar Dr. Deepansh Sharma	DST-Govt. of India	SR/PURSE/2022/126 Dated:13.01.2023	DST-Purse 2022 Grant Award - Institutional Grant	700.00	2022-23	Science
5	Dr. Rajni Saggu, Civil Engg.	HSCSIT	HSCSIT/R & D/2023/4296 dated 02.03.2023	Thermal response tests on geothermal boreholes with a different configurations of heat exchanger pipes for efficient space- conditioning in the residential sector Duration:(2 Years)	46.00	2022-23	Engineering
6	Dr. Bindu Mangla,	HSCSIT	HSCSIT/R & D/2023/4285 dated 02.03.2023	Bioengineered nanopatterned Renewable Carriers as Scaffolds for Enzyme Immobilization for Enhanced Stability & Catalytic Activities Duration: (3 Years)	36.74	2022-23	Science
7	Dr. Anuj Kumar, Physics	HSCSIT	HSCSIT/R & D/2023/4283 dated 02.03.2023	Design and fabrication of PZT based energy harvesting generator by low-cost chemical technique Duration: (3 Years)	27.95	2022-23	Science
8	Dr. Bhawna Uttam, Chemistry, Dr. Amit Rajput, Chemistry	SERB-DST-GOI	SPG/2021/004027 dated 21.06.2023	Development of Spiropyran based Metal Complexes as Potent Drug Candidate for Effective Photo Dynamic and Photo Thermal Cancer Therapy (3 Years)	22.93	2022-23	Science

9	Dr. Arpita Chatterjee, Department of Mathematics	SERB-SURE	SUR/2022/000899	Analyzing the effect of Photon Subtraction on Non-classically and non- Gaussianity of displaced Fock State.	29.41	2022-23	Science
10	Dr. Amit Rajput, Chemistry	SERB-SURE	SUR/2022/001062	Development of Non-innocent(Redox- Active o-aminophenolate metal complexes as potent antiviral agents for sars-Cov-2	30	2022-23	Science
11	Dr. Sapna Taneja	ICSSR- GOI	02/68/2021-22/ICSSR/RP/MN dated 02.03.2023	Understanding and promoting GIG workers well being in the Indian Education sector.	3.5	2022-23	Management
12	Dr. Yogita Dept of Physics	HSCSIT-HRY	HSCIT/R&D/2022/2978 dated 09/11/2022	Energy Autonomous Electronic Skin for Compact Flexible Energy System	49.6	2022-23	Science
TOTAL (Rupees in Lacs)					1121.07		

Research Projects Sanctioned to the University in the Year 2023-24

Sr. No.	PI Name/ Co-PI Name	Agency	Order No.	Topic	Amount Sanctioned in Lacs	Academic Year	Domain
1	Dr. Preet Kaur, Dept. of Electronics	HSCSIT-HARYANA	Letter No. HSCSIT/R&D/2024/505 Dated 16.02.2024	Design and development of nano antenna sensor system for real time analysis in smart agriculture Duration : 3 Years	40	2023-24	Engineering
2	Dr. Somvir Bajar, Deptt. of EVS Dr. Anurag Prakash, Deptt. of Chemistry	HSCSIT-HARYANA	Letter No. HSCSIT/R&D/2024/507 Dated 16.02.2024	Volatile organic compounds in ambient air source apportionment and DFT quantum analysis for NCR region Duration : 3 Years	30	2023-24	Science
TOTAL (Rupees in Lacs)					70		

Research project Sanctioned to the University in the Year 2024-25

Sr. No.	PI Name/ Co-PI Name	Agency	Order no.	Topic	Amount Sanctioned in Lacs	Academic Year	Domain
1	Dr. Arpita Chaterjee, Assistant Professor, Mathematics Department	HSCSIT, Govt. of Haryana	letter no. HSCSIT/R&D/2025/1540 dated 19.06.2025	The Potential Benefits of using non-Gaussian resource in ideal and realistic continuous-variable quantum teleportation.	Rs. 20.00 Lacs	2024-25	Science
2	Dr. Bhupender Singh, Assistant Professor, Mechanical Engineering	HSCSIT, Govt. of Haryana	letter no. HSCSIT/R&D/2025/1548 dated 19.06.2025	Design and Analysis of a Novel Desalination System with N series connected Evacuated Tube Collector	Rs. 20.00 Lacs	2024-25	Engineering
3	Dr. Krishan Kumar, Assistant Professor, Mechanical Engineering	HSCSIT, Govt. of Haryana	letter no. HSCSIT/R&D/2025/1542 dated 19.06.2025	Indian Sign Language Recognition using EMG-based smart watch	Rs. 12.00 Lacs	2024-25	Engineering
4	Dr. Rajeev Kumar Saha, Assistant Professor, Mechanical Engineering	HSCSIT, Govt. of Haryana	letter no. HSCSIT/R&D/2025/1544 dated 19.06.2025	Design and Development of Vertical Axis Wind Turbine (VAWT) for Highway Power Generation	Rs. 15.00 Lacs	2024-25	Engineering
5	Dr. Rohit Tripathi, Assistant Professor, Electronics Engineering	HSCSIT, Govt. of Haryana	letter no. HSCSIT/R&D/2025/1546 dated 19.06.2025	Smart Photovoltaic Thermal (PVT) bench with Charging Station for EVs	Rs. 22.00 Lacs	2024-25	Engineering
TOTAL (Rupees in Lacs)					89		
TOTAL OF LAST FIVE YEARS (Rupees in Lacs)					1373.99		