

Sponsored Projects Details (Completed)

	Deptt.	Title of the Project	P.I. Name	Period	Funding Agency	Funds (in Lacs)	Status
1	App. Sci	Land Cover Mapping of Chandigarh	Prof. L.N Sharma	2005-07	DST	0.50	Completed 20/04/2007
2	Elect.	Identification of Electrical Energy Saving Potentials For All UT Govt. Offices Chandigarh	Prof. Tilak Thakur	2007-09	DST	2.10	Completed 24/09/2009
3	Mech.	NASA The great moon buggy race 2009-UFO Team I	Prof. Sarbjit Singh	2008-10	Chandigarh Administration	11.12	Completed 21/01/2010
4	Mech.	NASA The great moon buggy race 2009-Kalpana Team II	Prof. Sarbjit Singh	2008-10	Chandigarh Administration	10.42	Completed 21/01/2010
5	App. Sci	Design of hybrid task specific ionic liquid – inorganic matrixes	Prof. Vasundhara Singh	2007-09	Indo French Centre for Promotion of Advance Research	27.25	Completed 11/03/2010
6	CSE	Development of Industry Relevant Microcontroller /Microprocessor Virtual Laboratory	Prof. Sanjeev Sofat	2006-08	AICTE	11.00	Completed 08/09/2010
7	Mech.	Formula SAE 2010 (Australia)	Prof. D.R Prajapati	2009-11	Chandigarh Admin, Punjab Govt., Trident PTL	15.00	Completed 22/03/2011
8	CSE	Design and development of dependable secure and efficient protocols for wireless mesh network	Prof. Divya Prof. Sanjeev Sofat Co-PI	2009-11	DIT	46.64	Completed 30/08/2011
9	Prod.	U.S Space Centre Moon buggy April, 2011	Prof. R. S Walia	2011-12	DST, Chd. Admn., Govt. of Punjab	10.62	Completed 05/09/2011
10	App. Sci	Spatio-Temporal Monitoring of A Glacier Using Satellite Remote Sensing & Luminescence	Prof. L.N Sharma	2007-10	DST	87.14	Completed 31/03/2012
11	Civil	Studies on mechanism of attachment/detachment of contaminants in the soil system	Prof. S.K Singh	2006-09	AICTE	5.00	Completed 18/06/2012
12	Aero.	Design & Development of pulse detonation propulsion system test Rig	Prof. T.K Jindal	2009-13	TBRL	9.63	Completed 27/02/2013
13	Prod.	Improvements in Cycle Rickshaws of Chandigarh	Prof. Parveen Kalra	2009-10	Governor of Punjab Discretionary Grant	1.45	Completed 12/02/2014
14	Civil	Assessment of geochemical parameters of ground water in Chandigarh	Prof. Siby John	2007-09	DST, Chd. Admn	2.40	Completed on 13/02/2014
15	Civil	Experimental study of mechanical behaviour and durability of HPC	Prof. Sarita Singla	2006-08	AICTE	9.80	Completed on 08/01/2015

16	Mech.	Establishment of new National MEMS Design Centre	Prof. Arun K Lal	2009-12	Aeronautical Development Agency, Bangalore	8.50	Completed on 04/03/2015
17	CSE	Development of Cloud Based Framework for Delivering Security as a Service	Prof. Divya Prof. Sanjeev Sofat Co-PI	2012-13	Deptt. of Information Technology, Govt. of India	48.39	Completed on 12/03/2015
18	CSE	IBM Shared University Research Grant Award : Information Security Model for the Banking Industry	Prof. Divya Prof. Manvjeet Kaur Co-PI	29/01/2013	International Business Machine Corporation (IBM)	2.50	Completed 11/02/2016
19	Electrical Engg.	Dual-Axis Sun Tracking Solar PV Panel using Arduino and Lab View	Prof. Tarlochan Kaur	6 months 03/02/2016	TATA Power Delhi Distribution Board Pvt. Ltd. (TPDDL)	0.25	Completed 30/09/2016
20	Electrical Engg.	Design and Implementation of a Solar Powered Smart Battery Charge Controller	Prof. Tarlochan Kaur	6 months 03/02/2016	TATA Power Delhi Distribution Board Pvt. Ltd. (TPDDL)	0.35	Completed 17/10/2016
21	Production Engg.	An Ergonomic Evaluation of Ingress and Egress Motion of Users for CTU Buses	Prof. Parveen Kalra	17/02/2014	DST Chandigarh Administration	0.70	Completed 19/11/2016
22	Civil	Management of Parking in Chandigarh	Prof. Umesh Sharma	1 Yrs 03/08/2015 to 02/08/2016	DST, Chandigarh Administration	1.25	Completed 17/02/2017
23	Civil	Monitoring & performance evaluation of STP at Raipur Khurd, Chandigarh	Prof. Siby John	2010-11	Engineering Deptt. Chandigarh Administration	4.44	Completed 20/02/2017
24	Director Office	Drones Project for Aerial Survey/Re-Survey of UT Chandigarh (joint project of PEC & IIT Delhi)	Prof. Manoj K. Arora	21/07/2016 Till 20/09/2016 2 months	Chandigarh Administration	13.90	Completed 08/03/2018
25	CSE	Time Ambient Air Quality Monitoring and Reporting Using Sensors – A Pilot Study	Prof. Divya Bansal	6 months 12/05/2017 till 12/11/2017	DST, Chandigarh Administration	12.00	Completed 09/03/2018
26	E&EC	Design and Development of Intelligent Car Parking Management System	Prof. Sukhwinder Singh	11 Months 23/08/2016 till 23/07/2017	DST, Chandigarh Administration	1.0	Completed 03/05/2018
27	App. Sci	Synthesis of High Energy Density Ferroelectric Materials for Shock Wave Ferroelectric Generators	Prof. Sanjeev Kumar	18/04/2016 till 28/02/2018	TBRL DRDO, Chandigarh	10.0	Completed 10/05/2018
28	CSE	Data Mining and Analysis of Indian Origin	Prof. Rajesh Bhatia	30 months	Department of Science &	64.03	Completed

		Academicians in Foreign Universities for Exploring opportunities of Academic Interaction	Prof. Sanjeev Sofat Dr. Sanjay Batish Co-PI	21/04/2015 to 21/10/2017	Technology, New Delhi		30/06/2018
29	Director Office	Study of Glacier Dynamics using Advanced Remote Sensing Techniques	Prof. Manoj K. Arora	23/09/2013 till 02/12/2017	DST, New Delhi	28.49	Completed 08/08/2018
30	E&EC	Simulation and Modeling of GaN HEMTs for MMIC Applications	Prof. Arun Kumar Singh Prof. Sanjeev Kumar Co-PI	2 yrs 27/06/2016 till 28/08/2018	(ER&IPR) DRDO, New Delhi	31.84	Completed 28/08/2018
31	Director Office	Facies Mapping of Gangotri Glacier using A WiFS data: A Super –Resolution approach	Prof. Manoj K. Arora	25/02/2015 to 04/03/2018	SERB, DST, New Delhi	10.70	Completed 08/09/2018
32	Civil	Feasibility Study for the Management of Strom Water through use of Pervious Concrete in Chandigarh.	Prof. S.K Singh	05/02/2015 to 02/07/2017	Department of Environment, Chandigarh Administration	2.53	Completed 26/12/2018
33	CSE	CARTS: Communication Assisted Road Transportation Systems	Prof. Divya Bansal Prof. Sanjeev Sofat Co-PI	29/09/2013 till 31/12/2018	ITRA, Ministry of Communications and Information Technology, GOI	54.33	Completed 31/12/2018
34	Civil Engg.	Object based image classification of high resolution remote sensing data for urban mapping	Prof. Har Amrit Sandhu	17/03/2016 (1 yr)	DST, SERB New Delhi	5.50	Completed 18/07/2019
35	E&EC	Graphene Based Ballistic Rectifiers	Prof. Arun Kumar Singh Prof. Sanjeev Kumar Co-PI	3 yrs 17/08/2016 till 18/08/2019	SERB, DST, New Delhi	65.70	Completed 18/08/2019
36	Mechanical Engg.	Study of Hybrid Solar Air Conditioning	Prof. Ankit Yadav _ PI Prof. Sushant Samir Co-PI	26/10/2018 1 Year	DST, Chandigarh Administration	1.50	Completed 2019
37	Electrical Engg.	To Study Impact of Array Tilt Angle, Orientation, Augmentation of Power Output of Rooftop Solar PV Panels for Chandigarh	Prof. Tarlochan Kaur Co-PI – Prof. Poonam Saini	2 years 12/12/2017 till 18/01/2020	DST, Chandigarh Administration	8.00	Completed 28/01/2020
38	Aerospace Engg.	Experimental Parametric Optimization, Detonation Behavior Study of Pulse Detonation Engine	Prof. T.K Jindal	2 yrs 24/11/2016 till 15/06/2019	Aeronautical R&D Board, DRDO, New Delhi	29.10	Completed 02/03/2020
39	Aerospace	Performance Analysis and Optimization for Fuze	Dr. Rakesh Kumar	1 Years	TBRL Chandigarh	19.80	Completed

	Engg.	Applications (CARS Project)	Prof. Tushar Siag Co-PI	23/09/2017 till 07/12/2018			11/03/2020
40	Applied Sciences	Investigations on Structural, Dielectric and Magnetic properties of transition metal doped GaFeO ₃ (CRS-M-258)	Prof. Sanjeev Kumar	2 yrs 18/01/2017 to 31/12/2018	UGC-DAE Consortium for Scientific Research	1.34	Completed 31/03/2020
41	Production Engg.	Design and Development of a Prototype of COVID-19 Sample Collection Booth/Isolation Box & Design and Development of a Prototype of Face Shield for Government Hospitals of Haryana State	Prof. R.M Belokar	1 Month April 2020	Government of Haryana State	10.50	Completed 30/04/2020
42	Materials & Metallurgical Engg.	Development of a Light Weight Composite Sandwich Panel for Blast Mitigation	Prof. J.D Sharma	3 years 08/03/2017 till 16/06/2020	Armament Research Board, DRDO, New Delhi	43.24	Completed 16/06/2020
43	Civil Engg.	Solution for Slope Stability of Road Between Zero Bridge to Koteshwar (IIT Roorkee & PEC Chandigarh)	Co-PI Prof. H.A.S Sandhu	3 yrs 02/12/2016 till 01/12/2019	Tehri Hydro Development Corporation Limited (THDCL)	49.19	Completed September 2020
44	Materials & Metallurgical Engg.	Design and Development of Biodegradable Mg Alloy Implants for Orthopedic Applications	Dr. Uma Batra Prof. Kamal Kumar, Mech. Co-PI	3 years 28/08/2017 till 23/11/2020	SERB, DST, New Delhi	77.39	Completed 27/11/2020
45	Aerospace Engg.	Configuration Design for Pulse Detonation Engine Combuster	Prof. T.K Jindal	2 yrs 21/07/2016 till 21/07/2018	TBRL, Chandigarh	9.38	Completed 30/12/2020
46	Civil Engg.	Research & Planning Grant for Preparation of Conservation Management Plan under the "Keeping it Modern-KIM" initiative of the Getty Foundation, Los Angeles, USA	Prof Siby John – PI Co-PI - Prof. H.A.S Sandhu	09/06/2017	Getty Foundation, Los Angeles, USA	96.66	Completed In 2020
47	Civil Engg.	Monitoring and Assessment of Eutrophication Potential of Sukhna Lake, Chandigarh	Prof. Siby John	2 Year 14/03/2019	DST, Chandigarh Administration	2.50	Completed 31/03/2021
48	CSE	City Probe: A City-Scale pervasive Sensing System for Monitoring Road Conditions, Air and Sound Pollution under IMPRINT-INDIA	Prof. Divya Bansal Co-PI Dr. Sanjeev Sofat	3 years 03/05/2017 extended till 31/03/2021	Ministry of Urban Development & MHRD, Government of India	60.00	Completed 31/03/2021
49	Applied Sciences	Microstructure-property correlation study in chemically modified lead free BZT-BCT solid solutions	Prof. Sanjeev Kumar Arun K. Singh, Co-PI	3 years 03/08/2017 till 04/10/2017	(ER&IPR), DRDO, New Delhi	48.35	Completed 04/04/2021
50	App. Sci	Characterization & Modeling of Physical	Prof. L.N Sharma	3 yrs 18/03/2016	DST, New Delhi	21.0	Completed

		Properties of Different Forms of Snow and Ice using Field and Remote Sensing Observations		to 17/03/2019			24/04/2021
51	Applied Sciences	New Approaches towards Synthesis of Enigmol Sphingolipids and their Analogues and Anti-Cancer Agents	Prof. Vasundhara Singh	3 years 23/06/2017 till 30/06/2020 (extended till 04/07/2021)	SERB, DST, New Delhi	27.75	Completed 04/07/2021
52	Electrical	Energy Conservation for street lighting through adaptive brightness	Prof. Tejinder Singh Saggu PI M.S Rajeshwaran Aero	1 Year 20/03/2020 (Extended upto 19.07.2021)	DST, Chandigarh Administration	1.00	Completed 12/07/2021
53	CSE	Data Mining and Analysis of Indian Origin Academicians in Foreign Universities for Exploring opportunities of Academic Interaction – updation/Maintenance and Extension exercise for BRICS countries-reg.	Prof. Rajesh Bhatia Prof. Sanjeev Sofat Dr. Sanjay Batish Dr. Manish Kumar Co-PI	06/09/2018 1.5 Year	Ministry of Science & Technology, Govt. of India, New Delhi	24.82	Completed 14/08/2021
54	CSE	Machine Learning Based Models for Avalanche Prediction using Satellite Data	Prof. Padmavati CSE PI Prof. L. N Sharma Co-PI	15 Months 13/05/2020	SASE, DRDO Chandigarh	9.39	Completed 10/09/2021
55	E&EC	Grant for Embedded Curriculum and Lab Based on Intel Atom	Prof. Neelam Rup Parkash	03/12/2012	Intel Semi Conductor (US) Ltd.	4.68	Completed 2021
56	Computer Centre	IoT Based Accident Prevention, Detection and Alert Systems using GPS & Heat Mapping of Accident Prone Areas in Chandigarh	Dr. Sanjay Batish Sh. Sushil Kumar & Sh. Prabhsimran	8 Months 20/03/2020 (Extended upto 19.11.2021)	DST, Chandigarh Administration	1.00	Completed 19/11/2021
57	Electrical Engg.	PV Integration with Multilevel Inverter for Standalone System	Prof. Jagdish Kumar- PI Prof. Rajdeep Surya – Co-PI	26/10/2018 1 Year	DST, Chandigarh Administration	1.50	Completed 02/12/2021
58	Applied Sciences	Raja Ramanna Fellowship (RRF) Track-I	Dr. Arun K. Grover (Emeritus Professor, Honorary)	3 years 16.08.2019 till 11.12.2021	Department of Atomic Energy, Government of India	31.37	Completed 11/12/2021
59	Applied Sciences	Modulation of Magnetic Ordering for Gigantic Spin-Mediated-Polar Dynamics in Improper Multiferroics	Prof. Gyaneshwar Sharma	3 Year 31/03/2018	UGC-DAE Consortium for Scientific Research	0.45	Completed
60	Civil Engg.	Drought Area Mapping using Geostatistical Modeling Approach	Prof. Kamal Kumar	3 years 16/12/2016 till	SERB, DST, New Delhi	15.10	Completed 2022

				14/03/2020			
61	Civil Engg.	Mapping Saturated Hydraulic Conductivity and Water Retention Relationship for Gambhar Watershed (Himachal Pradesh)	Prof. Kamal Kumar	3 years 10/03/2018 till 10/03/2021	SERB, DST, New Delhi	22.70	Completed 2022
62	Mechanical Engg.	Design and Development of Low Cost Micro Electro-Chemical Discharge Machining for Non Conductive Materials	Prof. Sarbjit Singh	3 years 14-06-2017 till 13-06-2020	SERB, DST, New Delhi	10.21	Completed 04/03/2022
63	Applied Sciences	Study of Energetic Ionic Liquids as New Explosive Materials	Prof. Vasundhara Singh	3 Year 10/07/2018 till 10/06/2021	DRDO (TBRL) Chandigarh	24.22	Completed 08.08.2022
64	Applied Sciences	Composition-Microstructure-Property Correlation Studies of eco-friendly (lead free) magnetoelectric multiferroic composites	Prof. Sanjeev Kumar Dr. Arun K. Singh Co-PI	3 Year 06/05/2019	SERB, DST, New Delhi	62.26	Completed 13/06/2022
65	Cyber Security Research Centre	The Ganga Knowledge Model Sub-systems, Components and their interaction in the Ganga river eco-system	PI Dr. Rashmi Sanghi Prof Divya Bansal (Mentor)	2 Year 27/09/2019 till 02/02/2022	DST, GOI, New Delhi	21.95	Completed on 02/02/2022 unspent refunded on 14/12/2022
66	ECE	Development of a Novel Concept to Detect and Recognize any Forced Physical act Conducted by Suspicious Human/s against women in public parks	Prof. Sukhwinder Singh PI Prof. Rupali Verma, CSE	18 Months 20/03/2020 Upto 31.07.2022	DST, Chandigarh Administration	2.46	Completed 01/09/2022
67	Applied Sciences	Synthesis and Development of Amyloid-Targeting Multifunctional Copolymers	Prof. Sonu Kumar	2 Year 29/12/2020 to 29/12/2022	SERB, (SRG) DST, New Delhi	19.38	Completed 27/06/2022
68	Applied Sciences	Development of Multifunctional Copolymers-based Protein-Stabilized Gold Nanoclusters for Theranostic Applications	Dr. Sonu Kumar	3 Yrs.	Council of Scientific and Industrial Research (CSIR), New Delhi	23.16 (tentative)	Project transferred to Mahindra University
69	E&EC	Van der Waals Heterostructure based self-switching diode	Prof. Arun K. Singh	3 Year 26/02/2019 (extended upto 01.06.2022)	SERB, DST, New Delhi	50.58	Completed 01/06/2022
70	Applied Sciences	Hybrid Organic- Inorganic Tin Halide-Based Stable Perovskite Solar Cells	Prof. Shilpi Chaudhary	2 Year 31/12/2020 to 31/12/2022	SERB, (SRG) DST, New Delhi	33.11	Completed on 31/12/2022
71	CSE	Young Faculty Research Fellowship (YFRF) of Visvesvaraya Ph.D Scheme for Electronics & IT	Prof. Divya Bansal	05 Years 27/07/2018 Till 19/01/2023	Digital India Corporation (formerly Media Lab Asia) under Ministry of	9.80	Completed

					Electronics & Information Technology, GOI		
72	Aerospace Engg.	Research Project on Software Development and Hardware Modification for Vibration Monitoring System	Prof. M.S Rajeshwaran	06 Months 17.06.2021	3BRD, Indian Air Force, Chandigarh	1.15	Completed 25/04/2023
73	Workshop & Skill Development Centre	Cluster of R & D Projects undertaken for 3BRD, Indian Air Force, Chandigarh	Prof. R.M Belokar	14.08.2020	3BRD, Indian Air Force, Chandigarh	0.59	Completed September 2023
74	Cyber Security Research Centre	Framework for Generating Actionable Intelligence from Cyber Space using Computational Techniques & Analysis under Cyber Security ICPS Programme of DST, GOI, New Delhi	Prof. Divya Bansal Co-PI Dr. Sanjeev Sofat, Dr. Poonam Saini	3 Year 13/03/2019 (extended upto 31.03.2023)	DST, GOI, New Delhi	60.08 (43.58 Re + 16.50 N.R)	Completed 30.09.2023
75	Cyber Security Research Centre	'Theme Co-ordination Project' for Cluster Proposal under the Cyber Security (CS) Research of Interdisciplinary Cyber Physical Systems (ICPS)	Prof. Divya Bansal Co-PI Dr. Manvjeet Kaur	3 Year 30/05/2019 (extended upto 31.03.2023)	DST, GOI, New Delhi	73.487 (Rs. 67.40 Rec + 6.087/- NR)	Completed 30.09.2023
76	MME	Indigenous Development of Austempered Ductile Iron Technology for use in Automobile and Agricultural Industries in India	Prof Uma Batra	3 Year 25 Oct. 2019 extended upto 31/03/2023	Ministry of Steel (Technical Division), Govt. of India, New Delhi & M/s JMP Industries, Jalandhar	189.00	Completed 30.09.2023
77	MME	Synthesis of Nanostructured Polyaniline and Metal Oxides for Electrochemical Biosensors and Energy Conversion Applications under Ramalingaswami Fellowship	Dr. Anu Prathap M. Udayan	05 Years 01/04/2019 till 31/03/2024 (in PEC from Nov. 2020)	Department of Biotechnology, Government of India	113.10	Completed 31.03.2024
78	Mechanical Engineering	Fabrication and Performance Analysis of Passive Cooling System for Battery Thermal Management	P.I Dr. Ankit Yadav Co-PI Dr. Sushant Samir	1 yr 29.09.2022 to 28.09.2023	DST, Chandigarh Administration	1.20	Completed 26.02.2024
79	Civil Engg.	The Treatment of Municipal Solid Waste using Black Soldier Fly	Dr. Geeta Arora Co-PI Dr. S.K. Singh	1 yr 29.09.2022 to 28.09.2023	DST, Chandigarh Administration	1.25	Completed 17.09.2024
80	Computer Centre	Assigning Trust Scores to Accident Prone Areas of Chandigarh using Traffic APIs and analysis of Accident Records Category: Traffic	Dr. Sanjay Batish, Co-PI Sh. Sushil Kumar, Sh.	1 yr 29.09.2022 to 28.09.2023	DST, Chandigarh Administration	0.75	Completed 26.02.2024

		Control and Parking Management	Prabhsimran Singh Bindra,				
81	Physics Deptt.	Tailoring the Layered Double Hydroxides Nanostructures for the Development of Energy Storage Devices	Dr. Sanjeev Kumar Physics Deptt. Dr. Arun K. Singh, ECE	01 years 04.10.2023 till 03.10.2024	DST Chandigarh Administration	1.00	Completed 05.11.2024
82	ECE	Predictive Maintenance and Efficiency Analysis of Solar Panels	Dr. Divya Dhawan, ECE Dr. Jyoti Kedia, ECE	01 years 04.10.2023 till 03.10.2024	DST Chandigarh Administration	0.50	Completed 28.11.2024
83	Electrical Engg.	Impact of Bulk Electrical Vehicle Charging on Chandigarh Power Network	Dr. Manohar Singh Dr. Rintu Khanna Electrical Engg.	01 years 04.10.2023 till 03.10.2024	DST Chandigarh Administration	1.00	Completed 29.11.2024
84	Electrical Engg.	Measurements Based Impact Study on Solar PV and Electric Vehicle Integration to the Grid	Dr. Shimi S.L, EE Dr. Tajinder S. Saggu, EE	01 years 04.10.2023 till 03.10.2024	DST Chandigarh Administration	1.00	Completed 22.10.2024
85	Civil Engg.	Study on Traffic Control of Pedestrians Crossing Behavior Consideration at Congested Intersections for Chandigarh City to Achieve SDG-2030 Target	Dr. A.B. Adinarayana Civil Engg.	01 years 04.10.2023 till 03.10.2024	DST Chandigarh Administration	1.00	Completed 25.11.2024
86	Civil Engg.	Development of a Rational Mix Design Approach for Production of Different Grades of Precast Recycled Aggregate Concrete Blocks for Paving Applications	Dr. Arshdeep Singh Dr. Ran Bir Singh Civil Engg.	01 years 04.10.2023 till 03.10.2024	DST Chandigarh Administration	1.00	Completed 18.02.2025
87	Aerospace	Automatic Target Interception using Fixed-Wing UAVs	Prof. Rakesh Kumar (Co-PI) Dr. Poonam Saini Dr. Tushar Siag	2 yrs (04.05.2023 – 06.02.2025)	TBRL DRDO Chandigarh	147.24	Completed (Short closed) 06.02.2025
88	Physics	Enhanced Electrostrictive Properties in Chemically Modified High Temperature Lead Free BiFeO ₃ -BaTiO ₃ Relaxor Based Ceramics	Prof. Sanjeev Kumar Co-PI Dr. Arun K. Singh	10.08.2022 till 09.08.2025	ER&IPR DRDO New Delhi	30.28	Completed 15.09.2025
89	Physics	Composition – Microstructure-Property Correlation Studies of Eco-Friendly (Lead-free) Relaxor Ferroelectrics for Pulse Capacitor Applications.	Prof. Sanjeev Kumar Physics Deptt. (CO-PI) Dr. Arun K Singh	2 yrs (26.04.2023 – 25.04.2025)	Central Power Research Institute, Bangalore	38.00	Completed 30.09.2025

Sponsored Projects Details (In-Progress)

S.No	Deptt.	Title of the Project	P.I. Name	Period	Funding Agency	Funds (in Lacs)	Status
1.	Materials & Metallurgical Engg.	Establishment of Design Innovation Centre (DIC) under the scheme National Initiative for Design Innovation “ Transparent Ceramic Materials & Technology”	Prof. J.D Sharma	25/02/2016 3 years (extended till 31/03/2026)	MHRD, Department of Higher Education, New Delhi	125.00	In- Progress
2.	Civil Engg.	Setting of Digital Land Record Centre at PEC under Digital India Land Record Management Program	Coordinator Prof. H.A.S Sandhu Co-Coordinator Prof. Mohit Kumar	25/11/2016	Chandigarh Administration	17.00	In- Progress
3.	E&EC	Project Under FIST – 2016 Level – I To Strengthen the post graduate teaching and research facilities in the Department (Electronic Device Fabrication and Characterization Facility)	HOD E&EC	5 yrs 16/12/2016	DST, New Delhi	217.00	In- Progress
4.	Civil Engg.	Setting up of “Kalpana Chawla Chair” on Geospatial Technology for Indian Railways at PEC University of Technology, Chandigarh	Coordinator Prof. H.A.S Sandhu	08-02-2017	Ministry of Railways, Govt. of India, New Delhi	(Rs. 10.0 crore as endowment money)	In- Progress
5.	Computer Centre	Smart City Innovation Centre	Coordinator Sh. Sanjay Batish	17/10/2017	Punjab Government	22.50	In- Progress
6.	CSE	“Early warning system for flood prediction in the river basins of India – Development of an intergrated Reservoir Operation Model”	Prof. Rajesh Bhatia Co-PI Dr. H.A.S Sandhu Dr. Mohit Kumar, Dr. Sanjay Batish	4 Year 28/08/2019 till 27.08.2023	CDAC, Pune/Meity	55.65	In- Progress
7.	Applied Sciences	Investigations on Structural, Dielectric and Magnetic Properties of Transition Metal Doped Sodium Bismuth Titanate (Na _{0.5} Bi _{0.5} Ti _{0.3}) Composites	Prof. Sanjeev Kumar	3 yrs 30.03.2022 to 29.03.2025	UGC - DAE - CSR Mumbai Centre	1.35	In- Progress
8.	Civil Engg.	INSPIRE Faculty Fellowship Grant of DST New Delhi.	Dr. Garry Singla	5 years 03.10.2022 till 02.10.2027	DST, GOI, New Delhi	112.40	In- Progress
9.	E&EC	Novel GaN Self-Switching Diode Based Frequency Multipliers	Prof. Arun K. Singh, (CO-PI) Prof. Sanjeev Kumar, Physics Deptt.	3 yrs 27/12/2022 to 26/12/2025	SERB, DST, New Delhi	60.91	In- Progress

10.	Applied Sciences	Composition – Microstructure-Property Correlation Studies of Eco-Friendly (Lead-free) Relaxor Ferroelectrics for Pulse Capacitor Applications.	Prof. Sanjeev Kumar Physics Deptt. (CO-PI) Dr. Arun K Singh	2 yrs (26.04.2023 – 25.04.2025)	Central Power Research Institute, Bangalore	38.00	In- Progress
11.	Applied Sciences	Lead Free Ferroelectric - PVDF Electrospun Fibre Composites for Energy Harvesting Textile Applications	Prof. Sanjeev Kumar Applied Science, Dr. Arun K Singh (CO-PI)	1 Year 17.07.2023 till 17.07.2024	National Technical Textile Mission, Ministry of Textile, Govt. of India	17.00	In- Progress
12.	CSE	Development of Software for Flight Data Analysis Using Machine Learning Techniques for Health Monitoring of MLH Aero-Engines at 3 BRD Air Force	Dr. Padmavati Dr. Mayank Gupta	09 Months 01.05.2023 till 01..02.2024	3BRD, Indian Air Force, Chandigarh	20.00	In- Progress
13.	ECE	Memristor-FPGA Hybrid Hardware System for Brain Inspired Analog Computing under Chips to Startup (C2S) Programme	Prof. Arun K. Singh, (CO-PI) Prof. Sanjeev Kumar, Physics Deptt.	5 Yrs 25.05.2023	Ministry of Electronics & Information Technology (MeitY), GOI	81.63	In- Progress
14.	PIED	Fund for Improvement of S&T Infrastructure in Universities and Higher Education Institutions (FIST) Program – 2023	Prof. R.S. Walia – PI Dr. Gurpreet Singh Dr. Jasvinder Singh Dr. Jimmy Karloopia	05 Years 30.10.2023	DST, New Delhi	206.00	In- Progress
15.	PIED	High Entropy Lead-free Relaxor-ferroelectric Perovskite Ceramics with Superior Energy Storage and Electrocaloric Performance	Dr. Gurpreet Singh	2 years 19.12.2023 till 18.12.2025	SRG Scheme DST, New Delhi	30.23	In- Progress
16.	CSE	Development of Machine Learning based Prediction Models for Automated Detection of Laryngeal Cancers using Measures of Aerodynamics, Voice and Acoustic Voice Quality Index (AVQI)	PI Dr. N. Banumathy, PGI Co-PI Dr. Padmavati, CSE Dr. Sudesh Rani, CSE Dr. Trilok Chand, CSE	3 years 12.02.2024 11.02.2027	Indian Council of Medical Research (ICMR)	41.60	In- Progress
17.	Mechanical Engg.	Investigation into the combined effect of temperature and high strain rate on Magnetorheological Elastomers with application to vibration control	Dr. Chander Kant Susheel Mechanical Engg.	3 Years 21.02.2024 till 20.02.2027	SERB EMEQ, Scheme DST, New Delhi	38.04	In- Progress
18.	Physics	To Achieve Ultrahigh Electrostrain with Low Hysteresis in Lead Free Relaxor Piezoceramics via Defect-Dipole Engineering	Dr. Sanjeev Kumar Physics Deptt. Dr. Arun K. Singh, ECE	3 years 18.03.2024 17.03.2027	SERB, DST, New Delhi	44.57	In- Progress

19.	ECE	Thin Film Based Faraday Cup Integrated with Thin Film Transistors for Low Ion Current Measurement in Miniature Mass Spectrometers.	Dr. Deepak Kumar Sharma, ECE Dr. Arun K Singh, ECE Dr. Sanjeev Kumar, Physics	2 years 01.04.2024 till 31.03.2027	Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy (DAE), GOI	41.04	In- Progress
20.	CSE	National S & T Survey for Higher Education Sector	Prof. Rajesh K. Bhatia, PI Dr. Manish Kumar Dr. Sanjay Batish Sh. Sushil Kumar	1 Year 3 Months 04.06.2024	NSTMIS, DST, New Delhi	29.93	In- Progress
21.	CSE	CHAKSHU-Wikipedia for Blind and Visually Impaired	Prof. Rajesh K. Bhatia, PI Dr. Manish Kumar CSE	2 Year 6 Months 04.06.2024	DST, New Delhi	34.98	In- Progress
22.	MMED	Navyug Namdhari Eco Drive Pvt. Ltd. - PEC Sponsored Project titled "Sustainable Solutions for Aluminum Alloys in Micro - Mobility Application"	Prof. J.D Sharma, MMED	3 Years 21.09.2024 to 20.09.2027	Navyug Namdhari Eco Drive Pvt. Ltd., Ludhiana	25.00	In- Progress
23.	Chemistry	"Sustainable Technologies for Biomaterials and Diagnostic Devices for Healthcare" under DST, PURSE 2024 Grant	Prof. Vasundhara Singh, PI Prof. R.S. Walia Prof. Sandeep Kumar	4 years	DST, New Delhi	714.00	In- Progress
24.	Physics	Development of novel low ϵ_r dielectric ceramics for 5G/6G millimeter wave communications	Dr. Sanjeev Kumar Dr. Arun K. Singh Dr. Gourab Das	3 Years December 2024 to November 2027	Department of Telecommunication (DOT) Govt. of India	31.92	In- Progress
25.	CSRC	Advanced Machine Learning based Anomaly and Fraud Detection System for Next-Generation Telecom Networks	Prof. Divya Bansal Prof. Sanjeev Sofat Dr. Mamta Dr. Satnam Kaur	3 Years December 2024 to November 2027	Department of Telecommunication (DOT) Govt. of India	112.26	In- Progress