

S.No	Title	Funding Agency	PI Name	School	Date of sanction
1	Ecoherbal-Mulch: Harnessing Native Flora for Sustainable Farming in Arid India	Indian Knowledge Systems (IKS)	Durga Madhab Mahapatra	School of Advanced Engineering	08-09-2025
2	Protein editing: Molecular logic and Reprogramming	Department of Biotechnology (DBT)	Santosh Kumar Chaudhary	School of Health Sciences & Technology	25-07-2025
3	Mitigation of adverse effects of microplastics by applying biochar in agricultural soils (We at UPES are working on Work Package 1 (WP1) : "Synthesis of Biochar from Various Lignocellulosic Waste Biomass and Development of Biochar-Based Catalysts	Korea University (K-CLUB Program)		School of Advanced Engineering	07-07-2025
4	Development of noble electrochemical sensors with 2D MXene/Ferrite magnetic nano composites for environmental applications.	Indian National Science Academy	Nilar Lwin(India Science And Research Fellowship (ISRF));Ashish Mathur	School of Advanced Engineering	03-07-2025
5	3D Printing of Bio-chemical Derived Vitrimers for Healable Soft Actuators	Department of Science & Technology-(DST)	Sravendra Rana	School of Advanced Engineering	02-07-2025
6	High Resolution Holocene Slip Rate for the Kangra Valley Fault, NW Himalaya using 3D Trenching: implications for better seismic hazard assessment of Epicentral area of 1905 Kangra Valley Earthquake	Anusandhan National Research Foundation (ANRF)	Sambit Prasanajit Naik	School of Advanced Engineering	01-07-2025
7	Design and development of a point-of-care nano-biosensing device for the early detection of diabetes and cardiac disorder	Anusandhan National Research Foundation (ANRF)	Souradeep Roy	School of Health Sciences & Technology	05-06-2025

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8	Development of Dual Inhibitors of PDE1B and PDE10A as Therapeutic Agents for Schizophrenia	Anusandhan National Research Foundation (ANRF)	Anand Gaurav	School of Health Sciences & Technology	02-06-2025
9	Identifying Enablers for Green Transition of MSMEs in India	Indian Council for Social Science Research-ICSSR	Sushil Kumar Rai	School of Business	16-04-2025
10	Autonomous underwater Navigation and Mapping	IIT Tirupati Navavishkar i-Hub Foundation (IITTNiF)	Jitendra Kumar Pandey	School of Advanced Engineering	21-03-2025
11	Roots Renewed: Empowering Uttarkashi Towards Advancing Sustainable Frameworks	National Mission on Himalayan Studies-NMHS	Manisha Solanki	School of Business	20-03-2025
12	Impact Assessment of Street Lighting in Urban Local Bodies in Uttarakhand & Impact Assessment of Chief Minister's Solar Self-Employment Scheme in Uttarakhand	Power Transmission Corporation of Uttarakhand Limited-PTCUL	Bikarama Prasad Yadav	School of Advanced Engineering	11-02-2025
13	Himalayan Calling	Hyundai Motor India Foundation- HMIF	Seema Shukla	School of Liberal Studies & Humanities	30-12-2024
14	Designing Intelligent Materials for Advanced and Sustainable Applications(FIST)	Department of Science & Technology-DST	Ranjeet Kumar Brajpuriya	School of Advanced Engineering	20-12-2024
15	Realising Sustainability: The Socio-economic and Environmental Impact Of Solar Rooftops in the Border Regions of Jammu & Kashmir and Ladakh	Indian Council for Social Science Research-ICSSR	Sonal Gupta	School of Business	19-12-2024
16	Development of flexible MXene/Oxides based layered electrodes for energy storage devices	Uttarakhand State Council for Science and Technology-UCOST	Shalendra Kumar	School of Advanced Engineering	10-12-2024
17	River health estimate using diatoms as pollution indicators and remediators of microplastic and heavy metal pollution	Uttarakhand State Council for Science and Technology-UCOST	Smriti Arora	School of Health Sciences & Technology	03-12-2024

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18	Investigation of steroidal Glycosides in Dioscorea Bulbifera as Anticancer Agents via Targeting Metabolic Homeostasis of Cancer Cells	Uttarakhand State Council for Science and Technology-UCOST		School of Health Sciences & Technology	10-09-2024
19	Development of plant probiotics consortia to promote disease -resilient hydroponics cultivation in rural and urban area of uttrakhand	Uttarakhand State Council for Science and Technology-UCOST	Subhajit Basu	School of Health Sciences & Technology	10-09-2024
20	A Novel Eco-Friendly Nano-Agriculture Strategy for Small-Marginal Farmers of Higher Himalayas: A Nano-Pyrite Based Seed/Root/Shoot Treatment Approach for Improving Potato Yield and Dairy Green Fodder Production	Sree Padmavathi Venkateswara Foundation	Himanshi Jangir	School of Health Sciences & Technology	09-09-2024
21	Ultra-Sensitive SERB Probing for food and health safety using hybrid plasmonic metasurfaces and dual-beam pump-probe Raman	Science and Engineering Research Board-SERB	Prasanta Mandal	School of Advanced Engineering	29-08-2024
22	Assessment of potential of pine needle ash as a partial replacement for cement	Uttarakhand Science Education & Research Centre-USERC	Saumyaranjan Sahoo	School of Advanced Engineering	10-07-2024
23	Human induced pluripotent stem cell-based functional characterizations of novel identified disease causal gene(s)/variant(s) in families with juvenile Parkinson's disease	Science and Engineering Research Board-SERB	Laxmi Kirola	School of Health Sciences & Technology	17-05-2024
24	Morphotectonic assessment of structurally induced geohazard potential areas within the MBT Zone: NW of Dehradun, Uttarakhand	Science and Engineering Research Board-SERB	Girish Chandra Kothyari	School of Advanced Engineering	08-05-2024

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25	Grant Support to Innovations	All India Council for Technical Education-AICTE	Tridib Kumar Sinha	School of Advanced Engineering	06-05-2024
26	Development of Impact Resistive and Thermally Resilient Hybrid Laminated Composite Panel for Personal and Vehicle Armours	Science and Engineering Research Board-SERB	Ashish Mishra	School of Advanced Engineering	03-05-2024
27	SWACHH - Social Wellness, Agriculture, Clean and Hospitable Habitat Incubation Center at UPES	Biotechnology Industry Research Assistance Council-BIRAC	Nidhi Chauhan	School of Health Sciences & Technology	22-04-2024
28	Biomass nanocomposite with reduced volatile matter as the substitution of conventional coal for co-firing operation in thermal power plants	Department of Science & Technology-DST	Nirlipta Priyadarshini Nayak	School of Advanced Engineering	28-03-2024
29	Development of flavored yogurt with indigenous Himalayan yellow berries and lactic acid bacterial strains isolated from ethnic fermented food of Uttarakhand	Uttarakhand Council For Biotechnology (UCB)	Piyush Kumar	School of Health Sciences & Technology	27-03-2024
30	Development of an Integrated Intelligent Disaster Management System for Mountain Communities in India	Department of Science & Technology-DST	Anil Kumar	School of Computer Science	22-03-2024
31	Design and development of a portable KVIC type biogas plant for colder region	Khadi and Village Industries Commission(KVIC)	Shailey Singhal	School of Advanced Engineering	20-03-2024
32	Water Quality assessment of Nainital Springs and remediation using green nanoparticles	G. B. Pant National Institute of Himalayan Environment, Kosi Katarmal, Almora - 263643,Uttarakhand, India	Madhuben Sharma	School of Advanced Engineering	23-02-2024
33	Development of Soft Armoured Lightweight Nanocomposite Material with enhanced Ballistic Protection.	Science and Engineering Research Board-SERB	Piyush Gaur	School of Advanced Engineering	06-02-2024

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34	Data-Driven Approaches for Enhanced Detection of Fetal Arrhythmia	Science and Engineering Research Board-SERB	Muthukumar Ka	School of Computer Science	22-01-2024
35	Development of gold nanoparticles based colorimetric nanosensor array for multiplex detection of xenobiotics in resource limited settings.	Science and Engineering Research Board-SERB	Piyush Kumar	School of Health Sciences & Technology	28-12-2023
36	Self-entangled CNT/ZnO tetrapod based fillers to solve the delamination and weak polymer-fibre interface issue in carbon fibre reinforced polymer (CFRP)	Science and Engineering Research Board-SERB	Manjeet Goyat	School of Advanced Engineering	05-12-2023
37	Sustainable Management of municipal and medical plastic waste for production of hydrocarbon fuels	Uttarakhand Science Education & Research Centre-USERC	Bhawna Lamba	School of Advanced Engineering	28-11-2023
38	Experimental research investigation to use algae as a combined source for biodiesel production and wastewater treatment	Science and Engineering Research Board-SERB	Siddharth Jain	School of Advanced Engineering	22-11-2023
39	Tribo-Tech:Development Polymer-Based Tribo-/Piezo-Electric Devices for Sustainable Sensing and Energy Harvesting Application	Science and Engineering Research Board-SERB	Tridib Kumar Sinha	School of Advanced Engineering	26-10-2023
40	Non-invasive diagnostic tool for Diabetic Retinopathy using lightweight Intelligent Applications and Fundus photography (BT/AGCJC0011/01/22)	Biotechnology Industry Research Assistance Council-BIRAC	Shamik Tiwari	School of Computer Science	13-10-2023
41	Promoting a conducive academic environment by addressing campus interpersonal violence at an Indian higher education institution(GCVP)	University of California, Los Angeles(UCLA)	Melissa Reneaux	School of Liberal Studies & Humanities	11-10-2023

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42	Engineering of 2d-Transition Metal oxides for Integrated Carbon Capture and Utilization	Science and Engineering Research Board-SERB	Abhishekkumar Mishra	School of Advanced Engineering	03-10-2023
43	The Impact of Skill Development Initiatives on Employment Landscape and Wages in Jammu and Kashmir	Indian Council for Social Science Research-ICSSR	Mohammad Younus Bhat	School of Business	29-09-2023
44	Chemical recycling of cotton-based waste fabrics to cellulose	Uttarakhand State Council for Science and Technology-UCOST	Shailey Singhal	School of Advanced Engineering	22-09-2023
45	Formation of nanostructured W-Cu thin films for nuclear and energy applications	Department of Science & Technology-DST	Asokan Kandasami	School of Advanced Engineering	14-08-2023
46	Repurposing of drugs and validation of lead compounds against the main protease and RNA dependent RNA polymerase of SARS-CoV-2" (BRICS2020-127)	Department of Science & Technology-DST	Dhruv Kumar	School of Health Sciences & Technology	18-05-2023
47	Study of Radiation Stability of Tungsten Carbide nanostructures towards neutron irradiation	UGC - DAE	Ratnesh Kumar Pandey	School of Advanced Engineering	15-05-2023
48	Origin and modulation of interfacial magnetic anisotropy in HM/CeFeB/MgO heterostructure for magnetic memory application	UGC - DAE	Sachin Pathak	School of Advanced Engineering	15-05-2023
49	Development of Ferrite nanomaterials for photocatalytic production of Hydrogen and conversion of Carbon dioxide into hydrocarbon	UGC - DAE	Sanjeev Kumar	School of Advanced Engineering	15-05-2023
50	Pilot Study of Aglad Valley - Cultural Mapping of Uttarakhand	INDIRA GANDHI NATIONAL CENTRE(IGNCA)	Kaynat Qazi	School of Liberal Studies & Humanities	12-05-2023

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51	ESTABLISHING A TECHNICAL SUPPORT UNIT FOR THE RICE FORTIFICATION PROGRAMME IMPLEMENTED BY THE GOVERNMENT OF UTTARAKHAND	United Nation- World Food Programme	Ravinder Kaushik	School of Health Sciences & Technology	29-03-2023
52	Novel Artificial Intelligence-Based Smart Snake Trapping Device for Improving the Socio-Economic Status of Scheduled Tribes STs in India”.	Department of Science & Technology- DST	Neelu Jyothi Ahuja	School of Computer Science	21-03-2023
53	Geochemical, petrogenetic and metallogenetic study of Malanjkhanda and Dongargarh Supergroup volcanics and plutons along Dongargarh Kotri mobile belt with insights from LA-ICPMS data of relict magmatic minerals	Science and Engineering Research Board-SERB	Sunil Kumar Khare	School of Advanced Engineering	17-03-2023
54	Purification and Valorization through Indigenous Tailoring of Raw Polymeric waste into Advanced Multidimensional Carbon Nano Materials (PAVITRAM) for Large Scale Energy Storage applications including Supercapacitors and Batteries	National Mission on Himalayan Studies-NMHS		School of Advanced Engineering	14-03-2023
55	Assessment of disease burden in the arsenic and pesticide exposed population in the Gangetic plains of Bihar	Indian Council of Medical Research		School of Health Sciences & Technology	01-03-2023
56	ICSSR Post doctoral fellowship for the year 2022-23	Indian Council for Social Science Research-ICSSR	Totakura Bangar Raju;Soumya Jain	School of Business	09-12-2022
57	Nanomaterials integrated wireless sensors for biological barriers	Science and Engineering Research Board-SERB	Nidhi Chauhan	School of Health Sciences & Technology	28-11-2022
58	Investigation of radiation tolerance of ceramic composites	DAE- BRNS	Parswajit Kalita	School of Advanced Engineering	23-09-2022

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59	Experimental and numerical studies of accidental multiple pool fires occurring in chemical process industries	Science and Engineering Research Board-SERB	Raja S(Post-Doctoral);Syed Mohammad Tauseef	School of Advanced Engineering	23-09-2022
60	FIST Program	Department of Science & Technology-DST	Piyush Kuchhal;Sushabhan Choudhury;Abhinav Sharma;Surajit Mondal	School of Advanced Engineering	02-09-2022
61	Micro Combustors Flame Stabilization Studies for Unmanned Aerial Vehicle Applications	Science and Engineering Research Board-SERB	Velidi V S S Gurunadh	School of Advanced Engineering	23-08-2022
62	Development of a piezoelectric based point-of-care biosensor for COVID-19 detection	Science and Engineering Research Board-SERB	Ashish Mathur	School of Advanced Engineering	18-08-2022
63	Structure formation of nanofillers inside the polymer matrix using ultra small angle x-ray scattering techniques	Defence Research and Development Organisation - DRDO	Sarathlal KV	School of Advanced Engineering	05-08-2022
64	Investigation of interaction of hydrogen with Pd-Ag and Pd-GO alloy thin films for hydrogen sensing and storage applications	UGC - DAE	Shikha wadhwa	School of Advanced Engineering	24-06-2022
65	Designing piezoelectric mechanical energy harvesters based on polymer-biowaste hybrids for self-powered biomedical & next-generation electronics applications	UGC - DAE	Parswajit Kalita	School of Advanced Engineering	24-06-2022
66	Upgrading bio-oil produced from waste biomass using Nanocatalyst	UGC - DAE	Leena Kapoor	School of Advanced Engineering	24-06-2022
67	Defect Assisted Current Transport Mechanism in III-V Semiconductors for Thermoelectric/Energy Applications'	UGC - DAE	Ashish Kumar	School of Advanced Engineering	24-06-2022
68	Photo assisted oxidation of organic substrates using Ru-Fe based bimolecular chromophore/catalyst system	Uttarakhand Science Education & Research Centre-USERC	AMIT KUMAR	School of Advanced Engineering	18-06-2022

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69	Vacuum Photodiode detectors for broadband vacuum ultraviolet detection in ADITIYA-U tokamak	DAE- BRNS	Prashant Shambhudayal Rawat	School of Advanced Engineering	15-06-2022
70	for setting up Inclusive Technology Business Incubator (i-TBI) at University of Petroleum and Energy Studies- Dehradun	Department of Science & Technology- DST	Rahul Nainwal	School of Business	10-06-2022
71	Water Quality assessment of river Yamuna , Uttarakhand and its exposure assessment with respect to water borne diseases among the nearby community of rivers	Uttarakhand State Council for Science and Technology-UCOST	Madhuben Sharma	School of Advanced Engineering	01-06-2022
72	Development of neural network models by innovatively expanding conventional WBE dataset for the monitoring of variability of COVID-19, variants of SARS-CoV-2, and antidrug resistance in four major cities of India	Science and Engineering Research Board-SERB	Manish Kumar	School of Advanced Engineering	25-05-2022
73	Nyay Bandhu (pro bono legal services) program of ministry of law and justice- implementation of pro Bono club scheme in school of law UPES	Department of Justice Ministry of Law & Justice	Ashutosh Tripathi	School of Law	06-04-2022
74	Engineering and fundamental aspects of interfacial Dzyaloshinski-Moriya interaction in Heavy Metal/ Ferromagnetic multilayers	UGC - DAE	Sarathlal KV	School of Advanced Engineering	30-03-2022
75	Study of phase transformation processes in thin films	UGC - DAE	Santosh Dubey	School of Advanced Engineering	30-03-2022
76	Prediction of Hydrogen Atom Position in Metal Carbonate Hydroxide Hydrate Based Materials, using Neutron Diffraction for Energy Storage Applications	UGC - DAE	Prateek Bhojane	School of Advanced Engineering	30-03-2022

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77	Establishment of Community COVID Resilience Resource Centre (CCRRC) in Doiwala Block, Vikasnagar Block and Sahaspur Block, Dehradun District of Uttarakhand State	Department of Science & Technology-DST	Neelu Jyothi Ahuja	School of Computer Science	29-03-2022
78	Early Science Technology Engineering Education and Mathematics, ESTEEM of India Research Center	AICTE and Ministry of Education	Ashish Karn	School of Advanced Engineering	26-03-2022
79	Exploration of Himalayan Hot-Springs for microbes with Biohydrogen production capabilities in the area of Haridwar, Rishikesh and Dehradun	Oil India Limited-OIL	Suwendu Manna	School of Health Sciences & Technology	05-03-2022
80	NSS Uttarakhand	Uttarakhand National Service Scheme - NSS	Nishant Mishra	School of Advanced Engineering	09-02-2022
81	In-situ immobilization of Dissolved Metals(Arsenic and Chromium) by manipulating redox condition of the impacted aquifers by injecting suitable amendments	Department of Science & Technology-DST		School of Advanced Engineering	29-01-2022
82	Molecular toolkit for N-acetylgalactosaminyltransferases (GalNAc-Ts) inactivation	Science and Engineering Research Board-SERB	Parteek Prasher	School of Advanced Engineering	07-01-2022
83	Self-repairable carbon fiber reinforced vitrimeric composites for aerospace applications	Science and Engineering Research Board-SERB	Sravendra Rana	School of Advanced Engineering	22-12-2021
84	Development and characterization of casein nanomicelles with palmitoyl groups for drug delivery applications	Science and Engineering Research Board-SERB	Manish Gupta	School of Health Sciences & Technology	02-12-2021

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85	Exploit the molecular mechanisms of nuclear lipid homeostasis as novel drug targets against Leishmania donovani	Science and Engineering Research Board-SERB	Koushik Das	School of Health Sciences & Technology	11-11-2021
86	A novel device for detecting the proximal extent of pathology (levelling) in Hirschsprung Disease	Biotechnology Industry Research Assistance Council-BIRAC		School of Advanced Engineering	11-11-2021
87	Rational design, synthesis and biological evaluation of novel substituted benzo[d]imidazo[2,1-b]thiazole derivatives as antimycobacterial agents targeting the mycobacterial oxidative phosphorylation pathway	Science and Engineering Research Board-SERB	Kuldeep Kumar Roy	School of Health Sciences & Technology	10-11-2021
88	Anti-glycating DJ-1 in human lenses: Implications in onset of presbyopia and cataract	Science and Engineering Research Board-SERB	Sandip Kumar Nandi	School of Health Sciences & Technology	10-11-2021
89	Investigation of radiation damage in WC nanostructures using ion beams for fusion reactor applications	DAE- BRNS	Ratnesh Kumar Pandey	School of Advanced Engineering	09-11-2021
90	Communicable Disease Prevention and control demonstration workshops with special focus on Covid -19 for students in schools of dehradun district in Uttarakhand	Department of Science & Technology-DST	Atri Nautiyal	School of Business	03-09-2021
91	Defect Assisted Current Transport Mechanism In III-V Semiconductors for Thermoelectric/Energy Applications	Department of Science & Technology-DST	Ashish Kumar	School of Advanced Engineering	18-06-2021
92	Study, design and synthesis of the nanomaterials for solid state battery applications	Ornate Agencies Pvt Ltd, New Delhi, India	Manan Mehta	School of Health Sciences & Technology	24-03-2021

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93	Glancing angle deposition of magnetic thin films and multi layers on nanopatterned templates: An idea towards tilted magnetic media	Department of Science & Technology-DST	Sarathlal KV	School of Advanced Engineering	11-03-2021
94	Microalgae-mediated wastewater reclamation with bio-oil and biogas production: a sustainable approach	Department of Science & Technology-DST	Bhawna Lamba	School of Advanced Engineering	17-02-2021
95	Impact Assessment of Climate Change Literacy Programme of Indian Business Schools using Randomized Control Trial Method.	Institute of Eminence (IoE), University of Delhi		School of Business	04-01-2021

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