

EXTERNAL FUNDED PROJECTS

SI.NO	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co Investigator	Name of the Funding agency	Type (Government/N on-Government)	Department of Principal Investigator/ Co Investigator	Year of Award	Funds provided (INR in lakhs)	Duration of the project
1	Sustainable Energy Workshop for students in Remote Himalayan region schools of Chamoli, Uttarakhand	Atri Nautiyal, Dr. Mohammed Yaqoot (PI) and Dr. Bhartendu Kumar Chaturvedi	DST	Government	Department of General Management	2019-20	13.4	1 year
2	Hands on activities on energy, water and environmental conservation techniques for students in Chamoli district of Uttarakhand	Atri Nautiyal, Dr. Mohammed Yaqoot and Dr. Bhartendu Kumar Chaturvedi (PI)	DST	Government	Department of General Management	2019-20	6.52	1 year
3	Economic Valuation of Himalayan Biodiversity: A Case Study of Selected Wetlands and National Parks of Northern India	Dr. Mohammad Younus Bhatt	ICSSR	Government	Department of General Management	2019-20	10.6	1 year
4	Innocvacity- Smart City innovations towards efficient urban spaces	Dr. Kiran Kumar	Wilson Award	Government	Department of Computer Science	2019-20	10	2 year
5	InsighTD – Investigating Causes and Implications of Technical Debt in Software Projects through a Globally Distributed though a family of survey	Ms. Mithali Chug, Dr. Kiran Kumar	Wilson Award	Government	Department of Computer Science	2019-20	17.5	2 year
6	Monitoring and analysis of water quality in drains for proposal in situ treatment bioremediation	Dr. Nihal Siddhique	Namami Gange	Government	Department of Civil and Health Safety Engineering	2019-20	5.91	1 year
7	Experimental investigation on Janus nano-displacing fluid as an Enhanced Oil Recovery technique	Mr. Satyajit Chowdhury	DST SERB	Government	Department of Chemical Engineering	2019-20	18.3	2 years
8	Theoretical and experimental Studies on the transformation of macroalgal biomass for bio-oil production	Dr. Sanjay Kumar	DST SERB	Government	Department of Applied Science	2019-20	18.3	2 years

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9	All-metal plasmonic perfect absorber metamaterial structures to capture visible-NIR radiation: Computational study and experimental feasibility	Dr. Prasanta Mandal	DST SERB	Government	Department of Applied Science	2019-20	15	3 Years
10	Mapping of electromagnetic power radiation density emitted by cellular towers and its impact on the ecological system in Dehradun Dist.	Dr. Piyush Kuchhal, Dr. Ranjan Mishra	UCOST	Government	Department of Applied Science	2019-20	3	2 Years
11	Technological interventions which will assist wildlife research and conservation	Saurabh Shanu	Wildlife Insitute of India	Government	Department of Computer Science	2019-20	2.1	6 months
12	An Economical Generation Approach to wireless Electricity by Powering Fused Fluorescent Butb for Rural Electrification	Mr. Surajit Mondal	Ministry of Science & Technology Department of Science & Technology (SEED Division)	Government	Department of Electrical and Electronics Engineering	2018-19	33.67	3 years
13	Ventilation Augmented Supercavitating Turbine (VAST)Technology for Next-Generation Hydropower"	Dr. Ashish Karn	Science and Engineering Research Board-Department of Science and Technology, Govt. of India	Government	Department of Mechanical Engineering	2018-19	40.29	3 years
14	Design Principles of Mini & Micro Hydro Power Projects for Implementing Agencies of Uarakhand	Dr. Prasoom Dwivedi Dr. Alka Dwivedi	Indian Council of Social Science Research	Government	Department of Economics and International Business	2018-19	8	2 years
15	Socio-Economic Value Creation through Forest Bio-Residue Based Energy Generation in alignment with the UN's SDGs	University of Petroleum and Energy S	National Mission on Himalyan Studies implemented by the Ministry of Environment, Forest and Climate Change (MoEF&CC)	Government	Department of General Management	2018-19	90.8	1 Year

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16	UK-India Sustainable Development and Research collaboration: Watermills Modernization-cum-Enhancement Planning, Training, Capacity Strengthening and Entrepreneurship Development in Uttarakhand Hill Communities, India	Dr. Prasoom Dwivedi	Academy of Medical Sciences-UK	Non-Government	Department of Economics and International Business	2018-19	23.4	3 years
17	Improving Teaching Effectiveness in E- Learning Environments	Dr. Alka Dwivedi	Wilson Award	Non-Government	Department of General Management	2018-19	16.32	2 years
18	Analysing the Effectiveness of Immersing Students in Interactive, Realistic Worlds in Virtual Reality using Kokoda VR as Case Study	Dr. S M Tauseef	Wilson Award	Non-Government	Department of Civil and Health Safety Engineering	2018-19	16.58	2 years
19	Subersible Unmanned Aerial Vehicle	Dr. Vindhya Devalla	Indo-US Science & Technology Forum,Full Bright House	Government	Department of Aerospace Engineering	2017-18	11	9 months
20	Symmetrical hyper loop-For management of the space debris in low earth orbit of earth	Dr. Amit Kumar Mondal	Indo-US Science & Technology Forum,Full Bright House	Government	Department of Electrical and Electronics Engineering	2017-18	11	9 months
21	Investigation of fusion-fission reaction dynamics in heavy ion interactions	Dr. D.P. Singh	Science and Engineering Research Board-Department of Science and Technology, Govt. of India	Government	Department of Applied Science	2017-18	16.89	3 Years
22	Implementation of Evolutionary Computing Algoritm for polarimetric SAR data processing and classification	Mr. Anil Kumar	Indan Space Research Organisation	Government	Department of Computer Science	2017-18	17.9	3 Years

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23	Development of a novel technology for production of hydrocarbon fuels from mixed Plastic waste	Dr. Praveen K Ghodke	Science and Engineering Research Board-Department of Science and Technology, Govt. of India	Government	Department of Electrical and Electronics Engineering	2017-18	38.89	3 years
24	An intelligent tutoring system for children with learning disabilities – dyslexia, dysgraphia and dyscalculia	Dr. Neelu J. Ahuja	Science for Equity Empowerment and Development Division, Department of Science and Technology	Government	Department of Computer Science	2016-17	32.47	2.5 years
25	Identification of Sources of Wastewater, its Characterization and Quantification in Hospitals	Dr. Nihal Siddhique	Uttarakhand Environmental Protection and Pollution Control Board	Government	Department of Civil and Health Safety Engineering	2016-17	0.98	1 Year
26	Development of self healing piolymer Nanocomposites Based on Functionalized Nanofillers	Dr. Sravendra Rana	Science and Engineering Research Board-Department of Science and Technology, Govt. of India	Government	Department of Applied Science	2016-17	54.89	3 years
27	2D Material: Multilayer GaN	Dr. Ratmesh K. Pandey	Science and Engineering Research Board-Department of Science and Technology, Govt. of India	Government	Department of Applied Science	2016-17	5.5	3 Years
28	Sustainable Grey Water (GW) Treatment Technology for Community Buildings	Dr. Jitendra K Pandey	Ministry of Science and Technology, Department of Science and Technology	Government	Department of Applied Science	2016-17	127.85	3 Years

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29	Swachh Neer - Une Vie Meilleure: Combating Water Issues Through Indo- French Networking	Dr. Jitendra K Pandey	Indo French Center for the Promotion of Advanced Research	Government	Department of Applied Science	2016-17	35.8	2 Years
30	Integrated advance geoscientific approach for evaluation of shale gas potential of permo-triassic shales of kommegundam and mandapeta regions of krishna basin in India	Dr. J.Devaraju	Ministry of Science and Technology, Department of Science and Technology	Government	Department of Petroleum Engineering and Earth Science	2015-16	27.13	3 Years
31	Immobilization of enzymes on various nanostructures for the fabrication of bio-sensors	Dr. Jitendra K. Pandey	Science and Engineering Research Board-Department of Science and Technology, Govt. of India	Government	Department of Applied Science	2015-16	17.79	3 years
32	Development of Knowledge-based Tutoring system for seismic data interpretation using visual and analytical tools integrated intelligent tutoring	Dr. Neelu Jyothi Ahuja	Ministry of Science and Technology, Department of Science and Technology	Government	Department of Computer Science	2015-16	29.36	3 Years
33	Rural Woman Technology Park	Dr. Neelu Jyothi Ahuja	Ministry of Science and Technology, Department of Science and Technology	Government	Department of Computer Science	2014-15	52.69	3 Years
34	Micro fluidic lab on chip sensor to detect and monitor viscosities for a variety of biochemical applications	Dr. Sanket Goel	Ministry of Science and Technology, Department of Science and Technology	Government	Department of Electrical and Electronics Engineering	2014-15	70.11	2 Years