

**Sponsored Research Projects, NIT Hamirpur HP**  
(Year wise 2022-23,2023-24,2024-25)

Sr. No.	PI/Co-PI	Department	Funding Agency	Title of the Project	S. O. No.	Sanctioned Date	Amount Sanctioned (In Rupees)	Project Duration	Remarks
<b>Financial Year 2024-25</b>									
1.	Dr. Robin Singh Bhadoria	DoCSE	ANRF	Generative Adversarial Network based framework for Multi-View Synthesis and Decision-making in Autonomous System	ANRF/ECRG/2-24/001950/EN S	17/02/2025	5076032	3 Year	Ongoing
2.	Dr. Jiwanjot Singh	DoEE	ANRF	Design and development of high-efficient reduce size soild-state transformer based boost inverter using SiC/GaN devices	ANRF/ECRG/2-24/001978/EN S	18/02/2025	3870000	3 Year	Ongoing
3.	Dr. Mohammad Khalid Pandit	DoCSE	IIT Mandi iHub and HCI	Large Model for Legal Assistance	IIT MANDI iHub/RD/2024-25/01	13/01/2025	13206300	2 Year	Ongoing
4.	Dr. Hemant K. Vinayak	DoCE	HPSDMA	Appropriate Construction Practice-Educating Community	DMC-(c) -F-2/2022-SDMF	26/11/2024	933680	2 Year	Ongoing
5.	Dr. Sandeep Sharma	DoPPS	SERB,CRG	Investigation the Hydrogen Evolution (HER) activity of MXens/MoSe <sub>2</sub> based hybrid	CRG/2022/007100	18/10/2024	3644696	3 Year	Ongoing
6.	Dr. T.P. Sharma	DoCSE	MeitY	Information Security Education and awareness (ISEA) project phase-III	L-14017/1/2022-HRD	19/06/2024	21600000	5 year	Ongoing
7.	Dr. Nisha	DoPPS	DST	DST Inspire Faculty Fellow	DST/INSPIRE /IFF/Hot Transfer/2024-25	05/06/2024	901616	4 year	Ongoing
8.	Dr. Meghna Sharma	DoCE	DST	DST Inspire Faculty Fellow	DST/INSPIRE /Faculty/Batch - 19/2023/IFA2 2 ENG 339	04/06/2024	1684623	4 year	Ongoing
9.	Dr. Minakshi Jain	DoArch	BIS	Study of the different types/varieties and performance parameters of flexible polyvinyl chloride (PVC) flooring manufactured and/or	CED-0120	03/05/2024	605000		Ongoing

				available in Indian market					
<b>Financial Year 2023-24</b>									
1.	Dr. T. P. Sharma & Dr. Nitin Gupta,	DoCE	DST	Fist Engineering Science Level BC or D project	SR/FST/ET-1/2023/1308	14/02/2024	22300000	5 year	Ongoing
2.	Dr. Manoj Sharma,	DoHSS	ICSSR	Eminence of Local Deity Traditions and their Influence on the Socio-culture values of Contemporary Society: A study of Kullu and Shimla Districts of Himachal Pradesh	ICSSR/RPD/RPR/2023-24/40	23/03/2024	4500000	2 year	Ongoing
3.	Dr. Anshul Sharma,	DoME	CRG, SERB	A Nonlinear constitutive model for graded auxetic structure with tunable Mechanical properties for aerospace application	MTR/2023/00835	26/02/2024	660000	3 year	Ongoing
4.	Dr. Ajoy Debbarma,	DoME	CRG, SERB	Understanding flow boiling behavior and heat transfer enhancement with ferrofluids under externally magnetic field	CRG/2023/005590	18/02/2024	3358696	3 Year	Ongoing
5.	Dr. Chandra Shekhar Prasad	DoECE	CRG, SERB	Design and development of Circularly Polarized Leaky-Wave antenna in Substrate Integrated Image Guide/Dielectric Image Line environment for 5Gmm-Wave application	CRG/2023/006860	23/01/2024	902000	5 Year	Ongoing
6.	Dr. Mahesh Angira	DoECE	SERB, New Delhi	Design and development of cost –effective alternative to floating metal-based RF-MEMS Shunt capacitive switch for B5G and 6G applications	CRG/2023/003830	02/01/2024	4317959	3 Year s	Ongoing
7.	Dr. Rahul Saha,PI,	DoCHE	SERB, New Delhi	Understanding the interfacial properties between complex crude oil and multidimensional nanoparticles nd developing a nanofluid, nanoemulsion and nanofoam for oil recovery and hydrogen storage application	EEQ/2023/000292	02/01/2024	5138734	3 years	Ongoing
8.	Dr. Himesh Handa,PI,	DoEE	HIMCOSTE	Artificial Intelligence based automated home-waste segregator and composter	STC(F)-8-1/2022-1628	20/12/2023	5500000	2 years	Ongoing

9.	Dr. Abhijit Bhattacharyya,	DoECE	DST	Non-Invasive low cost cardiac sound signal processing system for human heart health monitoring	SP/YO/2021/2337(G)	04/12/2023	1080367	2 year	Ongoing
10.	Dr. Pamita Awasthi & Dr. Rajesh Sharma	DoCHY	DST	NIDHI- Inclusive Technology Business Incubator-iTBI	34/8/2022-NEB(c)	22/11/2023	49700000	3 Year	Ongoing
11.	Dr. Sunder Kala Negi,	DoHSS	ICSSR New Delhi	Documentation of traditional deity rituals and alcoholic customary culture practices in western Himalayan kinnaura tribe of Himachal Pradesh	02/54/2022-23/ST/TS/RP	01/09/2023	1000000	2 years	Ongoing
12.	Dr. I. P. Singh,	DoArch	DEST	Carrying capacity assessment of eco-sensitive Zone, HP	Env. S&T (F)5-34/2021-1119	01/08/2023	700000	2 year	Ongoing
13.	Dr. R.K. Vats,	DoMSC	CSIR New Delhi	Analysis of controllability and stability for fraction differential equation using fixed point theory	25/0321/23/EMR-II	03/07/2023	2017000	3 years	Ongoing
14.	Dr. Mamta Awsthi	CoES	SAP Scheme, IIT Madras	Scalable Small Scale Business Model for E-waste Management through 3R's Deep Learning Collection System and Market Chain	SAP22-NITHami-109	21/06/2023	4104256	3 year	Ongoing
15.	Dr. Gargi Khanna Co-PI,	DoECE	Chips to Statup (C2S)	ASIC and package design of ultra small Atomic clock	EE-9/2/2021-R&d-E	19/05/2023	9500000	5 Year	Ongoing
<b>Financial Year: 2022-23</b>									
1.	Dr. Mamta Awasthi	CoES	NMHS	Advance microalgal biorefinery approach for recycling of domestic sewage/wastewater for cleaner and greener Himalayan region	NMHS/2022 2-/MG85/02/281	14/03/2023	3452760	3 year	Ongoing
2.	Dr. Rajesh Kumar,	DoME	SERB, New Delhi	Design of advanced h-BN/MOFs (Metal-organic Frameworks)based nanocomposites for hydrogen storage	CRG/2022/007163	30/01/2023	650000	3 Year	<b>Transfer NIT Jalandhar</b>

3.	Dr. Dilshad Ahmad Khan,	DoME	SERB, New Delhi	Design, fabrication and Experimental Investigations into Extrusion Pressure Based Magneto rheological Finishing Tool	CRG/2022/005226	30/01/2023	2250000	3 Year	Ongoing
4.	Dr. Ajoy Debbarma,	DoME	SERB, New Delhi	Experiment and Numerical study on a battery Thermal Management System by Mist jet Impingement Integrated Forced-Air Convection	EEQ/2022/000627	16/12/2022	2268323	3 Year	ongoing
5.	Dr. Abhijit Bhattacharyya, PI,	DoECE	SERB, New Delhi	Development of robust multi-sensor non-stationary data analysis method using array signal and deep learning techniques for electroencephalogram (EFG) signal analysis	CRG/2022/008516	24/11/2022	19224456	3 Year	ongoing
6.	Dr. Ravi Kumar, PI,	DoMSE	IUAC, New Delhi	Effect of Swift heavy ion irradiation induced strain on spin and orbital ordering in RVO3 thin films (R=La,Pr,Y)	BTR-3:AUCID: 72301	24/07/2022	1000000	3 Year	ongoing
7.	Dr. Rakesh Sharma , PI & Dr. Ashok Kumar Co-PI,	DoECE	ISRO	Development of automated detection and classification software to map lunar craters in the polar regions using Chandrayaan-2 data	ISRO/SPO/GIA/2022	06/07/2022	2003760	3 Year	Ongoing
8.	Dr. Vijay Shankar, Assoc. Prof.	DOCE	IIRS-ISRO	Monitoring and Assessment of Mountain Ecosystem and Services in North-West Himalaya ( Phase-II): Monitoring and Modeling of Hydrological Processes in Glaciated and Non-Glaciated Watersheds of North-West Himalaya	DS-3P-/2022/3/2020-Sec-3	22/07/2021	3091000	3 Year	ongoing