

Grant Received for FY-2022 to 20.03.2023

S.No	Financial Year	Name of Faculty (Principal Investigator)	Department Name	Name of the Funding agency	Funding Scheme	Title of the Project	Student / Faculty	Student Name	Consultancy / Research	Date of Sanction Letter from agency	Sanctioned Amount ( Rs.)	Duration of Project	Sanction Letter of Project S.No.
1	2022-23	Arun Mittal	Mgmt	ICSSR	ICSSR	Role of Women Entrepreneurship in Holistic Empowerment of Women: An Empirical Study of Semi-Urban and Urban Women Entrepreneurs	Faculty		Research	29.03.2022	300000.00		02/43/GN/2021-22/ICSSR/RP/MJ
2	2022-23	Rishi Sharma	Physics	UGC-DAE CSR	CRS	Synthesis of Reduced Graphene Oxide-metal nanoparticles for early detection of Hepatocellular Carcinoma	Faculty		Research	30.03.2022	135000.00	1 Year	CRS/2021-22/01/464
3	2022-23	Neelima Sharma	Pharmacy	UGC-DAE CSR	CRS	Synthesis of Reduced Graphene Oxide-metal nanoparticles for early detection of Hepatocellular Carcinoma	Faculty		Research	30.03.2022	135000.00	1 Year	CRS/2021-22/02/531
4	2022-23	Paramjit Kour	Physics	UGC-DAE CSR	CRS	Role of Microstructure and interface Strain engineering in Magneto-Electric Properties of PFN/CZFMo Composite	Faculty		Research	30.03.2022	135000.00	1 Year	CRS/2021-22/01/441
5	2022-23	Abhimanyu Dev	Pharmacy	ICMR	ICMR	Development dual functionalised carbogenic nanocarrier for active targeting of CD44 and αvβ3 integrin receptors in breast cancer	Student	Pradeep Jana	Research	02.05.2022	366667.00	1 Year	5/3/8/26/ITR-F/2022-ITR
6	2022-23	Anupam Roy AD-HOC Project	Chemical Engg	ICMR	ICMR	Design and development of low cost technology for micronutrient protein-fortified whole grain puffed rice	Faculty	Arunima Mukherjee	Faculty	02.05.2022	5101936.00	3 years	5/9/1302/2020-Nut
7	2022-23	Rajeshwari Chatterjee	HMCT	IIT Delhi	UBA 2.0	Setting up a small scale pilot plant for production of organic compost from kitchen waste and dry leaves	Faculty		Research	17.05.2022	100000.00	6 mths	RP-03525G
8	2022-23	Sanath Mukherjee	Physics	IIT Delhi	UBA 2.0	Setting up a small scale pilot plant for production of biodiesel from indigenous plant	Faculty		Research	17.05.2022	100000.00	6 mths	RP-03525G
9	2022-23	Richa Pandey	Mechanical	IIT Delhi	UBA 2.0	Design and fabrication of below type biogas plant	Faculty		Research	17.05.2022	100000.00	6 mths	RP-03525G
10	2022-23	Dr. Sukalyan Chakraborty	CEE	SERB	CRG	Source Apportionment hydrodynamic study and environment fate assessment of Micro-plastics in drinking water supplying reservoirs of Ranchi, JH	Faculty		Project	26.05.2022	3810240.00	3 years	CRG/2021/001137
11	2022-23	S. K. Rout	Physics	DAE	DAE SSPS	Atomic Research Symposium	Dept		Workshop	26.05.2022	3100000.00		21(16)/TSC/I/22973/2022

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12	2022-23	Anupam Roy AD-HOC Project	Chemical Engg	ICMR	ICMR	Modifications of expanded porous starch matrix (EPSM) for promoting survival of probiotic bacteria in both high temperature and gastrointestinal condition colon lab scale 2 food product matrix validation	Student	Shipra Jha	Fellowship	08.06.2022	257000.00	1 Year	3/1/2/239/2021-NUT
13	2022-23	Debasree Ghosh	Chemical Engg	SERB	SERB SPG	Development of Energy Efficient modified refrigeration system using phase change material and its CFD analysis	Faculty		Research	08.06.2022	2981264.00	3 years	SPG/2021/004530
14	2022-23	Shelly Biswas	SER	SERB	SERB SPG	Catalyst development for hydrogen peroxide monopropellant thrusters	Faculty		Research	08.06.2022	2985664.00	3 years	SPG/2021/002817
15	2022-23	Anirban Pradhan	Chemistry	SERB	SRS	Research Scientist Scheme	Faculty		Research	14.06.2022	1600000.00		SB/SRS/2020-21
16	2022-23	Sanchita Paul	CSE	Chandrayaan - 2 Announcement of Opportunity (AO)	ISRO HQ	Machine Learning and Deep Learning based Automatic Lunar Crater Detection using Terrain Mapping Camera-2 DEM Images	Faculty		Research	24.06.2022	2198520.00	3 Years	ISRO/SPO/CH-2PO/2021-22
17	2022-23	V.S. Rathore	RS	Chandrayaan - 2 Announcement of Opportunity (AO)	ISRO HQ	Mapping and Morphological characterization of craters in the south polar region of the lunar surface Chandrayaan-2 Dual frequency SAR (DFSAR), high resolution OHRC and TMC-2 data	Faculty		Research	24.06.2022	1998520.00	3 Years	ISRO/SPO/CH-2AO/2021-22
18	2022-23	Dilip Kumar Singh	Physics	UGC-DAE CSR	CRS	Optimize the chemical vapor Deposition (CVD) growth conditions for defect free large crystalline 2D- semiconductors and their hetero-structures for Opto-electronic applications	Faculty		Research	24.06.2022	226440.00	1 year	CRS/2021-22/01/358
19	2022-23	Manish Kumar Pandey	CQEDS	SERB	Karyashala	Techniques & Applications of Hyperspectral Data Analytics	Faculty		High End Workshop	04.07.2022	500000.00		AV/KAR/2022/0053
20	2022-23	Ajay Kumar	EEE	SERB	Karyashala	Power Electronics Interface for Green Energy Sources and e-Mobility	Faculty		High End Workshop	04.07.2022	500000.00		AV/KAR/2022/0026
21	2022-23	Manoj Kumar Mukul	ECE	SERB	Karyashala	Brain Machine Interface	Faculty		High End Workshop	04.07.2022	500000.00		AV/KAR/2022/0048

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22	2022-23	Gautam Sarkhel	Chemical Engg	GOI MoD	CARS	Study the Effect of Stretching on Physico-Mechanical Properties of Acrylates	Faculty		Research	13.07.2022	8136800.00	30 mths	DGNSM/05/5034/DMSR-563/CARS.03
23	2022-23	Ashoke Sharon	Chemistry	Vigyan Prasar	Vigyan Prasar	Workshop	Dept		Research	15.07.2022	392000.00		VP/efd/1558/ACS WORKSHOP/2019/131
24	2022-23	S.K. Ghorai	ECE	ISI Kolkata	NM ICPS	Technology Innovation Hub ISI	Faculty		Research	26.07.2022	10000000.00	3 Years	SI-TIH/2022/48
25	2022-23	Papiya Majumdar	Pharmacy	ICMR	ICMR	Pedilanthus tithymaloides L. (Family: Euphorbiaceae) in progression of diabetic macrovascular complications in coexistence with Non Alcoholic Fatty Liver Disease	Student	Monica Bhardwaj	Fellowship	27.07.2022	267800.00	1 Year	3/1/2/(12)/OBS/2022-NCD-II
26	2022-23	K. Sridhar Pattanaik	CSE	SERB	PAC Meeting	Smart India Hackthon Software 2022 Edition	Dept		Research	17.08.2022	672000.00		1-1/IC/SIH-22/2021-22/21
27	2022-23	S. Muthu Kumar	BEBT	SERB	SIRE International Research Experience	SERB SIRE	Faculty		Fellowship	02.09.2022	850000.00	3 mths	SIR/2022/000449
28	2022-23	Nisha Gupta	ECE	SERB	SERB SPG	Mitigation of Electromagnetic Interference and Electromagnetic Compatibility issues in Wearable IoT devices.	Faculty		Research	05.09.2022	2935000.00	3 years	SPG/2021/002212
29	2022-23	Anirban Pradhan	Chemistry	SERB	SRG	Bottom-up solution phase synthesis of curved polycyclic aromatics, nanographene, carbon nanoribbons and nanobelts for next-generation optoelectronics	Faculty		Research	09.09.2022	3117824.00	2 Years	SRG/2022/000628
30	2022-23	Debdutta Chakraborty	Chemistry	SERB	SRG	Direct Dynamics Simulation Study on the Catalytic Hydrogenation of CO <sub>2</sub> by Some Transition Metal Hydride Clusters	Faculty		Research	09.09.2022	2364202.00	2 Years	SRG/2022/001280-C

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31	2022-23	Chandralata Bal	Chemistry	SERB	SPG	Natural Product inspired synthesis and biological evaluation of novel pyranone/pyridinone analogs as enhancer of muscle energy expenditure to treat type 2 diabetes	Faculty		Research	15.09.2022	1617000.00		SPG/2021/004524
32	2022-23	C.Jeganathan	DRIE	DST	FIST Meeting	Holding 2 Meeting	Faculty		Research	15.09.2022	780000.00	1 Day	
33	2022-23	Atul Kumar	Chemistry	SERB	SRG	Photo-responsive tetra-aryl pyrazole based emissive organic nao-cage as an artificial light harvester for heterogeneous photocatalysis	Faculty		Research	26.09.2022	3176712.00		SRC/2022/001484
34	2022-23	Arun Kadian	Mechanical	SERB	Karyashala	Joining techniques for modern transportation sector	Faculty		High End Workshop	7.10.2022	500000.00	5 Dec 22 to 11 Dec 22	AV/KAR/2022/0593
35	2022-23	Dilip Kumar Singh	Physics	SERB	Karyashala	Nanostructured Devices	Faculty		High End Workshop	7.10.2022	500000.00	5 Dec 22 to 11 Dec 22	AV/KAR/2022/0574
36	2022-23	Sumit Mishra	Chemistry	SERB	SIRE International Research Experience	Synthesis of bio-based and multifunctional adhesive hydrogels for environmental and biomedical applications	Faculty		Fellowship	13.10.2022	1777195.00	6 mths	SIR/2022/000519
37	2022-23	Gayatri Paul	PIE	SERB	SRG	Assessment of tribological properties of graphene based nanolubricants by ball milling for automotive applications	Faculty		Research	17.10.2022	3292340.00	2 Years	SRG/2022/000810
38	2022-23	Richa Mishra	ECE	SERB	SERB SPG	Scalable Assembly of Painless Hollow Microneedle Array	Faculty		Research	18.10.2022	2915264.00	3 years	SPG/2021/004087
39	2022-23	S. Padhi	Maths	DAE	DAE SSPS	88th International Meeting 27 to 30 dec 2022	Dept		Research	18.10.2022	950000.00	4 days	02010/10/2022/R&D-II/13519
40	2022-23	Amar Nath Mishra	Chemical Engg	CMPDI	CIL	Development of a rational technology for production of ceramic materials from coal mining, washeries and processing wastes	Faculty		Research	19.10.2022	9661016.00	2 Years	CMPDI//CIL/R&D/04-17-2022/338
41	2022-23	Subhajit Sen	CEE	SERB	SRG	Impact response of bio-inspired fibre-based helicoidal composites	Faculty		Research	25.10.2022	3266860.00	2 Years	SRG/2022/001224

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42	2022-23	Alok Jain	BEBT	SERB	SRG	A multi scale simulation based approach to design, characterise and optimize the peptide based scaffold for tissue engineering applications	Faculty		Research	07.11.2022	2981589.00	3 Years	SRG/2022/000575
43	2022-23	C.Jeganathan	DRIE	DST	PAC	DST PAC MMME Meeting			Research	09.11.2022	1225000.00	2 days	SB/S3/PAC-MEETING/MMME/2020
44	2022-23	Bapi Gorain	PIE	SERB	SRG	Mechanistic insight of healing diabetic wound by different varieties of honey via regulating the expression of adenosine monophosphate-activated protein kinase (AMPK), hypoxia inducible factor-1 $\alpha$ (HIF-1 $\alpha$ ) and inflammatory cytokines with special emphasis on identification of active component in honey	Faculty		Research	14.11.2022	2940335.00		SRG/2022/001211
45	2022-23	Animesh Ghosh	Pharmacy	SERB	CRG	"Mitigation of poor physical and chemical properties of SGLT2inhibitor by drug-drug cocrystallization with DPP4 inhibitor and comparative pharmacokinetic study with their respective co-administered drug products"	Faculty		Research	07.12.2022	2843764.00	2 Years	CRG/2022/002500
46	2022-23	Anupam Roy	Physics	SERB	SRG	Exploring Resistive Random Access Memory Devices based on Two-Dimensional Materials for Non-Volatile Memory Applications	Faculty		Research	15.12.2022	3211868.00		SRG/2022/000788
47	2022-23	HOD	CEE	DST	FIST	DST FIST 2022	Dept		Research	19.12.2022	9400000.00	2 Years	SR/FST/ET-I/2022/1054
48	2022-23	HOD	ECE	DST	FIST	DST FIST 2022	Dept		Research	19.12.2022	17500000.00	2 Years	SR/FST/ET-II/2022/1021
49	2022-23	HOD	RS	DST	FIST	DST FIST 2022	Dept		Research	19.12.2022	20400000.00	2 Years	SR/FST/ES-I/2022/102
50	2022-23	HOD	Mechanical	DST	FIST	DST FIST 2022	Dept		Research	19.12.2022	8800000.00	2 Years	SR/FST/ES-I/2022/1070
51	2022-23	Nishi Srivastava	Physics	SERB	MTR(Maric s)	Dimensional Materials for Non-Volatile Memory Applications	Faculty		Research	26.12.2022	660000.00	2 Years	MTR/2022/000095

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52	2022-23	Pulak Dutta	Chemical Engg	DRDO	DRDO	Development of radiation, chemical, flame-resistant high performance polymer composite for defence application	Faculty		Research	28.12.2022	3672200.00	3 years	ERIP/ER/2022 10001/M/01/1815
53	2022-23	Abhjit Mustafi	CSE	DST	PURSE	DST PURSE 2022	Intitute		Research	13.01.2023	85000000.00	4 Years	SR/PURSE/2022/130
54	2022-23	Muthu Kumar Sampath	BEBT	SERB	CRG	Bioleaching process for the recovery of precious metals (Cu, Ag) from electronic waste: Towards circular economy	Faculty		Research	07.02.2023	2951865.00	3 years	CRG/2022/00 6243
55	2022-23	Rishi Sharma	Physics	SERB	CRG	Development of solid lubricant coatings for bearing components using custom made magentron sputtering system	Faculty		Research	06.02.2023	4479840.00	3 years	CRG/2022/00 5368
56	2022-23	Sanat Kumar Mukherjee	Physics	SERB	CRG	Atmospheric plasma surface treatment and development of graphene-reinforced zinc-rich nanocomposite coatings on aircraft structure materials for superior corrosion and wear resistance	Faculty		Research	08.02.2023	3421264.00	3 years	CRG/2022/00 4445
57	2022-23	Bappa Acherjee	PIE	SERB	CRG	Laser based manufacturing of multi layer polymer metal sandwich composite and performance assessment for lightweight material applications	Faculty		Research	14.02.2023	5439544.00	3 years	CRG/2022/00 4102
58	2022-23	BARNALI DASGUPTAGHOSH	Chemistry	SERB	CRG	Electrospun PVDF based piezoelectric nanocomposite energy harvesters for self-powered smart wearable and implantable electronics	Faculty		Research	14.02.2023	4819474.00	3 years	CRG/2022/00 1610
59	2022-23	Arkadeb Mukhopadhyay	Mechanical	SERB	CRG	Development of multi-layered lead free electroless Ni-B coating with high wear resistance, thermal stability and corrosion resistance for tribological applications u	Faculty		Research	16.02.2023	3795264.00	3 years	CRG/2022/00 1441
60	2022-23	Indrajit Mukherjee	CSE	SERB	CRG	Multi-Source Optimization using deep learning framework for downscaling satellite-derived thermal data	Faculty		Research	24.02.2023	1908240.00	3 years	CRG/2022/00 6660

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61	2022-23	Monika Dwivedi	PST	ICMR	ICMR	Protein nanoparticles integrated biodegradable microneedle patch: Preclinical investigation on extended therapeutic effect of apremilast through localized intradermal delivery for Psoriasis	Faculty		Research	22.11.2022	1084729.00	1 Year	35/03/2022-NANO/BMS
62	2022-23	Abhijit Mondal	Chemical Engg	ICMR	ICMR	Degradation of polystyrene microplastics (PMPs) from wastewater using Novel Continuous Rotating Electro-Chemical Reactor (CRECR)	Faculty		Research	20.03.2023	4416880.00	3 years	F. No. R.11013/10/2023-GIA/HR
63	2022-23	Raju Poddar	BEBT	SERB	CRG	Indigenous development of novel biomaterial for laser tissue soldering process and real-time monitoring with optical coherence tomography/angiography system	Faculty		Research	01.03.2023	3364561.00	3 years	CRG/2022/001404
64	2022-23	Debomita Ghosh	EEE	CCL	CSR	Adaptive Irrigation Management System using Sustainable Energy	Faculty		Research	28.02.2023	270000.00	1 Year	CCL/SC&CSR/76