

Project FY 2023-24

S.No	Financial Year	Center Name	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 Sanctioned Letter from agency	Sanctioned Amount (Rs in Lacs)	Duration of Project	Sanction Letter of Project S.No.	Sanctioned 1 Year Grant	Approved /Sanctioned/Grant
1	2023-24	BIT Mesra	Abhjit Mustafi	CSE	DST	PURSE	Acenter for advanced machine learning for geospatial analytics in JH state(ARMLEGS)	Institute		Research	27.02.2023	8,50,00,000.00	5 Years	SR/PURSE/2022/130(G) SR/PURSE/2022/130(C)	4,78,64,775.00	Grant
2	2023-24	BIT Mesra	HOD CEE	CEE	DST	FIST	DST FIST 2022	Institute		Research	07.03.2022	49,95,000.00	4 Years	SR/FST/ET-I/2022/1054	49,95,000.00	Grant
3	2023-24	BIT Mesra	HoD Sandeep S Solanki	ECE	DST	FIST	FIST Engineering Sciences Level B C or D	Department		Research	07.03.2023	1,78,00,000.00	4 Years	SR/FST/ET-II/2022/1021©	1,31,00,000.00	Grant
4	2023-24	BIT Mesra	Swagata Payra	RS	DST	FIST	"FIST Earth and Atmospheric Sciences Level B C or D Project	Department		Research	09.03.2023	2,15,00,000.00	4 Years	SR/FST/ES-I/2022/102	1,44,75,000.00	Grant
5	2023-24	BIT Mesra	Smriti Mishra	A & P	DST	INSPIRE	Competitiveness index modelling for perspective development and integrated upliftment focusing on heritiage towns	Student	Aditi Nag	Fellowship	17.03.2023	4,58,960.00	5 Years	DST/INSPIRE Fellowship/2021/IF210191	4,58,960.00	Grant
6	2023-24	BIT Mesra	Prabhat kr. Upadhyay	EEE	ICMR	ICMR	Brain Signal Controlled Wheel Chair	Faculty		Research	17.03.2023	31,01,638.00	3 Years	BMI/12(01)2022	19,24,060.00	Grant
7	2023-24	BIT Mesra	S K Rout	Physics	DRDO	CARS -Naval Physical & Oceanographic laboratory	Development of lead free piezoceramics for underwater applications	Faculty		Research	24.02.2023	29,21,264.00	2 Years	NPOL/23/CR009/TS/GN/LP	8,46,671.00	Grant
8	2023-24	BIT Noida	Arun Mittal	Mgmt	ICSSR	ICSSR	The Impact of Non-verbal Cues in Advertising Appeals and Music in TV Commercials on Socially Responsible Consumption and Consumer Purchase Intention: The Mediating Role of Attitude and Subjective Norms.	Student	Ankita Das	Fellowship	15.12.2022	5,20,000.00	2 Years	RFD/2022-23/GEN/MGT/56	3,10,000.00	Grant
9	2023-24	BIT Mesra	S K Jain	Maths	DAE Gol	NBHM library	To purchase books of mathematics related to IMSc	Faculty		Books	30.03.2023	2,00,000.00	1 year	02012/81/2023/NBHM/LG/R &D-II/ 4285	2,00,000.00	Grant

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10	2023-24	BIT Mesra	Koel Mukherjee	BEBT	IHFC	IIT Delhi	Nanorobotic drug delivery system & lab-on-chip platform development	Faculty		Research	31.03.2023	45,88,600.00	3 Years	GP/2023/NR/035	1,78,200.00	Grant
11	2023-24	BIT Mesra	Shamama Anwar	CSE	SERB	SUPRA	Visually Evoked EEG Classification and Perceived Image Regeneration using Deep Learning for Brain Fingerprinting	Faculty		Research	21.04.2023	24,15,705.00	3 Years	SPR/2022/000154	11,35,805.00	Grant
12	2023-24	BIT Mesra	C Jeganathan	DRIE	INAE	National Frontiers of Engineering (NatFOE-2023)	INAE-SERB Conclave on Atmanirbhar Technologies -Engineering Secured Future	Institute			21.04.2023	15,00,000.00	3 days	INAE/NatFOE-2	3,15,432.00	Grant
13	2023-24	BIT Mesra	Shamama Anwar	CSE	BIRAC	AGC Jancare	Development of Intelligent block chain techniques for providing efficient management and storage solutions for E-healthcare	Faculty		Research	08.05.2023	10,00,000.00	8 Mths	from Email	7,50,000.00	Grant
14	2023-24	BIT Mesra	Sanat K Mukherjee	Physics	UGC DA	CSR	Development of novel p-type TCOs using HIPIMS and fabrication of transparent p-n heterojunction diodes	Faculty		Research	15.05.2023	1,35,000.00	3 Years	CRS/2021-22/01/378	45,000.00	Grant
15	2023-24	BIT Mesra	K K Senapati	CSE	SERB	SSY	Cyber Crime & Investigation	Faculty		International Workshop	10.05.2023	2,50,000.00	12.06.2023 to 17.06.2023	SSY/2023/0002	2,50,000.00	Grant
16	2023-24	BIT Mesra	Satyaki Sarkar	A & P	ICSSR	Major Research Project	INTERRELATIONSHIP BETWEEN SOCIO-ECONOMIC DEVELOPMENT, SOCIAL INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT: AN EMPIRICAL STUDY ON SMALL HERITAGE TOWN	Faculty		Research	25.05.2023	7,50,000.00	2 Years	File No. 02/28/2022-23/RP/MJ	3,00,000.00	Grant

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17	2023-24	BIT Mesra	Manish Kr Pandey	CQEDS	SERB	VRITIKA	Hyperspectral Data Analytics	Faculty		Workshop	30.05.2023	1,50,000.00	1 month	AV/VRI/2022/0339	1,50,000.00	Grant
18	2023-24	BIT Mesra	Pankaj Mishra	EEE	SERB	KARYASHALA	Operational equipments and control issues of smart technology driven active distribution network	Faculty		Workshop	12.04.2023	5,00,000.00	7 days	AV/KAR/2022/0932	5,00,000.00	Grant
19	2023-24	BIT Mesra	R Naresh Kumar	CEE	MoC, Go	CMPDI	Assessing the Abiotic and Biotic Factors in Pit Lakes for Sustainable Management of Water and Environment	Faculty		Research	06.07.2023	1,85,41,000.00	2 Years	34012/01/2023-CCT (FTS-357407)	1,27,50,000.00	Grant
20	2023-24	BIT Mesra	Rajiv kumar	SER	CSIR	EMR II	Development of tribid Propulsion system evaluate its performance parameters	Faculty		Research	14.07.2023	22,61,600.00	3 Years	22/0870/23/EMR-II	2,66,375.00	Grant
21	2023-24	BIT Mesra	Muthu Kumar Sampath	BEBT	SERB	Travel Grant	International Conference	Faculty		International Conference	10.08.2023	49,624.00		ITS/2023/000650	49,624.00	Grant
22	2023-24	BIT Mesra	Manjari Chakraborty	A & P	Ministry of Coal	Coal of India	Recycling coal mine overburden to reuse as a value-added material to promote a circular economy	Faculty		Research	21.08.2023	1,24,44,000.00	2 Years	34012/032023-CCT (FTS-357645)	76,13,845.00	Grant
23	2023-24	BIT Mesra	Bindhu Lal	CEE	NRRDA	NRIDA	Performance Evaluation of the Roads Constructed using TerraZyme in the State of Jharkhand under PMGSY	Faculty		Research	01.09.2023	23,54,000.00	18 Months	NRRDA/3/2023-Dir (P-II)(E:383141)	9,41,600.00	Grant
24	2023-24	BIT Mesra	Bindhu Lal	CEE	NRRDA	NRIDA	Performance Evaluation of the Roads Constructed using Steel Slag in the State of Jharkhand under PMGSY	Faculty		Research	01.09.2023	23,54,000.00	18 Months	NRRDA/3/2023-Dir (P-II)(E:383141)	9,41,600.00	Grant
25	2023-24	BIT Mesra	Jit Mukherjee	CSE	SERB	International Travel Scheme	Travel Grant			International Conference	27.09.2023	1,99,447.00	6 Days	ITS/2023/002018	1,99,447.00	Grant

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26	2023-24	BIT Mesra	Sanchita Paul	CSE	SERB	Power	Smart Fatigue Detection System using IoMT Device and Advanced Machine Learning Techniques for Industrial Worker	Faculty		Research	04.10.2023	28,10,742.00	3 Years	SPG/2023/0004	12,76,000.00	Grant
27	2023-24	BIT Mesra	Rajyavardhan Ray	Physics	SERB	SRG	Magnetic excitations and crystal field effects in the honeycomb quantum antiferromagnets: Application to RCl <sub>3</sub> (R=rare earths)	Faculty		Research	03.11.2023	19,91,000.00		SRG/2023/001697	17,50,000.00	Grant
28	2023-24	BIT Mesra	R Naresh Kumar	CEE	SERB	Travel Grant	International Conference	Student	Abhishek D		05.11.2023	2,09,811.00		ITS/2023/002222	2,09,811.00	Grant
29	2023-24	BIT Mesra	Raju Poddar	BEBT	DHR	ICMR	Indigenous development of low-cost optical imaging system for early detection of Retinoblastoma in child: Proposal ID 2022-1566	Faculty		Research	09.11.2023	22,30,078.00	3 Years	R.11017/15/2023-GIA/HR	7,66,079.00	Grant
30	2023-24	BIT Mesra	T Ghose	EEE	ERLDC	ERLDC	Test bench development for investigating the performance of Battery energy storage as ancillary services			Research	04.12.2023	34,22,460.00	1 Year	D5FD433EE77299A1077D	18,84,190.00	Grant
31	2023-24	BIT Mesra	Pratim Chattoraj	Chemistry	DST	SERB	J C Bose National Fellowship			Fellowship	11.10.2023	17,56,000.00	1 Year	SR/S2/JCB-09/2	3,56,886.00	Grant
32	2023-24	BIT Mesra	Rajiv kumar	SER	AR&DB	AR&DB	Performance Estimation of a Hybrid Rocket Using Nitrous Oxide as the Oxidizers,	Faculty		Research	02.11.2023	39,83,120.00	3 Years	ARDB/PP/3978/2092	23,31,490.00	Grant
33	2023-24	BIT Mesra	Koel Mukherjee	BEBT	SERB	Travel Grant ITS	International Conference InCoB23, Australia, 12-15 Nov 2023	Faculty		International Conference	22.01.2024	1,46,511.00	4 days	ITS/2023/004538	1,46,511.00	Grant

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34	2023-24	BIT Mesra	K S Patnaik	CSE	ICMR	ICMR	Explainable AI for Hypoxic Ischemic Encephalopathy Detection Using Ultrasound Images in Jharkhand Neonates: A Deep Learning Approach	Faculty		Research	20.12.2023	40,58,495.20	2 years	EM/DEV/SG/63/2486/2023	23,79,248.00	Grant
35	2023-24	BIT Mesra	Joydeep Dhar	Chemistry	DST	SERB	Investigating the Effect of Molecular Doping in Halide Perovskites-Based Energy Harvesting Devices	Faculty		Research	10.11.2023	30,09,160.00	2 Years	SRG/2023/001191.	22,59,580.00	Grant
36	2023-24	BIT Mesra	Subha Rani Sharma	BEBT	CSIR	EMR II	Optimization of Production and Commercial Application of Xylanase from Thermophilic Bacteria of Surajkund Hotspring	Faculty		Research	28.06.2023	23,00,000.00	3 Years	60/125/23/EMR-II	2,85,833.00	Grant
37	2023-24	BIT Mesra	Arkadeb Mukhopadhyay	Mechanical Engg	SERB	KARYASHALA	Surface Engineering and Tribological Challenges in Sustainable Manufacturing	Faculty		Workshop	13.02.2024	5,00,000.00		AV/KAR/2023/0182	5,00,000.00	Grant
38	2023-24	BIT Mesra	Sushanta Ghuku	Mechanical Engg	SERB	EMEQ	A novel hard magnetic soft continuum curved robot: Multi-physical mechanics, active control, modulation, and optimized design (Acronym: NHMSC robot)	Faculty		Research	22.01.2024	23,75,934.00	3 Years	EEQ/2023/000548	11,13,000.00	Grant

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39	2023-24	BIT Mesra	Animesh Ghosh	Pharmacy	BIRAC	PACE AIR	To develop a low dose acetazolamide tablet containing acetazolamide-p-amino benzoic acid cocystal and to finalize the dosing range bioequivalent to 250 mg marketed tablet through pharmacometrics study	Faculty		Research	24.01.2024	41,35,000.00	2 Years	CMS/0013864 35986/240221 24323652	12,40,500.00	Grant
40	2023-24	BIT Mesra	Venkatesan J	Pharmacy	ICMR	ICMR	Expanding the Scope of Anti-Cancer Drug Discovery: A Multi-Targeted Approach for Simultaneous Inhibition of CDK4, CVP1B1, and Tubulin Proteins"	Faculty		Research	19.02.2024	54,18,084.00	3 Years	EMDR/SG/15/2 023-1052	30,24,249.00	Grant
41	2023-24	BIT Mesra	Saheli Bose	CQEDS	ICIMOD (International Centre for Integrated Mountain Development)	SANDEE	Behavioural responses and the impact of environmental knowledge of pond: Evidence from field experiment in India	Faculty		Research	08.11.2023	20,69,934.00	2 Years	ICIMOD SANDEE	7,24,477.02	Grant
42	2023-24	BIT Mesra	Kirti Avishek	CEE	SERB	International Travel Scheme	5th Euro Medittranean Conference for Environmental Integration, Rende (Cosenza) Italy 02.10.2023 to 05.10.2023	Student	Kanchan Lakra	Travel	09.02.2024	1,39,498.00	3 Days	ITS/2023/0040 84	1,39,498.00	Grant

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43	2023-24	BIT Mesra	Rajeev Kumar	Mech Engg.	UBA	Technology Intervention	Low cost portable automatic cow-dung making cum drying machine	Faculty		Research	01.03.2024	1,00,000.00	6 months	RP-03525G	1,00,000.00	Grant
44	2023-24	BIT Mesra	Lakhbir Singh Brar	Mech Engg.	SERB	Assistance to Professional Bodies & Seminar / Symposia Scheme	2nd International Conference on Thermo-Fluids and System Design (ICTFSD 2024) 04.04.2024 to 05.04.2024	Faculty		Conference	12.02.2024	3,50,000.00	2 Days	SSY/2023/001628		Sanctioned
45	2023-24	BIT Mesra	Venkatesan J	Pharmacy	CSIR	Foreign Travel Grant	Travel Grant	Student	Gourav Rakshit	Travel	12.10.2023	68,504.00	7 Days	TG/12064/23-HRD	68,504.00	Grant
46	2023-24	BIT Mesra	Animesh Ghosh	Pharmacy	SERB	ITS	International Travel Support:12th Crystal forms convention: The growing world of crystal forms	Faculty		Travel	19.02.2024	97,641.00	3 Days (10.09.2023 to 12.10.2023)	ITS/2023/003219	97,641.00	Grant
47	2023-24	BIT Mesra	Indranil Manna	PIE	SERB	CRG	DEVELOPMENT OF HARD AND WEAR RESISTANT COATING FOR HYDRAULIC CYLINDERS BY LASER SURFACE CLADDING AS A SUBSTITUTE FOR HARD CHROME PLATING	Faculty		Research	23.02.2024	44,66,264.00	3 Years	CRG/2023/003537	28,62,087.00	Grant
48	2023-24	BIT Mesra	Anand Pd Sinha	Mgmt	Ministry of MSME, GOI	KVIC	Collaboration KVIC Khadi Village Industries Commission, GOI, State office Ranchi, in collaboration with IIC Council BIT Mesra	Faculty		Workshop		50,000.00	2 Days		50,000.00	Grant
49	2023-24	BIT Mesra	S K Dhiman	Mech Engg.	SERB	CRG	Nanofluids based solar heat harvesting through modified hybrid PV-TEG panel for sustained solar output and extended life span	Faculty		Research	15.03.2024	37,12,192.00	3 Years	CRG/2023/008865	12,00,000.00	Grant

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50	2023-24	BIT Mesra	Lakhbir Singh Brar	Mech Engg.	SERB	CRG	Development of abrasion-resistant electroless Ni-B-W coating on cyclone separator walls and design optimization for longevity with enhanced performance	Faculty		Research	15.03.2024	48,64,445.00	3 Years	CRG/2023/002116	24,37,503.00	Grant
51	2023-24	BIT Mesra	Subendhu Naskar	Chemistry	SERB	Joint Science Education panel of 3 academics of Science	Holistic approach to explore the beauty of chemistry	Faculty		Lecture Works	22.03.2024	2,94,750.00			2,94,750.00	Sanctioned
52	2023-24	BIT Noida	Superna Dutta	Mgmt	CSRI	WISE KIRAN	Augment Cognition of adolescent & community on menstrual health & hygiene on prototype through the integration of state of the art tools & emerging technologies with behaviour change & participatory communication for sustainable development	Faculty		Fellowship	31.03.2023	40,79,120.00	2 years	DST/CSRI/2021/671		Sanctioned
53	2023-24	BIT Mesra	Arkadeb Mukhopadhyay	Mech Engg.	DST	FIST	ADVANCED RESEARCH IN ENERGY	Department		Research		88,00,000.00	4 Years			Sanctioned