

FY: 2021-22

Department of Applied Geology

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
1	DST(FIST)(309)/2021-2022/853/AGL	To Strengthen The Research Facilities In The Department of Applied Geology	DST, New Delhi	67.50	24.09.2021	23.09.2026	Prof. S. Sarangi
2	DST(SERB)(312)/2021-2022/860/AGL	A Study On The Formation And Tectono-Metamorphic Evolution of Neoproterozoic Granites And Alkaline Igneous Complexes In The Salem Block, Southern India: Implications For Lower Crustal Processes And The Geodynamics of The Southern Granulite Terrane	DST-SERB, New Delhi	28.87	27.12.2021	26.12.2023	Prof. Joseph Rohan Dsouza
3	DST(SERB)(325)/2021-2022/881/AGL	Trace Element Systematics And Sulfur Isotope Signature of Auriferous Sulfides Within The Vempalle Dolostone: Implications For Refractory Gold Mineralization In And Around Tummalapalle Area of South-Western Cuddapah Basin, Andhra Pradesh	DST-SERB, New Delhi	73.20	03.11.2022	03.10.2025	Prof. Sahendra Singh

Department of Applied Geophysics

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
4	DST(NGP)(293)/2021-2022/818/AGP	Risk Assessment By Cable-Powered Unmanned Aerial Vehicle In Covid Prone High-Density Areas	DST-NGP, New Delhi	26.62	16.09.2021	15.03.2022	Prof. Swarandeeep Sahoo
5	SJVN/2021-2022/833/AGP	Kinematic And Slope Stability Analysis For A Hydro-Project	Satluj Jal Vidyut Nigam Limited	44.84	15.10.2021	14.10.2022	Prof. Shalivahan
6	DST(TDT)(SHRI)(327)/2021-2022/888/AGP	Integrated Non-Invasive Geophysical, Archeological And Biogeochemical Characterization of Ithkhourri Heritage Sites In The Mohane River Valley	DST-TDT, New Delhi	125.93	31.03.2022	30.03.2025	Prof. Sanjit Kr. Pal

Department of Chemical Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
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7	DST(SERB)(314)/2021-2022/862/CHEMICAL(N-PDF)	Novel Formulations And Green Additives As A Replacement For Carcinogenic Methyl Tertiary-Butyl Ether(Mtbe) And Aromatics In Gasolinenovel Formulations And Green Additives As A Replacement For Carcinogenic Methyl Tertiary-Butyl Ether(Mtbe) And Aromatics In Gasoline	DST-SERB, New Delhi	21.31	02.07.2022	02.06.2024	Mentor: Prof. Ejaz Ahmad
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Department of Chemistry & Chemical Biology

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
8	CSIR(36)/2021-2022/819/CHEMISTRY	Development of Molecular Catalysts For Co2 Reduction, Water Oxidation And Reduction	CSIR, New Delhi	13.80	23.08.2021	22.08.2024	Prof. Sumanta Kr. Padhi
9	TATA STEEL/2021-2022/825/CHEMISTRY	Development of Coal Specific Collector For Low-Rank Coal Flotation	Tata Steel Ltd., Jamshedpur	14.16	10.06.2021	10.05.2022	Prof. Soumitra Maity
10	DAE(BRNS)(8)/2021-2022/827/CHEMISTRY	Application of Two-Chamber Reactors For Safe Carbonylation Reactions: Affordable Synthesis of Stable Isotope Labelled Drug Standards	Department of Atomic Energy (Board of Research In Nuclear Sciences)	32.65	11.01.2021	31.10.2024	Prof. Parthasarathi Das
11	DST(SERB)(295)/2021-2022/834/CHEMISTRY	Alkylthiocyanates As New Bifunctional Reagents In Photo-Redox Reactions: Ambident Reactivity Enabling Photo-Cascade Synthesis of Diverse S- And N-Heterocycles From Olefins	DST-SERB, New Delhi	35.57	12.01.2021	30.10.2024	Prof. Soumitra Maity
12	TATA STEEL/2021-2022/856/CHEMISTRY	Bulk Production of Supramolecular Gelator For Demulsification of Crm Scum	Tata Steel Ltd., Jamshedpur	12.98	17.01.2022	16.01.2023	Prof. Swapan Dey
13	DST(STUTI)(316)/2021-2022/865/CHEMISTRY	Stuti IIT(ISM) Dhanbad - 2021	DST-STUTI, New Delhi	224.47	11.02.2022	10.02.2023	Prof. Sagar Pal
14	IIT(ISM)/2021-2022/883/INSTITUTE	An Effort To Synthesize Artificial Leather From Jackfruit (Artocarpus Heterophyllus)	IIT (ISM) Dhanbad	9.00	04.01.2022	31.03.2023	Prof. Soumit Chatterjee
15	DST(SERB)(326)/2021-2022/884/CHEMISTRY	Chemical Depolymerization of Polyethylene Terephthalate (Pet) By Graphene Oxide (Go) Supported Transition Metal Complexes	DST-SERB, New Delhi	15.60	03.03.2022	03.02.2025	Prof. Chanchal Halder

Department of Civil Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
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16	SECCPL/2021-2022/813/CE	Variability of Material Proportioning Towards Sustainable Construction"	South East Constructions Company Private Limited	3.50	09.01.2021	31.08.2022	Prof. S.S. Mohapatra
17	AEDS/2021-2022/814/CE	Characterisation of Presstec Grout Material And Stainless Steel Tube	Advanced Engineering Diagnostics Solutions	2.00	09.03.2021	09.02.2022	Prof. S.K. Panda
18	RITES/2021-2022/832/CE	Performance Assessment of Structure Design For The Construction of One Slab And The Connected Piers of The Rob On Gomoh-Barkakana Railway Line At Btps Bokaro, Jharkhand	Rail India Technical And Economic Service Limited	3	30.11.2021	29.11.2022	Prof. S.S. Mohapatra
19	DST(SERB)(297)/2021-2022/836/CE	Assessing Tsunami Vulnerability of Low-Rise Structures By Sph Modelling"	DST-SERB, New Delhi	29.74	15.12.2021	14.12.2024	Prof. Sukanta Chakraborty
20	UCEPL/2021-2022/840/CE	Characterization And Technical Appraisal of Construction Material For Coal Mine Infrastructure Project	Universal Contractors & Engineers (P) Limited	3.54	29.12.2021	28.06.2022	Prof. S.K. Panda
21	DST(304)/2021-2022/847/CE	Green Soil - The Sustainable Option For Infrastructure Growth	DST, New Delhi	4.22	01.01.2022	31.03.2022	Prof. S.K. Das
22	BPCL/2021-2022/868/CE	Design Rationalisation of Bridge Support For Railway Siding	Bharat Petroleum Corporation Limited	5.90	14.02.2022	13.10.2022	Prof. S.K. Das

Department of Computer Science & Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
23	C3iHUB/2021-2022/820/CSE	Cloud Based Smart Video Surveillance System With Application Layer Cyber Physical Systems Security	C3Ihub, IIT Kanpur	31.28	20.09.2021	19.09.2024	Prof. Arup Kr. Pal

Department of Electronics Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
24	DST(SERB)(315)/2021-2022/863/ECE	Design And Development of Artificial Intelligence Based Fiber Optic Respiration Rate Measurement System For Psychophysiological Health Monitoring	DST-SERB, New Delhi	21.00	24.01.2022	23.01.2025	Prof. Amitesh Kumar
25	DST(SERB)(318)/2021-2022/870/ECE	Design And Development of Compact And Low-Profile Multiband Conformal Antenna System For In-Vehicle Telecommunications Equipments Supporting Cellular/Communication Bands	DST-SERB, New Delhi	33.92	22.02.2022	21.02.2025	Prof. R.K. Gangwar

26	DST(SERB)(320)/2021-2022/872/ECE	Analytical Modelling of Multi-Layered 2-D Transition Metal Dichalcogenide Fet Based Biosensor Using Green'S Function Approach	DST-SERB, New Delhi	6.60	23.02.2022	22.02.2025	Prof. Manodipan Sahoo
27	DST(SERB)(324)/2021-2022/879/ECE	Development of Millimeter-Wave Mimo Cognitive Radio Systems Using Metasurface And Substrate Integrated Waveguide For Future Wireless Communication	DST-SERB, New Delhi	46.89	03.08.2022	03.07.2025	Prof. Raghendra Kr. Chaudhary
28	DBT/2021-2022/886/ECE	Design And Development of Non-Invasive Optical Respiration Rate Measurement System For Psychophysiological Health Monitoring In Mri Environm	Department of Biotechnology, New Delhi	18.33	16.02.2022	15.02.2024	Prof. Amitesh Kumar

Department of Electrical Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
29	IIT(ISM)/2021-2022/808/INSTITUTE	Dynamic Charging of Electric Vehicles Using Wireless Power Transfer Technique	IIT(ISM) Dhanbad	10	08.10.2021	08.09.2023	Prof. P.K. Sadhu
30	DST(BDTD)(294)/2021-2022/824/EE	Design And Development of Prototype of Bronchoscopy	DST-BDTD, New Delhi	16.68	28.09.2021	27.09.2022	Prof. Gauri Shankar
31	IIT(ISM)/2021-2022/874/INSTITUTE	Development of Fast Charger For Ev	IIT(ISM) Dhanbad	7.00	14.03.2022	13.07.2022	Prof. Sukanta Das

Department of Environmental Science & Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
32	DST(SERB)(289)/2021-2022/798/ESE	(Vritika) Nanotechnology	DST-SERB, New Delhi	0.5	24.03.2021	23.07.2021	Prof. Saravanan Pichiah
33	CIL(17)/2021-2022/801/ESE	Impact of Coal Mining Dust On Soil Quality	Coal India Limited	7.67	15.05.2020	17.09.2021	Prof. S.K. Maiti
34	IIT(ISM)/2021-2022/803/INSTITUTE	Identification of Suitable Sites And Designing of Environmental Friendly Rainwater Harvesting Structures For Catching The Rain Where It Falls When It Falls In The IIT(ISM) Campus Area	IIT(ISM) Dhanbad	8.8	06.01.2021	30.05.2022	Prof. Anshumali
35	DST(SEED)(290)/2021-2022/805/ESE	Cow Dung Derived Hybrid Adsorbent For Heavy Metal Removal And Its Subsequent Utilization As Cheaper Electrodes For Energy Storage Devices	DST-SEED, New Delhi	36.16	07.07.2021	09.06.2024	Prof. B.K. Mishra

36	OMC/2021-2022/806/ESE	Preparation of Nalla Diversion With Surface Run-off Management Study Pertaining To Guali Iron Ore Mines of M/S Omc Ltd. In Keonjhar District of Odisha	Odisha Mining Corporation Limited	27	18.06.2021	17.06.2022	Prof. S.R. Samadder
37	DDWS(NJIM)/2021-2022/807/ESE	Low Cost Treatment Method For Fluoride And Arsenic Contaminated Ground Water	Ministry of Jal Shakti, Department of Drinking Water And Sanitation (National Jal Jeevan Mission)	1.12	23.07.2021	22.07.2024	Prof. B.K. Mishra
38	IIT(ISM)/2021-2022/826/INSTITUTE	Delineation of The Administrative Boundary of The Banki River, Garhwa District, Jharkhand: An Implication In Restoration And Conservation of The Ganga River Basin	IIT (ISM) Dhanbad	21	20.09.2021	19.03.2023	Coordinator : Prof. Anshumali
39	CIL(19)/2021-2022/844/ESE	Separation And Recovery of Fine Particles From Coal Washery Effluents Using Bio-Coagulant	Coal India Limited	54.87	01.04.2022	01.03.2024	Prof. S.R. Samadder
40	CIL(20)/2021-2022/845/ESE	Development of Guidelines For Delineation of Water Stressed Area And Designing of Environmental Friendly Water Storage Structure For Meeting The Water Needs In Mining Areas	Coal India Limited	107.84	04.01.2022	01.03.2025	Prof. P.K. Singh
41	BCCL/2021-2022/848/ESE	Analysis of Co, Co2, Ch4 And Its Homologues; Measurement For The Presence of Above Gases And Their Potential Danger/Harmful Effects On Human; Random Analysis of Ambient Air Quality And Analysis of Water Quality For The Mine Discharge Water In Sijua Area of Bccl	Bharat Coking Coal Limited	11.80	01.11.2022	03.10.2023	Prof. Manish Kr. Jain
42	JPL/2021-2022/876/ESE	Study On Leaching Effect of Ash Dyke And Ash Disposal Areas At Jindal Power Limited, Tamnar, Raigarh, Chattisgarh	Jindal Power Limited	11.80	03.10.2022	03.09.2023	Prof. Gurdeep Singh

Department of Fuel, Minerals & Metallurgical Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
43	BCCL/2021-2022/809/FMME	Sampling & Analysis of 80,000 Mt Slurry of Moonidih Coal Washery, Bccl	Bharat Coking Coal Limited	5.19	16.08.2021	15.08.2022	Prof. Pankaj Kr. Jain

44	BCCL/2021-2022/821/FMME	Sampling And Quality Assessment of 1.70 Lakh Tons of Rejects of Lying Between Gate of 5.0 Mtpa Patherdih Nlw Washery And To South Side of Kaccha Road To Siding At 5.0 Mtpa Patherdih Nlw Washery	Bharat Coking Coal Limited	13.44	20.09.2021	19.09.2024	Prof. Shalini Gautam
45	BCCL/2021-2022/822/FMME	Sampling, Analysis And Grading of 106805.21 Mt In H-14 & 169911.38 Mt In H-15 Heap of Reject At Patherdih Coal Washery	Bharat Coking Coal Limited	6.53	10.01.2021	31.03.2024	Prof. Shravan Kumar
46	ISRO(11)/2021-2022/823/FMME	Multiscale Simulation of Weld Solidification Cracking In Ni-Based Superalloys Used In Aerospace Applications	ISRO	19.74	10.06.2021	10.05.2023	Prof. Rahul M R
47	JSL/2021-2022/866/FMME	Effect of Coal Quality On The Performance of Jsl Thermal Power Plant	Jindal Stainless Limited	22.06	15.02.2022	14.02.2024	Prof. B.K. Nandi
48	JSL/2021-2022/867/FMME	Assessment of Losses And Improvement of Efficiency of Jajpur Thermal Power Plant, Jsl	Jindal Stainless Limited	12.39	15.02.2022	14.02.2024	Prof. Anand Anupam
49	DVC/2021-2022/880/FMME	Assessment of Properties of Coal Imported By Damodar Valley Corporation	Damodar Valley Corporation	59.00	04.01.2022	31.03.2023	Prof. B.K. Nandi

Department of Mining Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
50	SAIL(5)/2021-2022/799/ME	Assessment of The Change Detection Due To Mining Activities of Sail-Rmd Mines Through Preparation of High Resolution Satellite Map Obtained From Fusion of Cartosat-2 And Liss-Iv Datasets At A Scale of Cadastral Map And Preparation of Lulc Maps of High-Resolution Satellite Image	Steel Authority of India Limited	28.62	15.05.2021	14.05.2024	Prof. Vasanta Govind Kumar Villuri
51	SAIL(6)/2021-2022/802/ME	Scientific Study For Preparation of Computer Aided 3-D Model of Ground Level of Tasra Open Cast Project, Sail- Collieries Division	Steel Authority of India Limited	5.77	28.03.2021	27.03.2023	Prof. Dheeraj Kumar
52	STL/2021-2022/831/ME	Scientific Study Regarding Controlled Blast Design, Ground Vibration Monitoring, And Fragmentation Assessment During Blasting At Navi Mumbai International Airport	STL (Smartchem Technologies Limited)	15.7	19.11.2021	18.11.2023	Prof. A.K. Mishra

53	CCL(SDOCM)/2021-2022/838/ME	Scientific Study As Per Regulation 106(2) of The Coal Mines Regulation 2017 For Ultimate Pit Stability And Dump Slope Stability For Planning, Designing And Working of Mechanized Opencast (Shovel - Dumper Combination) In Respect of Sdocm, Dhori Area, Central Coalfields Limited	Central Coalfields Limited (Selected Dhori Open Cast Mine)	10.91	18.09.2021	17.12.2021	Prof. Gnananandh Budi
54	DST(FIST)(301)/2021-2022/842/ME	To Strengthen The Research Facilities In The Department of Mining Engineering	DST, New Delhi	220.00	03.05.2021	03.04.2026	Prof. R.K. Sinha
55	CIL(21)/2021-2022/854/ME	Real-Time Energy Efficient Cyber-Physical Intelligent System For Mine Slope Health Monitoring	Coal India Limited	238.97	02.01.2022	31.01.2024	Prof. Radhakanta Koner

Department of Mechanical Engineering

Sl. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
56	JAZANU/2021-2022/810/MECH	Structural And Machinery Failure Analyses Through Vibration And Acoustic Techniques	Jazan University, Saudi Arabia	6	08.09.2021	08.08.2024	Prof. M.L. Chandravanshi
57	DST(SERB)(291)/2021-2022/811/MECH	(Vritika) Study of Two Phase Flow	DST-SERB, New Delhi	0.5	23.06.2021	22.10.2021	Prof. Pawan Kr. Singh
58	DST(SERB)(292)/2021-2022/812/MECH	(Vritika) Investigation of Thermofluidic Characteristic of Nanofluid-Cooled Microchannels	DST-SERB, New Delhi	0.5	23.06.2021	22.10.2021	Prof. Pawan Kr. Singh
59	CIL(18)/2021-2022/830/MECH	Design And Development of Knee And Spinal Smart Protective Devices For Improving The Health And Safety of Miners	Coal India Limited	72.06	15.11.2021	14.11.2023	Prof. K.K. Singh
60	DST(SERB)(303)/2021-2022/846/MECH	Investigation of The Spall Behavior of Glass-Filled Epoxy Composites Using Laser Spallation Technique	DST-SERB, New Delhi	29.97	30.12.2021	29.12.2023	Prof. Sarthak Sambit Singh
61	DST(SERB)(313)/2021-2022/861/MECH	Fluid-Structure Interactions In A Power-Law Fluid	DST-SERB, New Delhi	6.60	14.01.2022	13.01.2025	Prof. Subhankar Sen
62	DST(SERB)(298)/2021-2022/837/MECH	Development of Highly Accurate Immersed Interface Method For Direct Numerical Simulation of Fluid-Structure Interaction Problems Under Compressible Flow Regime	DST-SERB, New Delhi	24.02	15.12.2021	14.12.2024	Prof. Swagata Bhaumik
63	DST(SERB)(299)/2021-2022/839/MECH	Investigation of The Human Retinal Vasculature For Early Prognosis of Microaneurysm Regions	DST-SERB, New Delhi	27.61	23.12.2021	22.12.2023	Prof. Ajay Bhandari

64	DST(SERB)(300)/2021-2022/841/MECH	Evaluation of An Evaporating Nanofluid Meniscus For Improved Performance of Heat Pipes	DST-SERB, New Delhi	33.7	28.12.2021	27.12.2024	Prof. Pawan Kr. Singh
65	DST(SERB)(302)/2021-2022/843/MECH	On The Reductions of Aerofoil-Turbulence Noise Through Wavy Leading And Trailing Edge Serrations	DST-SERB, New Delhi	34.09	28.12.2021	27.12.2024	Prof. S. Narayanan
66	DRDO(17)/2021-2022/855/MECH	Critical Investigation On Alloy Stainless Steel Bi Metallic Joining Using Friction Stir Welding For Aerospace Application	DRDO	9.97	24.01.2022	23.07.2023	Prof. Somnath Chattopadhyay
67	DST(SERB)(311)/2021-2022/858/MECH	Impact of Pesticide Drops On A Leaf: Minimizing of The Use of Pesticides From The Study of The Spread	DST-SERB, New Delhi	33.94	21.01.2022	20.01.2025	Prof. Deepak Kr. Mandal
68	JANATICS/2021-2022/859/MECH	Design And Development of Hardware For Controls Using Ball Screw/Belt Type Linear Actuators	Janatics India Private Limited, Coimbatore	38.44	19.01.2022	18.10.2023	Prof. Arun Dayal Udai
69	DST(SERB)(322)/2021-2022/877/MECH	Fabrication of Different Grades of Tool Steel By Twin Wire Arc Additive Manufacturing Combined With In-Situ Alloying	DST-SERB, New Delhi	37.41	03.02.2022	03.01.2025	Prof. Amitava Mandal
70	DST(SERB)(310)/2021-2022/857/MME	Enhancing The Operational Efficiency of A Hydraulic Excavator Machine By Introducing A Novel Energy Recuperative Mechanism	DST-SERB, New Delhi	39.58	21.01.2022	20.01.2025	Prof. Niranjan Kumar
71	NORMET/2021-2022/864/MME	Analysis of Operator'S Field of View of Normet Equipment: Visibility From Cabin As Per Is/Iso 5006:2017	Normet India Private Limited	10.62	02.04.2022	10.03.2022	Prof. L.A. Kumaraswamidhas

Department of Mathematics & Computing

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
72	DST(SERB)(305)/2021-2022/849/MnC	Linear Canonical Transform And Associated Wavelets And Wavelet Transform	DST-SERB, New Delhi	6.60	14.01.2022	13.01.2025	Prof. Akhilesh Prasad
73	DST(SERB)(306)/2021-2022/850/MnC	Numerical Study of Unsteady Entropy Generation And Mhd Combined Convection In Lid-Driven Porous Enclosure	DST-SERB, New Delhi	6.60	14.01.2022	13.01.2025	Prof. P.S. Rao
74	DST(SERB)(307)/2021-2022/851/MnC	Study of Multi-Time Control Problem Governed By Curvilinear Integral Cost Functional With Applications	DST-SERB, New Delhi	6.60	14.01.2022	13.01.2025	Prof. Anurag Jayswal
75	DST(SERB)(319)/2021-2022/871/MnC	Quantum Error Correcting Codes (Css Construction) With Symbol Pair Metric Over Finite Fields	DST-SERB, New Delhi	6.60	02.10.2022	02.09.2025	Prof. Abhay Kr. Singh

76	DST(SERB)(321)/2021-2022/873/MnC	Mathematical Study On The Analysis of Thermoelastic Damping And Frequency Shift In Thermoelastic Micro/Nano-Scale Beams With Complexities	DST-SERB, New Delhi	6.60	23.02.2022	22.02.2025	Prof. Abhishek Kr. Singh
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Department of Management Studies & Industrial Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
77	DST(SERB)(288)/2021-2022/797/MS	High-End Workshops For Enriching The Minds of The Young Talented Researchers And Students With The Data Science And Analytical Tools And Techniques	DST-SERB, New Delhi	1.5	27.04.2021	26.07.2021	Prof. Rashmi Singh
78	CC IPL/2021-2022/804/MS	Optimization of Distribution Network of Crystal Ceramic Industries Private Limited	Crystal Ceramic Industries Private Limited	2.4	24.06.2021	23.06.2023	Prof. Krishnendu Shaw
79	CAPGEMINI(2)/2021-2022/815/MS	Demand Sensing	Capgemini Technology Services India Limited	2.08	10.01.2021	31.12.2021	Prof. Shikha Singh
80	CAPGEMINI(3)/2021-2022/816/MS	Ev Battery Management	Capgemini Technology Services India Limited	2.62	10.01.2021	31.12.2021	Prof. Shikha Singh
81	CAPGEMINI(4)/2021-2022/817/MS	Predictive Analytics To Improve The Availability of The Manufacturing Equipment In Automotive Firms	Capgemini Technology Services India Limited	2.08	10.01.2021	31.12.2021	Prof. Shikha Singh
82	IIT(ISM)/2021-2022/828/INSTITUTE	Developing Inclusive Agriculture Ecosystem For Jharkhand: Application To Fintech And Blockchain	IIT (ISM) Dhanbad	21.4	11.01.2021	31.10.2023	Prof. Shashank Bansal
83	SEBI/2021-2022/829/MS	Tunneling Or Propping? Shareholders Decision On Related Party Transaction: Evidence From A Quasi Natural Experiment	Securities And Exchange Board of India	3.5	11.11.2021	02.10.2023	Prof. Shashank Bansal
84	DST(SERB)(308)/2021-2022/852/MS	Investigating The Optimal Electricity Generation Mix For India Using A Fuzzy Portfolio Optimization Approach	DST-SERB, New Delhi	6.60	14.01.2022	13.01.2025	Prof. Mohd. Irfan
85	DST(SEED)(317)/2021-2022/869/MS	Improving The Economic Well-Being of Scheduled Tribe Communities (St) Using Game Theoretic And Operations Research Techniques In Jamtara District of Jharkhand State	DST-SEED, New Delhi	60.75	25.02.2022	24.02.2025	Prof. Rashmi Singh
86	CCL/2021-2022/875/MS	Socio-Economic Assessment of Project Impacted People Due To Coal Mining Projects In Central Coalfields Limited (Ccl): A Study On Selected Mines	Central Coalfields Limited	21.33	03.07.2022	03.06.2023	Prof. Bibhas Chandra

87	DST(NCSTC)(323)/2021-2022/878/MS	Motivate School Students And Teachers Concerning The Relevance of Science And Technology Through Innovative Communication Techniques	DST-NCSTC, New Delhi	18.18	03.11.2022	03.10.2024	Prof. Rashmi Singh
88	DSIR/2021-2022/885/MS	Assessing The Techno-Commercial Status of Trl 6 And Above Technologies In The Field of Healthcare And Agriculture	Department of Scientific And Industrial Research	19.99	04.01.2022	31.03.2023	Prof. Shashank Bansal
89	MoT(3)/2021-2022/887/MS	A Study On Sustainable Development of Handicraft Artists Belonging To Primitive Tribal Groups of Jharkhand	Ministry of Textile	17.15	17.03.2022	16.03.2023	Prof. Mrinalini Pandey

Department of Petroleum Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
90	EOGEPL/2021-2022/800/PE	Microbial Simulation And Augmentation of Gas Content of Coal Seam	Essar Oil And Gas Exploration And Production Limited	18.54	18.05.2021	17.05.2022	Prof. Keka Ojha
91	SICI(SCLSG)/2021-2022/882/PE	Insight Into Non-Thermal To Thermal Eor And Environmental Impact of Modern Petroleum & Chemical Industry	Shastri Indo-Canadian Institute (Shastri Conference And Lecture Series Grant)	0.25	24.02.2022	23.04.2022	Prof. T.K. Naiya

Department of Physics

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
92	DST(SERB)(296)/2021-2022/835/PHYSICS	Investigation of Single-Particle Structures In Pygmy Resonances In Nuclei And Development of A Gamma-Neutron Detector For Its Study	DST-SERB, New Delhi	33.09	11.08.2021	11.07.2023	Prof. Soumya Bagchi