

FY: 2024-25

Department of Applied Geology

| Sl. 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 | Analysis, modelling and mitigation methods for landslides along Bhalukpong-Tawang road in Arunachal Pradesh, India | SERB, New Delhi | 53.56 | 31.05.2024 | 30.05.2027 | Prof. Kripamoy Sarkar |
| 2 | Landslide hazard assessment and mitigation - an integration of simulation techniques and machine learning algorithms in the Himachal Himalayas | Ministry of Education (Scheme for Transformational and Advanced Research in Sciences) | 49.50 | 29.05.2024 | 28.05.2027 | Prof. Kripamoy Sarkar |
| 3 | Constraints of inhomogeneity and anisotropy on strength mobilization in thermo-mechanical evolution of shear zone: an experimental and field based studies in Son Valley, central India | Anusandhan National Research Foundation, New Delhi | 43.85 | 24.05.2024 | 23.05.2027 | Prof. Rajendra Kumar Dubey |

Department of Applied Geophysics

| Sl. 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 | Analogous Studies and Geo-Physical Modeling of Moon/Mars | Indian Space Research Organisation (ISRO), Bengaluru | 33.29 | 07.11.2024 | 06.11.2027 | Prof. Saurabh Datta Gupta |

Department of Chemical Engineering

| Sl. 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 |
|---------|-----------------------------------------------------|-----------------------------|------------------------------------------------|---------------------------------------|-------------------------------------|--------------------------|
| 5 | Conversion of Anthracene Oil into High-Speed Grease | SAIL, Bokaro | 18.26 | 04.04.2024 | 03.10.2024 | Prof. Arun Kumar Samanta |

Department of Chemistry & Chemical Biology

| Sl. 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 |
|---------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------|---------------------------------------|-------------------------------------|-----------------|
| 6 | AI-driven synthesis of green flocculant and its application towards the treatmentn of mine process effluent | (Technology Innovation in Exploration & Mining Foundation), DST, New Delhi | 19.94 | 24.04.2024 | 23.04.2025 | Prof. Sagar Pal |

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|---|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------|------------|------------|----------------------------|
| 7 | Development of novel high-performance polymeric admixture for concrete and thereof | JSW Cement Limited, Mumbai | 15.75 | 01.08.2024 | 31.10.2025 | Prof. Sagar Pal |
| 8 | Bioscopy - Towards modern transdisciplinary education and research in microscopy" under Indo-Norwegian Cooperation Programme 2024 (INCP2) | University Grants Commission, New Delhi | 114.66 | 05.03.2025 | 04.03.2028 | Prof. Biswajit Chowdhury |
| 9 | Advanced Carbon Materials from Forest Biomass Waste: A Circular Approach to Renewable Energy Storage and Fire Prevention | Office of the Conservator of Forests and State Silviculturist, Bhubaneswar, Govt. of Odisha | 12.65 | 06.03.2025 | 05.09.2026 | Prof. Ganesh Cahndra Nayak |

Department of Civil Engineering

| Sl. 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 |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------|---------------------------------------|-------------------------------------|--------------------------------|
| 10 | A Novel Modeling Approach for Selecting Suitable Intrinsic Bioremediation Strategies for Attenuating Oil Spills in Coastal Aquifers | SERB, New Delhi | 28.86 | 24.05.2024 | 23.05.2027 | Prof. Renu V |
| 11 | Application of hybrid techniques for generation of Decision Support System for quantifying the population vulnerability due to geogenic contaminants and development of cost-effective remediation methods, in the mining-affected and surface-groundwater interaction zones in the Damodar basin | SERB, New Delhi | 36.13 | 31.05.2024 | 30.05.2027 | Prof. Srinivas Pasupuleti |
| 12 | Making subgrade layer in flexible pavements water resistant using organosilane based chemical technology | Zydex Industries Private Limited, Vadodara, Gujarat | 17.36 | 26.06.2024 | 25.06.2025 | Prof. Avinash Kumar Singh |
| 13 | Performance assessment of bridge for design and operation rationalisation | Rajbir Construction Pvt. Ltd., Ranchi | 4.13 | 26.06.2024 | 25.06.2025 | Prof. Smruti Sourava Mohapatra |
| 14 | Design rationalisation of bridges for structural performance and traffic operation | Rotrans Infra Projects Private Limited, Bhubaneswar | 4.72 | 03.07.2024 | 02.07.2025 | Prof. Smruti Sourava Mohapatra |
| 15 | Cost-effective Safety Solution for Low-rise Masonry Dwellings Subjected to Rock Fall Impact Induced by Landslides: Laboratory Testing, Field Demonstration and Development of Guidelines for Hilly Regions | National Mission on Himalayan Studies (NMHS), Almora, Uttarakhand | 49.00 | 09.10.2024 | 08.10.2027 | Prof. Sanket Nayak |
| 16 | Component Level and System-Level Vulnerability Assessment of Various Bridges under Diverse Loading Conditions | Sparsh Engineering Company Private Limited, Ranchi, Jharkhand | 52.14 | 30.10.2024 | 29.10.2027 | Prof. Piyali Sengupta |
| 17 | Design of Mechanical Metasurfaces for Wave Isolation Applications by Developing a Large Deformation Peridynamics Shell Model | DRDO (AR&DB), New Delhi | 25.38 | - | - | Prof. Pranesh Roy |

| Department of Computer Science & Engineering | | | | | | |
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| Sl. 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 |
| 18 | Information Security Education and Awareness (ISEA) Project Phase-III | Ministry of Electronics and Information Technology, New Delhi | 201.60 | 18.04.2024 | 17.04.2029 | Prof. Sachin Tripathi |
| 19 | To develop LLM based Expert AI agent for Mission Operation Management | Indian Space Research Organisation (ISRO), Bengaluru | 28.08 | 12.11.2024 | 11.11.2027 | Prof. Saurabh Srivastava |
| 20 | Development of Low-Cost Artificial Intelligent System for Prediction of Bone Mineral Density (BMD) From Plain Radiographic Images in Osteoporosis Detection | Indian Council of Medical Research, New Delhi | 29.17 | 01.02.2025 | 31.01.2028 | Prof. Arup Kumar Pal |
| 21 | Development of an Advanced Twin Roll Casting (TRC) System for Minimizing Segregation in Aluminum & Magnesium Alloys: Advancing Sustainable Recycling in the Circular Economy | TEXMiN (Technology Innovation in Exploration & Mining Foundation), Institute Innovation Hub, Dhanbad | 4.06 | 28.03.2025 | 27.03.2026 | Prof. Saurabh Srivastava |
| Department of Electronics Engineering | | | | | | |
| Sl. 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 |
| 22 | Bandwidth Adaptive RF Power Amplifier Modeling for Cross Bandwidth Testing | Analog Devices India Pvt. Ltd. (ADI), Bangalore | 4.05 | 11.07.2024 | 10.07.2025 | Prof. Rahul Bhattacharya |
| 23 | Development of lab-scale quantum fiber network, and design of plug-and-play photonic integrated modules for its transmitter & receiver towards secure 6G communication | Department of Telecommunication (DoT), Ministry of Communication, New Delhi | 283.26 | 15.03.2025 | 14.03.2028 | Prof. Mrinal Sen |
| 24 | Development of Quantum Algorithms for Next Generation Wireless Communication Systems | Department of Telecommunication (DoT), Ministry of Communication, New Delhi | 70.44 | 18.03.2025 | 17.03.2028 | Prof. Samrat Mukhopadhyay |
| 25 | Silicon Photonic Chip based N x N Photonic Switches for 6G and Beyond | Department of Telecommunication (DoT), Ministry of Communication, New Delhi | 198.38 | 04.12.2024 | 03.12.2027 | Prof. Devendra Chack |
| 26 | TeraHertz Communication: Prototype Development and Algorithm Design | Department of Telecommunication (DoT), Ministry of Communication, New Delhi | 55.70 | 16.12.2024 | 15.12.2027 | Prof. Himanshu Bhusan Mishra |

| 27 | Light-Triggered 2D Materials Integrated Metal Oxides-based Memristive Crossbar Array for Bionic Visual Application | DST, New Delhi | 112.40 | 18.06.2024 | 17.06.2029 | Dr. Sanjay Kumar |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------|-------------------------------------|----------------------------|
| Department of Electrical Engineering | | | | | | |
| Sl. 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 |
| 28 | FIST Engineering Sciences - Project | DST , New Delhi | 203.00 | 17.05.2024 | 16.05.2029 | Prof. Sukanta Das |
| 29 | Wide Band Gap Device Based Next-Generation Intelligent Electric Traction Drive System for Electric Vehicle Application | SERB, New Delhi | 24.07 | 19.03.2022 | 18.03.2025 | Prof. Sukanta Halder |
| 30 | Design, Development and Standalone Implementation of Discrete Power Electronics Systems using Physics Informed Neural Networks | SERB, New Delhi | 26.37 | 08.02.2024 | 07.02.2026 | Prof. Sukumar Mishra |
| 31 | INAE-SERB, DST Abdul Kalam Technology Innovation National Fellowship | INAE (The Indian National Academy of Engineering) and SERB (Science and Engineering Research Board) | 42.82 | 01.10.2023 | 30.09.2026 | Prof. Sukumar Mishra |
| 32 | Sustainable Learning Environments Design of an Off-Grid Distributed Energy System Integrating an Intelligent Water Management Pump in the Eruvapalem Village School Premises | DST, New Delhi | 85.96 | 16.12.2024 | 15.12.2027 | Prof. Sukanta Halder |
| 33 | Integration of Multilevel Multiphase Motor for Electric Vehicles: Design, Development, Real-time Fault Diagnosis, and Fault-Tolerant Control for Reduced Harmonics and Torque Ripples at All Speed | Anusandhan National Research Foundation (ANRF) New Delhi | 57.84 | 24.03.2025 | 23.03.2028 | Prof. Kartick Chandra Jana |
| Department of Environmental Science & Engineering | | | | | | |
| Sl. 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 |
| 34 | Developing portable potentiometric biosensors for in-situ detection of trace metal pollutants (Cd,Pb,Hg and Cu) | Department of Biotechnology | 41.93 | 01.10.2024 | 30.09.2027 | Prof. Vipin Kumar |
| 35 | Impact of climate change on vulnerable aquifer systems in and around industrial and mining areas of Damodar River Basin (Eastern India) using GIS based Modified DRASTIC Model and Global Climate Model | Department of Water Resources, River Development and Ganga Rejuvenation, Ministry of Jal Shakti, New Delhi | 78.80 | 20.12.2024 | 19.12.2027 | Prof. Anshumali |
| Department of Fuel, Minerals & Metallurgical Engineering | | | | | | |

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| 36 | Design and development of High Entropy shape memory alloys for actuators application in the defence sector | DRDO, New Delhi | 29.62 | 05.07.2024 | 04.07.2026 | Prof. Rahul M R |
| 37 | Austenite stabilization in Mn-Si-Al based Q&P steels through chemistry and partitioning schedule Optimization | Tata Steel Limited, Jamshedpur | 35.40 | 29.07.2024 | 28.07.2027 | Prof. Madhumanti Bhattacharyya |
| 38 | Development of single-phase BCC refractory high entropy alloys for high temperature applications using machine learning (ML) and experimental approaches | DRDO (AR&DB), New Delhi | 0.00 | 11.07.2024 | 10.07.2027 | Prof. Rahul M R |
| 39 | Design and Development of Abrasion Resistant Alloys for Sustainable Mining Operations | Ministry of Mines, New Delhi | 26.04 | 31.07.2024 | 30.07.2026 | Prof. Avanish Kumar |
| 40 | Development and Standardization of Biochar and By-products for Application in the Indian Iron & Steel Industry | Sentra.World Technologies Private Limited, Bangalore | 611.69 | 17.12.2024 | 16.12.2027 | Prof. Shalini Gautam |
| 41 | Synthesis of gas atomized high mn-high cr steel powder for cold spraycladding application in reclamation of slurry handling systems | CSIR, New Delhi | 13.00 | 16.09.2024 | 15.09.2027 | Prof. Madhumanti Bhattacharyya |
| 42 | Microwave integration in urban mining processes for sustainable recovery of critical elements | Ministry of Mines, New Delhi | 40.75 | 21.03.2024 | 20.03.2026 | Prof. Aarti Kumari |
| 43 | Development of low cost hydrometallurgical process for beneficiation and extraction of Indium values from Sphalerite ores | Ministry of Mines, New Delhi | 35.30 | 21.03.2024 | 20.03.2026 | Prof. Gaurav Jha |
| 44 | Development of an Advanced Twin Roll Casting (TRC) System for Minimizing Segregation in Aluminum & Magnesium Alloys: Advancing Sustainable Recycling in the Circular Economy | TEXMiN (Technology Innovation in Exploration & Mining Foundation), Institute Innovation Hub, Dhanbad | 49.30 | 24.03.2025 | 23.06.2026 | Prof. Kasturi Sala |
| Department of Humanities & Social Sciences | | | | | | |
| Sl. 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 |
| 45 | Interface of Science, Society and Politics in the waste management of Darjeeling Himalayas | Jaya Prakash Narayan National Centre of Excellence in the Humanities, IIT Indore | 4.50 | 05.07.2024 | 04.07.2026 | Prof. Sanjay Tamang |
| 46 | From Uncertainty to Action: Recalibrating Digital Humanities Methods and Tools for Non-standard British Colonial South India Data | Jaya Prakash Narayan National Centre of Excellence in the Humanities, IIT Indore | 3.50 | 01.08.2024 | 31.07.2026 | Prof. Shanmugapriya T |
| Department of Management Studies & Industrial Engineering | | | | | | |
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| 47 | Market Potential & Purchase intention of Ceramic Tiles: a study among Indian consumers | Crystal Ceramic Industries Limited, Ahmedabad | 6.01 | 16.04.2024 | 15.04.2027 | Prof. Krishnendu Shaw |
| 48 | Factors and Challenges Affecting the Tribal Heritage Entrepreneurship Opportunity in the Tribal Areas of the State of Jharkhand | ICSSR, New Delhi | 10.76 | 15.02.2024 | 14.02.2026 | Prof. Himanshu Gupta |
| 49 | Development of Strategic Interventions through Innovative Techniques to Promote STEM Education among underprivileged students with special emphasis on PAP (Project Affected Person) students in Dhanbad | BCCL, Dhanbad | 10.00 | 20.08.2024 | 19.02.2025 | Prof. Rashmi Singh |
| 50 | Capacity Building of Faculty and Institutions towards Design & Entrepreneurship Development | Ministry of Education, Department of Higher Education, New Delhi | 244.50 | 07.06.2024 | 06.06.2029 | Prof. Shikha Singh |
| 51 | Exploring the drivers for purchasing recycled apparel: a study among Indian consumers' | Seej Fashion Private Limited, Noida | 4.00 | 04.07.2024 | 03.07.2027 | Prof. Krishnendu Shaw |
| 52 | Predictive Analytics: Potential use of Generative AI to optimize the Geothermal energy extraction process | Capgemini Technology Services India Limited | 8.67 | 10.08.2024 | 09.03.2025 | Prof. Shikha Singh |
| 53 | Nurturing Future Leadership Programme (NFLP) under the aegis of Malaviya Mission Teacher Training Programme (MMTTP) | Ministry of Education, Department of Higher Education, New Delhi | 20.00 | 01.05.2024 | 31.07.2024 | Prof. Mohd. Irfan |
| 54 | Technology Intervention in Lac Farming for Empowering the Marginal Women Farmers in the State of Jharkhand | Department of Scientific and Industrial Research, New Delhi | 39.59 | 10.07.2024 | 09.07.2026 | Prof. Shashank Bansal |
| 55 | Developing a Framework for Fintech and Financial Inclusion: A Way towards Viksit Bharat and Women Inclusivity | ICSSR, New Delhi | 21.00 | 10.9.2024 | 09.09.2025 | Prof. Preeti Roy |
| 56 | Intergenerational Mobility: Role of Bid-Rent Curves, Informal Spaces, and Informal Jobs | ICSSR, New Delhi | 21.00 | 10.09.2024 | 09.09.2025 | Prof. Diti Goswami |
| 57 | Implementing PM Surya Ghar: Muft Bijli Yojna in Tribal Area of Jharkhand- Investigating the Drivers and Barriers of Solar Rooftop Adoption | ICSSR, New Delhi | 25.00 | 10.09.2024 | 09.09.2025 | Prof. Mohd. Irfan |
| 58 | Future-Ready Hospitals: Strategic Adoption of Industry 4.0 Technologies in Eastern and North-Eastern India | ICSSR, New Delhi | 96.00 | 10.09.2024 | 09.09.2027 | Prof. Esha Saha |
| 59 | Potential use of Generative AI for Power Quality Management | Capgemini Technology Services India Limited, Bangalore | 8.67 | 01.02.2025 | 31.08.2025 | Prof. Shikha Singh |
| 60 | Understanding the Drivers and Barriers of Adopting Solar Pumps under PM KUSUM Yojana among Marginalized and Tribal Farmers in Jharkhand | ICSSR, New Delhi | 11.00 | 01.01.2025 | 31.12.2025 | Prof. Krishnendu Shaw |
| 61 | Designing and delivering Capacity Building Programme for High Quality Millet Cultivation to empower Tribal Women Entrepreneurs in West Bengal creating digital marketing platform for effective delivery through IIT-ISM Dhanbad under CSR | Coal India Limited, Kolkata | 39.85 | 28.01.2025 | 27.01.2027 | Prof. Niladri Das |

| 62 | Mapping Value/Chain and Identification of Bottlenecks for Handicrafts Products of Jharkhand | Ministry of Textiles, New Delhi | 19.88 | 17.02.2025 | 16.02.2026 | Prof. Mrinalini Pandey |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------|
| Department of Mining Engineering | | | | | | |
| Sl. 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 |
| 63 | Large Language Model for Legal Assistance | IIT Mandi and HCI Foundation,, Mandi | 15.29 | 13.01.2025 | 12.01.2027 | Prof. Siddhartha Agarwal |
| 64 | NeTS Small NSF-DST Modernizing Underground Mining Operations with Millimeter-Wave Imaging and Networking | DST-NSF, United States | 68.85 | 10.01.2025 | 09.01.2028 | Prof. Dheeraj Kumar |
| 65 | Advanced AI-Driven Cyber-Physical Systems (CPS) for Sustainable Water Management and Treatment in Coalbed Methane Operations in India | TEXMiN (Technology Innovation in Exploration & Mining Foundation), Institute Innovation Hub, Dhanbad | 39.46 | 20.03.2025 | 19.03.2027 | Project Leader: Prof. Rajeev Upadhyay, PE Principal Investigator: Prof. Patitapaban Sahu, MNE |
| Department of Mechanical Engineering | | | | | | |
| Sl. 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 |
| 66 | Study on Human-Machine Interaction with respect to gender inclusivity for Adani Natural Resources | Adani Enterprises Ltd., Udaipur, Chhattisgarh | 16.77 | 03.05.2024 | 02.11.2025 | Prof. L.A. Kumaraswamidhas |
| 67 | Development of Energy Efficient Ergonomically Designed (EEED) Chair Lift Man Riding System | CMPDI, Ranchi | 53.95 | 01.07.2024 | 30.06.2026 | Prof. Ajit Kumar |
| 68 | Investigation on The Application of Abrasive Water Jet Machining for Milling Operations Like Pocketing and Slotting on Advanced Aerospace Materials | DRDO (DRDL), Hyderabad | 9.96 | 03.06.2024 | 02.12.2025 | Prof. Amit Rai Dixit |
| 69 | Precision Electrochemical Polishing (EP) of Additively Manufactured Components using Flow-Through Carbon Fiber Brush Electrode | DST, New Delhi | 112.40 | 18.06.2024 | 17.06.2029 | Dr. Abhijeet Sethi |
| 70 | Study of latest technological developments and practices in the life cycle of eye nut with collar for lifting purposes" vide Letter Ref. No. SCMD/R&D Projects dated 15.07.2024 (Project Code - MED 0148) | Bureau of Indian Standards, New Delhi | 4.24 | 25.06.2024 | 25.02.2025 | Prof. Md. Sikandar Azam |
| 71 | Study of latest technological developments and practices in the life cycle of Non-Calibrated round steel link lifting chains and chain slings | Bureau of Indian Standards, New Delhi | 6.05 | 25.06.2024 | 25.02.2025 | Prof. Md. Sikandar Azam |

| 72 | Investigation into the dynamics of the adsorption systems based on waste source-derived indigenously developed adsorbents for carbon capture application | Anusandhan National Research Foundation, New Delhi | 52.52 | 08.10.2024 | 07.10.2027 | Prof. Satyabrata Sahoo |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------|-------------------------------------|-------------------------------|
| 73 | Development of the performance parameters for commercial Potentizer in Homeopathy | Bureau of Indian Standards, New Delhi | 5.19 | 17.02.2025 | 16.08.2025 | Prof. Subrara Kumar Ghosh |
| Department of Mathematics & Computing | | | | | | |
| Sl. 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 |
| 74 | Design and Assessment of Complex Network Models and their Applications to halt Brain Disorder | SERB, New Delhi | 34.45 | 05.06.2024 | 04.06.2027 | Prof. Ranjit Kumar Upadhyay |
| 75 | Lee distance distributions of linear codes over finite chain rings and construction of good codes over finite fields | SERB, New Delhi | 24.03 | 31.05.2024 | 30.05.2027 | Prof. Pramod Kumar Kewat |
| 76 | FIST Mathematical Sciences - Projet | DST, New Delhi | 223.00 | 10.06.2024 | 09.06.2029 | Prof. Subhashis Chatterjee |
| 77 | Precise Trajectory Propagation and Events Prediction for Highly Eccentric Orbits | Indian Space Research Organisation (ISRO), Bengaluru | 33.30 | 13.11.2024 | 12.11.2027 | Prof. Badam Singh Kushvah |
| 78 | AI-Powered Vision Systems for Low-light and Low-visibility Underground Mining Environments | TEMMIN (Technology Innovation in Exploration & Mining Foundation), Institute Innovation Hub, Bhokard | 17.35 | 28.03.2024 | 27.09.2026 | Prof. Sudhakar Kumawat |
| Department of Petroleum Engineering | | | | | | |
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| 78 | Developments Tailors-made Surfactants for application in enhanced oil recovery | Syntron Industries Private Limited, Ahmedabad, Gujrat | 8.32 | 26.04.2024 | 25.04.2026 | Prof. Ajay Mandal |
| 80 | Reservoir Characterization of Raniganj CBM Field Through Pressure Transient Analysis (PTA) | Essar Oil and Gas Exploration and Production Limited, Durgapur, West Bengal | 7.92 | 06.04.2024 | 05.04.2026 | Prof. Rajeev Upadhyay |
| 81 | Calibration of vertical oil storage tanks in India | Bureau of Indian Standards, New Delhi | 3.82 | 18.07.2024 | 17.01.2025 | Prof. Mohammed Hamid Siddique |
| 82 | Hot Nanofluid Injection for Enhanced Oil Recovery: Design and Mechanism Development | Hindustan Oil Exploration Company Limited, Chennai | 13.78 | 28.08.2024 | 27.08.2026 | Prof. Ajay Mandal |
| 83 | Future of Geothermal in India | Project InnerSpace, Inc., Boston, Massachusetts, United States | 10.61 | 16.12.2024 | 15.08.2025 | Prof. Raj Kiran |

| Department of Physics | | | | | | |
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| 84 | Aspects of Black Hole Thermodynamics in Quantum theories of Gravity | CSIR, New Delhi | 26.32 | 21.05.2024 | 20.05.2027 | Prof. Binata Panda |
| 85 | MOF-Driven Mixed Transition Metal Phosphide Impregnated Flexible Carbon Fiber for Solar-Driven Green Hydrogen Production and Renewable Energy Storage Device | DST , New Delhi | 112.40 | 16.05.2024 | 15.05.2029 | Dr. Sk Riyajuddin |
| 86 | Paired Early Career Fellowship in Applied Research (PECFAR) Award | DST Indo-German Science & Technology Centre | 5.18 | 01.08.2024 | 31.07.2025 | Prof. Ritwik Mondal |
| NVCHCCUST | | | | | | |
| Sl. 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 |
| 87 | Development of Green and Sustainable Process for Hydrogen-Rich Syngas Production from Biomass via Gasification | Hindustan Petroleum Corporation Limited, Green R&D Centre, Bangalore | 30.53 | 03.12.2024 | 02.06.2026 | Prof. Ejaz Ahmad |