

## Department-wise Sponsored Projects Undertaken Through IRD Unit During FY 2021-22

(Data as on 01-4-2022)

S. No.	Project No.	Title	Sponsoring Agency	Sanctioned Funds (Rs. Lacs)	Start Date	Scheduled Completion Date	PI/Department	Project Department
<b>Dept. of Applied Mechanics</b>								
1.	RP04191G	Wearable soft robotics for Upper Limb Muscle Power Augmentation with BMI interface	DRDO, Ministry of Defence	919.22	17-12-2021	16-12-2025	Sitikantha Roy Dept. of Applied Mechanics	Yardi School of Artificial Intelligence
2.	RP04223G	Design and development of lower-limb exosuit with wearable sensors for real-time estimation of joint torque from physiological signals	I-Hub Foundation for Cobotics (IHFC)	129.80	22-12-2021	21-12-2024	Sitikantha Roy Dept. of Applied Mechanics	Yardi School of Artificial Intelligence

3.	RP04280 G	Robust Baseline-Free Damage Localization in Metallic and Composite Structures using Lamb Waves	Science and Engineering Research Board (SERB)	66.69	15-03-2022	14-03-2025	Santosh Kapuria Dept. of Applied Mechanics	Dept. of Applied Mechanics
4.	MI02338N C	Development of Hybrid RANS-LES Techniques for CFD of Horizontal Axis Wind Turbines (Sub Project under RP03421)	Renew Power Ventures Pvt. Ltd.	34.68	01-04-2021	31-03-2023	Amitabh Bhattacharya Dept. of Applied Mechanics	Dept. of Applied Mechanics
5.	RP04097 G	Development of a hybrid two-way coupled RANS-LES model for numerical simulation of turbulent flows	Science and Engineering Research Board (SERB)	27.98	25-03-2021	24-03-2024	Amitabh Bhattacharya Dept. of Applied Mechanics	Dept. of Applied Mechanics
6.	RP04157 G	Characterization and Modeling of Multilayer steel-composite Material for Impact Applications ( Women scientist project awarded to Dr. Sangeeta Khare)	Department of Science and Technology (DST)	26.78	02-09-2021	01-09-2024	Puneet Mahajan Dept. of Applied Mechanics	Dept. of Applied Mechanics

7.	RP04231 G	Machine Learning Based Framework for Virtual Goal-driven Design of Lattice Materials	Science and Engineering Research Board (SERB)	23.25	21-01-2022	20-01-2024	Souvik Chakraborty Dept. of Applied Mechanics	Dept. of Applied Mechanics
8.	RP04188 G	Micro-resolved finite element modeling and simulation of nonwovens (Indo-German Joint project)	International Multilateral Regional Cooperation Division, DST	12.16	24-09-2021	23-09-2023	Ajeet Kumar Dept. of Applied Mechanics	Dept. of Applied Mechanics
9.	RP04134 GC	Analysis of variable stiffness composite honeycomb sandwich structures with embedded delamination (Sub project Under MI02364)	Indian Space Research Organisation	7.27	14-06-2021	13-12-2023	S Pradyumna Dept. of Applied Mechanics	Dept. of Applied Mechanics

**Dept. of Biochemical Engineering & Biotechnology**

10.	RP04133 G	Torrefaction based technology for the recovery of bio-coal, furfural and acetic acid from agriculture wastes	Department of Science and Technology (DST)	193.65	05-07-2021	05-07-2024	Shaikh Ziauddin Ahammad Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
11.	RP04257 G	Engineering rhizosphere microbiota for enhanced resistance to plant disease and human pathogens through compost amendments	IFCPAR (CEFIPRA), India Habitat Centre	80.78	15-04-2022	14-04-2025	Shilpi Sharma Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
12.	RP04242 G	APP-DIP: Development of AI based prognostic platform for an early detection of infections in immune compromised patients	Department of Biotechnology, Ministry of Sc.& Tech	58.58	03-01-2022	02-01-2025	Ishaan Gupta Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology

13.	RP04264 G	Development of systematic methods for overcoming catabolite repression in Escherichia coli	Science and Engineering Research Board (SERB)	50.18	23-02-2022	22-02-2025	Atul Narang Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
14.	RP04106 G	microRNA nanotherapeutics for glioblastoma	Science and Engineering Research Board (SERB)	48.15	25-03-2021	24-03-2024	Ritu Kulshrestha Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
15.	RP04185 G	Deciphering the role of microRNA-191 in regulation of chemoresistance and stemness in breast cancer	Department of Biotechnology, Ministry of Sc.& Tech	39.34	22-09-2021	21-09-2024	Ritu Kulshrestha Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology

16.	RP04204G	Overcoming the problem of high oxygen demand by using formate instead of methanol to induce the AOX1 promoter of Komagataella phaffii (Pichia pastoris)	Department of Biotechnology, Ministry of Sc.& Tech	35.78	15-11-2021	14-05-2023	Atul Narang Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
17.	MI02501G	Elucidation of mechanism of bacterial adherence on fabrics to limit the spread of nosocomial infections (NPDFship project of Dr. Shweta Dixit)	Science and Engineering Research Board (SERB)	22.37	02-03-2022	01-03-2024	Shilpi Sharma Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
18.	MI02444G	Enhanced production of Piperine using elicitation by endophytes (TARE project of Dr. Sushma Mishra)	Science and Engineering Research Board (SERB)	9.00	13-12-2021	12-12-2024	Shilpi Sharma Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology

19.	RP04251 G	Elucidating the role of circular RNA circLIFR in the pathogenesis of small cell lung cancer	Science and Engineering Research Board (SERB)	1.65	21-01-2022	20-01-2025	Ishaan Gupta Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
<b>Dept. of Chemical Engineering</b>								
20.	MI02424G	Diverting plastics from landfill: Catalytic valorization of polyester waste into sustainable monomers and high-value chemicals (Ramalingaswami Fellowship awarded to Dr. Ashish Bohre)	Department of Biotechnology, Ministry of Sc.& Tech	113.60	09-08-2021	08-08-2026	Kamal Kishore Pant Dept. of Chemical Engineering	Dept. of Chemical Engineering

21.	RP04148 G	Translational Research Consortium for Establishing Platform Technologies to Support Prophylactic and Therapeutic Strategies for Dengue : Discovery to Proof-of-Concept	Biotechnology Industry Research Assistance Council (BIRAC)	81.93	24-05-2021	23-05-2023	Anurag Singh Rathore Dept. of Chemical Engineering	Dept. of Chemical Engineering
22.	RP04282 G	Studying the Role of Impedance Spectroscopy to Tackle Antimicrobial Resistance	Science and Engineering Research Board (SERB)	59.93	10-03-2022	09-03-2025	Shalini Gupta Dept. of Chemical Engineering	Dept. of Chemical Engineering
23.	RP04234 G	Development of Peptide Drugs to Target Early-stage Oligomer Formation Implicated in Synucleinopathies	Science and Engineering Research Board (SERB)	46.79	24-01-2022	23-01-2025	Gaurav Goel Dept. of Chemical Engineering	Dept. of Chemical Engineering



24.	RP04112 G	Investigating Uncharted 2D Catalytic Materials for Lignocellulosic Biomass Transformation into High-Value Platform Chemicals and Fuel	Science and Engineering Research Board (SERB)	46.24	26-03-2021	25-03-2024	Kamal Kishore Pant Dept. of Chemical Engineering	Dept. of Chemical Engineering
25.	RP04212 G	Modulating Zeolitic Precursors to Selectively Tune Physicochemical Properties of Small-Pore, SSZ-13 and AEI, zeolites	Science and Engineering Research Board (SERB)	32.93	23-12-2021	22-12-2023	Manjesh Kumar Dept. of Chemical Engineering	Dept. of Chemical Engineering
26.	RP04122 N	Screening and Identification of Potential Therapeutic Molecules against COVID-19	Northern Benevolent Fund India	30.00	01-08-2021	31-07-2022	Anurag Singh Rathore Dept. of Chemical Engineering	Dept. of Chemical Engineering

27.	RP04107 G	Study of Segregation of Non-spherical Particles using Discrete Element Method and Radioactive Particle Tracking in a Vibrating Packed Bed	Science and Engineering Research Board (SERB)	25.62	30-03-2021	29-03-2024	Shantanu Roy Dept. of Chemical Engineering	Dept. of Chemical Engineering
28.	MI02378G	Optimal and sustainable of operation of thermal power generation systems: A study in the context of Indian scenario (Visit of Prof. Bakshi under VAJRA Scheme)	Science and Engineering Research Board (SERB)	24.27	14-06-2021	13-06-2022	Hariprasad Kodamana Dept. of Chemical Engineering	Dept. of Chemical Engineering

29.	MI02500G	Hydrodeoxygenation of lignin-derived platform chemicals to the value-added products via catalytic transfer hydrogenation by using supported bimetallic Au@Ni and Au@Co core-shell catalysts (NPDFship project of Dr. (Ms.) Preeti Jain)	Science and Engineering Research Board (SERB)	22.37	24-01-2022	23-01-2024	Mohammad Ali Haider Dept. of Chemical Engineering	Dept. of Chemical Engineering
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30.	MI02497G	Removal of heavy metals with simultaneously co-generating H2 and nano-metals carbon hybrids from biomass and metal-contaminated wastewater via supercritical water gasification (NPDFship project of to Dr. Ashutosh Kumar)	Science and Engineering Research Board (SERB)	22.37	03-01-2022	02-01-2024	Kamal Kishore Pant Dept. of Chemical Engineering	Dept. of Chemical Engineering
31.	RP04164 G	Technology Roadmap for Capture and Conversion (CCUS) of CO2 to Value Added Chemicals	Indian National Academy Of Engineering (INAE-SERB)	19.97	11-09-2021	10-09-2024	Kamal Kishore Pant Dept. of Chemical Engineering	Dept. of Chemical Engineering

32.	MI02420G	Developing micropatterned surface for High through put capture of bacterial and mammalian single cell.	Science and Engineering Research Board (SERB)	19.20	08-07-2021	07-07-2023	Shalini Gupta Dept. of Chemical Engineering	Dept. of Chemical Engineering
33.	RP04151G	Embedded system based fault tolerant control and autonomous navigation of an unmanned aerial vehicle (UAV)	NM-ICPS Technology Innovation Hub on Autonomous Navigation and Data Acquisition System, DST	18.20	01-07-2021	30-06-2024	Hariprasad Kodamana Dept. of Chemical Engineering	Dept. of Chemical Engineering
34.	MI02426N C	Carbon Dioxide Capture and Utilization in Metal Recovery (subproject funded from CERCA CoE project MI01757)	Mr. Arun Duggal, Alumnus IIT Delhi	16.80	15-09-2021	14-09-2022	Vikram Singh Dept. of Chemical Engineering	Dept. of Chemical Engineering

35.	MI02499G	Development of Carbon Dioxide Fixation in the Organic Transformations using Solid Based Catalyst (TARE project of Dr. Ravi Tomr)	Science and Engineering Research Board (SERB)	10.05	07-12-2021	06-12-2024	Kamal Kishore Pant Dept. of Chemical Engineering	Dept. of Chemical Engineering
36.	RP04229G	Vanadium Redox Flow Battery for Sustainable Rural Electrification (VRFB-SURE)	Department of Science & Technology	7.99	15-02-2022	14-02-2023	Anil Verma Dept. of Chemical Engineering	Dept. of Chemical Engineering
37.	MI02447N	Project for the Office of Accessible Education (OAE-under Corporate Social Responsibility Policy under Section 135 of Companies Act 2013)	Springer Nature India	7.00	31-03-2021	30-03-2022	Vikram Singh Dept. of Chemical Engineering	Dept. of Chemical Engineering

**Dept. of Chemistry**

38.	MI02485G	Metalloporphyrin Based Electrocatalytic Reduction of Protons and CO <sub>2</sub> (Inspire faculty award project of Dr. Pinky Yadav)	Department of Science & Technology`	112.40	03-11-2021	02-11-2026	S Nagendran Dept. of Chemistry	Dept. of Chemistry
39.	RP04214 G	Exploration of Bifunctional Catalysis for Asymmetric Vinylogous addition reaction and Diels-Alder Reaction	Science and Engineering Research Board (SERB)	77.09	20-12-2021	19-12-2024	Ravi P Singh Dept. of Chemistry	Dept. of Chemistry
40.	RP04206 G	Solvation And Aggregation Within Fluorous Media: Mapping Uncharted Territory	Science and Engineering Research Board (SERB)	63.36	20-12-2021	19-12-2024	Siddharth Pandey Dept. of Chemistry	Dept. of Chemistry
41.	RP04096 G	Strontium titanate for CO <sub>2</sub> utilization of nanostructures: one step closer to a carbon-free environment	International Bilateral Cooperation Division, DST	41.81	16-03-2021	15-03-2024	Pravin Popinand Ingole Dept. of Chemistry	Dept. of Chemistry

42.	RP04208 G	Immobilization of Phosphine on Metal-oxide Nanostructure Enabling Straightforward Product Purification and Phosphine Recycling	Science and Engineering Research Board (SERB)	33.00	22-12-2021	21-12-2023	Biswarup Chakraborty Dept. of Chemistry	Dept. of Chemistry
43.	RP04210 G	Visible light photocatalysis in heterocycle synthesis and functionalization	Science and Engineering Research Board (SERB)	28.58	20-12-2021	19-12-2024	Nidhi Jain Dept. of Chemistry	Dept. of Chemistry
44.	MI02502G	Electron-rich nanoporous polymeric materials as efficient catalysts for CO2 recycling (NPDFship project of Dr. Monika Chaudhury)	Science and Engineering Research Board (SERB)	22.37	21-02-2022	20-02-2024	Biswarup Chakraborty Dept. of Chemistry	Dept. of Chemistry



45.	MI02484G	Structure and Function of Rab2b in the Crowded Cellular Interior: A Single-Molecule and Super-Resolution Microscopy Based Approach (NPDFship project of Dr. Zahoor Ahmad Parray )	Science and Engineering Research Board (SERB)	22.37	01-02-2022	31-01-2024	Pramit Kumar Chowdhury Dept. of Chemistry	Dept. of Chemistry
46.	MI02471G	Development of bio-inspired non-heme manganese complexes for chemical/electrochemical oxygen reduction reaction (SERB NPDFship award to Dr. Afsar Ali under supervision of Prof. Sayantan Paria, Deptt. of Chemistry)	Science and Engineering Research Board (SERB)	22.37	21-12-2021	20-12-2023	Sayantan Paria Dept. of Chemistry	Dept. of Chemistry

47.	MI02465G	2D silicene and germanene materials for sodium and Potassium ion batteries (under SERB NPDFship scheme awarded to Dr. Roshan Nazir under Supervision of Prof. P.P. Ingole, Deptt. of Chemistry)	Science and Engineering Research Board (SERB)	22.37	30-12-2021	29-12-2023	Pravin Popinand Ingole Dept. of Chemistry	Dept. of Chemistry
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48.	MI02438G	Ramanomics: A new Omics discipline using Micro Raman Spectrometry with Bio molecular Component Analysis for molecular profiling of biological structures and diseases progression (Under Vajra Scheme to host Prof. Paras Nath Prasad)	Science and Engineering Research Board (SERB)	13.75	15-12-2021	14-11-2022	Ashok Kumar Ganguli Dept. of Chemistry	Dept. of Chemistry
49.	RP04168G	Towards Aggregation Processes Involving Deep Eutectic Solvents	Council of Scientific & Industrial Research (CSIR)	12.67	01-10-2021	30-09-2024	Siddharth Pandey Dept. of Chemistry	Dept. of Chemistry
50.	MI02425G	Physics and Chemistry of Advanced Materials (PCAM)	Jamia Millia Islamia India	12.39	03-09-2021	02-03-2022	Pramit Kumar Chowdhury Dept. of Chemistry	Dept. of Chemistry

51.	MI02453G	Electrochemical biosensor for detections of cardiac biomarker (troponin-cTnl & cTnT) using chitosan modified mesoporous hollow CNT@NiMn-LDH nanocomposite (NPDF project awarded to Ms. Nivedhini Iswarya)	Science and Engineering Research Board (SERB)	12.13	26-11-2021	25-07-2022	Pravin Popinand Ingole Dept. of Chemistry	Dept. of Chemistry
52.	RP04162 G	Surface-engineered plasmonic nanoprobe for label-free cancer diagnostics and therapy	Council of Scientific & Industrial Research (CSIR)	11.33	04-10-2021	03-10-2024	Soumik Siddhanta Dept. of Chemistry	Dept. of Chemistry

53.	RP04227 G	Theoretical and Molecular Dynamics Studies of Dispersion and Self-assembly of Nanoscale Solvophobic/Solvophilic Solutes and Capillary Evaporation in Ionic Liquids	Council of Scientific & Industrial Research (CSIR)	10.67	01-08-2021	31-03-2022	Hemant Kumar Kashyap Dept. of Chemistry	Dept. of Chemistry
54.	RP04100 G	Photoinduced Two Electron Reductions as a Trigger for Carbanion Generation: Application towards Stereo defined C-C Bond Formation Reactions	Council of Scientific & Industrial Research (CSIR)	10.00	01-04-2021	31-03-2024	Sudipta Raha Roy Dept. of Chemistry	Dept. of Chemistry

55.	RP04130 G	Synthesis of Biologically Relevant Compounds by Asymmetric Hydrogenation of Imines, Ketones and Alkenes by Chiral NHC-Metal Complex	Council of Scientific & Industrial Research (CSIR)	9.64	01-04-2021	31-03-2024	Chinmoy Kumar Hazra Dept. of Chemistry	Dept. of Chemistry
56.	RP04146 G	Generation of Highly Substituted Arenes Utilizing Sufoxonium Ylide Derived Carbenes	Council of Scientific & Industrial Research (CSIR)	9.50	01-04-2022	31-03-2025	Janakiram Vaitla Dept. of Chemistry	Dept. of Chemistry
57.	RP04189 G	Understanding the dynamics and structure-function analysis of natural molecules with integrin (Young Scientist project of Dr. Irshad Ahmad)	Indian Council of Medical Research	9.11	15-11-2021	14-11-2024	Shashank Deep Dept. of Chemistry	Dept. of Chemistry

58.	MI02440G	Development of Two-Dimensional (2D) Nano architectures based Composites/Heterojunctions for photocatalytic hydrogen generation. (TARE project of Dr. Sumant Upadhyay)	Science and Engineering Research Board (SERB)	9.00	06-12-2021	05-12-2024	Sameer Sapra Dept. of Chemistry	Dept. of Chemistry
59.	MI02439G	Fabrication of low oxygen content Carbon nanodots (CDs) for their potential applications as color filters for display applications and as fluorescent security ink for anticounterfeiting applications (TARE project of Dr. S. Shankara Narayanan)	Science and Engineering Research Board (SERB)	9.00	07-12-2021	06-12-2024	Sameer Sapra Dept. of Chemistry	Dept. of Chemistry

60.	RP04174 G	Utilization of main-group compounds for catalytic transformations	Council of Scientific & Industrial Research (CSIR)	8.00	23-08-2021	22-08-2024	Subrata Kundu Dept. of Chemistry	Dept. of Chemistry
61.	RP04173 G	Development of single-site metal-organic framework catalysts for conversion of light hydrocarbons to value-added products	Council of Scientific & Industrial Research (CSIR)	8.00	20-09-2021	19-09-2024	Kuntal Manna Dept. of Chemistry	Dept. of Chemistry
62.	RP04144 G	Gender Advancement for Transforming Institutions - GATI	Department of Science & Technology`	7.99	28-06-2021	27-12-2022	Narayanan D Kurur Dept. of Chemistry	Dept. of Humanities & Social Sciences
<b>Dept. of Civil Engineering</b>								



63.	RP04252 G	Development of suitable design of Bridge Transition system for 25T & 32.5T axle load for freight (up to 100 kmph) and passenger traffic (up to 160 kmph) for Indian Railways	Research Designs & Standards Organization (RDSO) Lucknow, Ministry of Railways	149.76	03-02-2022	02-02-2025	Bappaditya Manna Dept. of Civil Engineering	Dept. of Civil Engineering
64.	RP04152 G	Source Apportionment Study, Emission Inventory and Carrying Capacity Assessment for Alwar City in Rajasthan	Rajasthan State Pollution Control Board	118.00	16-07-2021	15-01-2023	Sri Harsha Kota Dept. of Civil Engineering	Dept. of Civil Engineering
65.	RP04194 G	Effect of Climate Change and air pollution on malaria in India- A machine learning approach	Indian Council of Medical Research	101.03	22-11-2021	21-11-2024	Sri Harsha Kota Dept. of Civil Engineering	Dept. of Civil Engineering

66.	RP04180F	Investigation into the influence of clinker content on the performance of limestone calcined clay cements (LC3)	Lafarge Centre de Recherche France	83.71	01-10-2021	30-09-2025	Shashank Bishnoi Dept. of Civil Engineering	Dept. of Civil Engineering
67.	RP04254 G	Development of Functionally Graded Hybrid Fiber Reinforced Polymer Composites for High Strain Rate and Elevated Temperature Aeronautical Applications	Aeronautics Research & Development Board	78.98	15-02-2022	14-02-2024	Vasant A Matsagar Dept. of Civil Engineering	Dept. of Civil Engineering
68.	RP04119 N	Urban Water Management to address Water Security of NCT Delhi	Northern Benevolent Fund India	69.50	14-06-2021	13-06-2024	Dhanya C T Dept. of Civil Engineering	Dept. of Civil Engineering

69.	RP04093 G	Metamaterial impregnated high-speed railway track: A novel approach towards ultra modulation of vibration	Science and Engineering Research Board (SERB)	61.41	05-04-2021	04-04-2024	Bappaditya Manna Dept. of Civil Engineering	Dept. of Civil Engineering
70.	RP04287 G	Development of Design Parameter and Acceptance Criteria For Use of Ultra High Performance Concrete	Border Road Organization	59.90	25-03-2022	24-03-2024	Sahil Bansal Dept. of Civil Engineering	Dept. of Civil Engineering
71.	RP04114 G	Bayesian Model Updating Approach for Systematic Damage Detection	Aeronautics R & D Board, Directorate of Aeronautic	44.69	29-03-2021	28-03-2024	Sahil Bansal Dept. of Civil Engineering	Dept. of Civil Engineering
72.	MI02422G C	Development of crash database for national highways (subproject funded from NHA CoE project RP03970)	National Highways Authority of India	41.85	01-09-2021	31-08-2023	Geetam Tewari Dept. of Civil Engineering	Transportation Research and Inquiry Prevention Centre (TRIPC)

73.	RP04235 G	Real-Time Source Apportionment and Forecasting for Advance Air Pollution Management in Delhi	Delhi Pollution Control Committee	29.50	24-01-2022	23-04-2023	Sri Harsha Kota Dept. of Civil Engineering	Dept. of Civil Engineering
74.	RP04195F	Understanding synergies and tensions in air quality climate adaptation needs	Natural Environment Research Council, UK Lead Partner : University of Birmingham, UK	28.22	01-10-2021	30-06-2022	Sri Harsha Kota Dept. of Civil Engineering	Dept. of Civil Engineering
75.	MI02397N	Integrating Regional, Urban and Hotspot Scale Air Quality Modelling for Indo Gangetic Plain (Subproject funded from RP03987)	The World Bank India	26.04	19-07-2021	31-03-2022	Sri Harsha Kota Dept. of Civil Engineering	Dept. of Civil Engineering

76.	MI02421G C	Developing a comprehensive repository of national highway infrastructure (subproject funded from NHA CoE project RP03970)	National Highways Authority of India	25.40	01-09-2021	31-08-2023	Geetam Tewari Dept. of Civil Engineering	Transportation Research and Inquiry Prevention Centre (TRIPC)
77.	RP04109 G	Compositional Optimization of Borosilicate Glasses for Nuclear Waste Immobilization	BRNS, Department of Atomic Energy	23.50	10-05-2021	09-05-2024	Anoopkrishnan Naduvath Mana Dept. of Civil Engineering	Dept. of Civil Engineering
78.	RP04198F	Clean air action plans in Indore, India; Jakarta, Indonesia; and Addis Ababa, Ethiopia	World Resources Institute United States	22.48	01-10-2021	30-09-2022	Sri Harsha Kota Dept. of Civil Engineering	Dept. of Civil Engineering

79.	MI02473G	SERB-National Post Doctoral-Fellowship to Dr. Rajan Prasad under the supervision of Prof. Arnab Banerjee, Department of Civil Engineering (Futuristic lightweight meta material impregnated panel wall for enhanced acoustic performance using topology optimization)	Science and Engineering Research Board (SERB)	22.37	13-01-2022	12-01-2024	Arnab Banerjee Dept. of Civil Engineering	Dept. of Civil Engineering
80.	RP04186 G	Estimation of freshwater discharge at river mouth to Ocean through Altimetry and Hydrological modelling techniques (SAMUDRA-TDP)	Space Applications Center, ISRO	15.96	27-10-2021	31-03-2023	Dhanya C T Dept. of Civil Engineering	Dept. of Civil Engineering

81.	RP04124 GC	Indigenous Sensor based Real Time Flood Warning Smart System (Sub Project under MI02364)	Indian Space Research Organisation	15.93	14-06-2021	13-06-2022	Dhanya C T Dept. of Civil Engineering	Dept. of Civil Engineering
82.	RP04123 GC	Designing Specialty Glasses Employing Machine Learning and Meta Heuristic Optimization (Sub Project under MI02364)	Indian Space Research Organisation	11.01	14-06-2021	13-06-2022	Anoopkrishn an Naduvath Mana Dept. of Civil Engineering	Dept. of Civil Engineering
83.	RP04139 GC	Establishing a Coupled Indian Land Data Assimilation System (ILDAS) for identifying hydrologic extremes (Sub project under MI02364)	ISRO	10.91	14-06-2021	13-06-2022	Manabendra Saharia Dept. of Civil Engineering	Dept. of Civil Engineering

84.	MI02342G	Pedestrian Safety and Sustainable Mobility in NCT, Delhi (Sub-Project funded from MI02263)	Office of the Principal Scientific Adviser, Gol	9.30	07-12-2020	06-12-2023	Geetam Tewari Dept. of Civil Engineering	Transportation Research and Inquiry Prevention Centre (TRIPC)
85.	RP04135G	A Unified Land Surface-Subsurface Information System for Water Management of A Tropical Basin	International Bilateral Cooperation Division, DST	7.73	19-03-2021	18-03-2023	Dhanya C T Dept. of Civil Engineering	Dept. of Civil Engineering
86.	RP04117F	Innovative Structural Protection System For Resilient Community Against Multiple Hazards	Coalition for Disaster Resilient Infrastructure United States	7.47	11-05-2021	10-05-2022	Vasant A Matsagar Dept. of Civil Engineering	Dept. of Civil Engineering



87.	MI02441G	Indo-UK Workshop on Urbanization and Resilience against Natural and Man-Made Disaster - Developing a Roadmap to Build Resilient Cities in India (through online mode)	International Bilateral Cooperation Division, DST	5.82	30-11-2021	30-03-2022	Vasant A Matsagar Dept. of Civil Engineering	Dept. of Civil Engineering
<b>Dept. of Computer Science &amp; Engineering</b>								
88.	RP04163 G	Development of a Cognitive Model for an Intelligent Robotic Teammate	DRDO, Ministry of Defence	419.65	07-09-2021	06-09-2024	Rohan Paul Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
89.	RP04226 G	Maintaining the Indigenous 5G Test Bed	Department of Telecommunications India	235.14	01-01-2022	31-12-2024	Huzur Saran Dept. of Computer Science & Engineering	Bharti School of Telecommunication Technology & Management

90.	RP04268 G	OCRs and Applications in Indian Languages	Ministry of Electronics and Information Technology	186.44	02-03-2022	01-03-2025	Chetan Arora Dept. of Computer Science & Engineering	Yardi School of Artificial Intelligence
91.	RP04278 G	Development of a contextually-adaptive travel aid for the visually challenged enabling route navigation, safe mobility and destination identification	Department of Science & Technology`	50.40	15-03-2022	14-03-2024	Rohan Paul Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
92.	RP04205 G	GAIT recognition system on ego-centric cameras and surveillance cameras	DRDO, Ministry of Defence	47.29	16-11-2021	15-05-2023	Chetan Arora Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
93.	MI02417N C	Sahay: An AI-based Legal Assistant for Common People (sub project funded from Daksh CoE project RP03986)	Daksh Society	28.23	20-08-2021	19-08-2023	Abhijnan Chakraborty Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering

94.	RP04178F	Design and Exploration of Hybrid Systems for ML, Analytics, and Simulation-based Applications	Semiconductor Research Corporation United States	26.84	01-09-2021	31-08-2024	Smruti Ranjan Sarangi Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
95.	RP04141F	Studying End-End Modeling of Symbolic Components in Neural Architectures for Mixed-Mode Tasks	Google Asia Pacific Pvt. Ltd Singapore	22.13	30-06-2021	29-06-2026	Mausam Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
96.	RP04154G	NeuroOpt4Dev: AI/ML applications on Heterogeneous Hardware Systems - Performance, Security Analysis and Optimizations in a Developing Region Context	Science and Engineering Research Board (SERB)	18.56	29-07-2021	28-07-2024	Rijurekha Sen Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering

97.	RP04111F	Ensemble-based Hardware Predictors for Computer Vision Applications (Qualcomm Faculty Award 2021 Money )	Qualcomm, USA United States	11.08	20-05-2021	19-05-2026	Smruti Ranjan Sarangi Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
98.	RP04179F	Building AI-based Market Intelligence Systems for Farmer Collectives	Google Asia Pacific Pvt. Ltd Singapore	7.40	02-06-2021	01-12-2022	Aaditeshwar Seth Dept. of Computer Science & Engineering	School of Information Technology
99.	MI02509G	Computational Aspects of Fair and Efficient Allocation of Indivisible Resources (Inspire Faculty Award project)	Department of Science & Technology`	7.00	28-01-2022	27-01-2027	Rohit Vaish Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
100.	RP04201 G	Artificial Intelligence based Decision Support System for Diagnosing Ventilator Associated Pneumonia	Indian Council of Medical Research	6.20	15-12-2021	14-12-2024	Kolin Paul Dept. of Computer Science & Engineering	School of Information Technology

101.	RP04213F	Google explore CSR award	Google Asia Pacific Pvt. Ltd Singapore	4.44	16-11-2021	15-11-2022	Naveen Garg Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
<b>Dept. of Design</b>								
102.	RP04267 G	ICMR - National Centre for Assistive Health Technology	Indian Council of Medical Research	878.57	01-03-2022	28-02-2027	P V Madhusudhan Rao Dept. of Design	School of Information Technology
103.	RP04136F	Study of social emotional competencies during early childhood	Mind and Life Institute United States	14.42	01-07-2021	30-06-2023	Jyoti Kumar Dept. of Design	National Resource Centre for Value Education in Engineering (NRCVEE)
104.	RP04150 G	Inclusive mapping and navigation at KNC	Kamala Nehru College	3.85	01-09-2021	31-08-2022	P V Madhusudhan Rao Dept. of Design	Dept. of Design
<b>Dept. of Electrical Engineering</b>								

105.	RP04156 G	Next Generation Wireless Research and Standardization on 5G and Beyond	Ministry of Electronics and Information Technology	876.85	30-07-2021	29-07-2024	Brejesh Lall Dept. of Electrical Engineering	Bharti School of Telecommunication Technology & Management
106.	RP04140 G	Synthetic video generation for ultra-wide FoV sensor system and identifying targets in the generated sequences	DRDO, Ministry of Defence	190.00	04-06-2021	03-06-2024	Brejesh Lall Dept. of Electrical Engineering	Dept. of Electrical Engineering
107.	MI02435G	SERB National Science Chair Awarded to Prof. Bhim Singh, Deptt. of Elect. Engg.	Science and Engineering Research Board (SERB)	132.00	01-07-2021	30-06-2024	Bhim Singh Dept. of Electrical Engineering	Dept. of Electrical Engineering
108.	RP04196 G	Secure photonics-enhanced communication systems	I-Hub Foundation for Robotics (IHFC)	129.80	01-12-2021	30-11-2024	Amol Choudhary Dept. of Electrical Engineering	Bharti School of Telecommunication Technology & Management

109.	RP04218 G	Self-powered Sensor System for Soft Robotics and Human-Machine Interaction (HMI)	I-Hub Foundation for Cobotics (IHFC)	129.80	03-01-2022	02-01-2025	Dhiman Mallick Dept. of Electrical Engineering	Dept. of Electrical Engineering
110.	RP04215 G	Signal processing and learning for efficient detection, localization and tracking by cognitive radars	I-Hub Foundation for Cobotics (IHFC)	129.80	03-01-2022	02-01-2025	Arpan Chattopadhyay Dept. of Electrical Engineering	Dept. of Electrical Engineering
111.	RP04202 G	Electronic sub-system design for RADARs and Lasers	I-Hub Foundation for Cobotics (IHFC)	129.80	01-01-2022	31-12-2024	Rakesh Kumar Palani Dept. of Electrical Engineering	Dept. of Electrical Engineering
112.	RP04237 G	Distributed Adaptive Coverage Control of Network of Drones - Theory to Practice	I-Hub Foundation for Cobotics (IHFC)	105.03	11-10-2021	10-10-2024	Shubhendu Bhasin Dept. of Electrical Engineering	Dept. of Electrical Engineering

113.	MI02380N C	Capacity Enhancement of a OpenRAN (O-RAN) based 5G Massive MIMO System and its Validation through a Simulation Test Bed (Sub Project funded from MI02334)	Bharti Airtel Limited	85.48	14-06-2021	13-06-2024	Saif K Mohammed Dept. of Electrical Engineering	Bharti School of Telecommunication Technology & Management
114.	RP04245 G	6G Energy-Efficient & Wideband 140 GHz Receiver IC in CMOS	Science and Engineering Research Board (SERB)	67.56	27-01-2022	26-01-2025	Mustafijur Rahman Dept. of Electrical Engineering	Dept. of Electrical Engineering
115.	RP04274 G	Magnetolectric Nanorobot for Targeted treatment	Science and Engineering Research Board (SERB)	57.69	23-02-2022	22-02-2025	Soutik Betal Dept. of Electrical Engineering	Dept. of Electrical Engineering



116.	RP04281 G	Design and development of Measuring Device for measuring and recording hydrological parameters in a Climate Zone Observatory for self-reliance and water security	Department of Science and Technology (DST)	46.83	15-03-2022	14-03-2025	Subrat Kar Dept. of Electrical Engineering	Bharti School of Telecommunication Technology & Management
117.	RP04248 G	Machine-Type Communication using Intelligent NOMA Signaling	Science and Engineering Research Board (SERB)	44.11	09-02-2022	08-02-2025	Shankar Prakriya Dept. of Electrical Engineering	Dept. of Electrical Engineering
118.	RP04142 N	Funding of UQIDAR student from ReNew Power	Renew Power Ventures Pvt. Ltd.	39.41	01-01-2021	31-12-2024	Bijaya Ketan Panigrahi Dept. of Electrical Engineering	Dept. of Electrical Engineering
119.	MI02346G	J.C. Bose Fellowship award to Prof. V. Ramgopal Rao	Science and Engineering Research Board (SERB)	28.50	01-01-2021	30-06-2022	V Ramgopal Rao Dept. of Electrical Engineering	Dept. of Electrical Engineering

120.	RP04207F	CMOS Sub-Terahertz Front End IC Building Blocks for Auto-RADAR and 6G	Semiconductor Research Corporation United States	27.00	01-09-2021	31-08-2024	Mustafijur Rahman Dept. of Electrical Engineering	Dept. of Electrical Engineering
121.	RP04272G	Development of Network Provenance Techniques for Monitoring Wireless Networks	DRDO, Ministry of Defence	26.30	07-03-2022	06-11-2023	Harshan Jagadeesh Dept. of Electrical Engineering	Dept. of Electrical Engineering
122.	RP04253G	Single stage bidirectional current fed converters for high power density EV battery chargers	Science and Engineering Research Board (SERB)	23.98	09-02-2022	08-02-2025	Sumit Kumar Pramanick Dept. of Electrical Engineering	Dept. of Electrical Engineering

123.	RP04132F	Scaling up novel techniques for data augmentation and learning from unbalanced data to develop an AI/ML diagnostic system for Covid based on X Ray images	AMERICAN INDIA FOUNDATION United States	22.10	15-06-2021	14-06-2023	Jayadeva Dept. of Electrical Engineering	Dept. of Electrical Engineering
124.	RP04249G	Cyber-Attack Resilient Distributed Control for Networked Descriptor Systems	Science and Engineering Research Board (SERB)	21.49	28-01-2022	27-01-2025	Subashish Datta Dept. of Electrical Engineering	Dept. of Electrical Engineering
125.	MI02490G	Non- orthogonal Multiple Access for Future Heterogeneous Wireless Networks 9 (NPDF project awarded to Dr. Pragya Swami)	Science and Engineering Research Board (SERB)	19.20	14-02-2022	13-02-2024	Shankar Prakriya Dept. of Electrical Engineering	Dept. of Electrical Engineering

126.	RP04170 G	Green/Sustainable IoT for Smart Environment (Abdul Kalam Technology Innovation National Fellowship)	Indian National Academy Of Engineering (INAE)	19.00	01-10-2021	30-09-2024	Swades Kumar De Dept. of Electrical Engineering	Dept. of Electrical Engineering
127.	RP04127 G	Development of Augmented Reality (AR)-enabled tool for guidance in Cervical Cancer screening by Visual Inspection method in Single Visit Approach	Science and Engineering Research Board (SERB)	10.15	28-01-2021	27-01-2024	Tapan Kumar Gandhi Dept. of Electrical Engineering	Dept. of Electrical Engineering
128.	RP04181 G	Design and Implementation of Orthogonal Time Frequency Space (OTFS) Modulation for Aircraft Communication Systems	Bharat Electronics Ltd.	9.07	21-10-2021	20-10-2022	saif k mohammed Dept. of Electrical Engineering	Dept. of Electrical Engineering

129.	MI02449G	Holding of 2nd Meeting of Subject Expert Committee for Presentation of New Proposal under FIST 2021 Program at Indian Institute of Technology Delhi	Department of Science and Technology (DST)	8.70	21-12-2021	20-06-2022	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering
130.	MI02454G	DST FIST Meeting in Physical Sciences	Department of Science and Technology (DST)	7.30	15-12-2021	14-06-2022	Madhusudan Singh Dept. of Electrical Engineering	Dept. of Electrical Engineering
131.	RP04265 G	Disturbance Decoupling in Multi-agent Systems	Science and Engineering Research Board (SERB)	6.60	24-02-2022	23-02-2025	Deepak Umakant Patil Dept. of Electrical Engineering	Dept. of Electrical Engineering
132.	RP04228 G	Design and development of earmuff with active noise cancellation and communication for Gaganyan	DRDO, Ministry of Defence	4.80	04-01-2022	03-05-2022	Shouribrata Chatterjee Dept. of Electrical Engineering	Dept. of Electrical Engineering

133.	MI02451G	2nd National scientific advisory committee meeting to review the progress of projects supported under smart grid	Department of Science and Technology (DST)	1.15	20-12-2021	19-06-2022	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering
134.	MI02503G	Design and Analysis of Flexible Antennas for Healthcare Monitoring and Rehabilitation (SRAsip project of to Dr. Richa Bhardwaj)	Council of Scientific & Industrial Research (CSIR)	0.40	01-11-2021	31-10-2024	Anuj Dhawan Dept. of Electrical Engineering	Dept. of Electrical Engineering
<b>Dept. of Energy Science and Engineering</b>								
135.	RP04161G	Fabrication of 20% efficient doping free carrier-selective contact silicon heterojunction solar cells	Department of Science & Technology	68.58	01-09-2021	31-08-2024	Vamsi Krishna Komarala Dept. of Energy Science and Engineering	Dept. of Energy Science and Engineering

136.	RP04225 G	Waste management using plasma pyrolysis plant at Sudhara Technology Park, New Jafrabad, Delhi	Invest India	50.00	10-01-2022	09-01-2025	Satyananda Kar Dept. of Energy Science and Engineering	Dept. of Energy Science and Engineering
137.	RP04137 G	Sustainable Energy system for Achieving Novel Carbon neutral Energy communities (SUSTENANCE)	Department of Science and Technology (DST)	46.74	01-07-2021	31-12-2024	Subhendu Dutta Dept. of Energy Science and Engineering	Dept. of Energy Science and Engineering
138.	RP04275 G	Experimental investigations on a hybrid ECR-RF plasma source for applications	Science and Engineering Research Board (SERB)	39.09	08-03-2022	07-03-2025	Ramesh Narayanan Dept. of Energy Science and Engineering	Dept. of Energy Science and Engineering

139.	RP04203 G	Localized Surface-modification of the Electrode Materials Enable Highly Reversible and Stable Room-temperature Sodium-Sulfur Battery	Science and Engineering Research Board (SERB)	30.90	13-12-2021	12-12-2023	Vipin Kumar Dept. of Energy Science and Engineering	Dept. of Energy Science and Engineering
140.	MI02496G	22nd National Power Systems Conference (NPSC 2022) at IIT Delhi	Power System Operation Corporation (POSOCO),	25.20	11-02-2022	10-05-2023	Ashu Verma Dept. of Energy Science and Engineering	Dept. of Energy Science and Engineering
141.	RP04256 G	Sorption Hydrogen Compressor for Vehicular and Power Generation Applications	International Bilateral Cooperation Division, DST	15.55	29-01-2022	28-01-2025	K Ravi Kumar Dept. of Energy Science and Engineering	Dept. of Energy Science and Engineering



142.	RP04288 N	Performance investigations of various biomass combustion devices and recommendations for further improvement	Swami Samarth Electronics Pvt. Ltd.	11.75	01-04-2022	31-03-2023	S K Tyagi Dept. of Energy Science and Engineering	Dept. of Energy Science and Engineering
143.	RP04277 G	Thermal Analysis of Underground Structures in Leh-Ladakh	DIHAR-DRDO	10.00	22-03-2022	21-03-2023	S K Tyagi Dept. of Energy Science and Engineering	Dept. of Energy Science and Engineering
<b>Dept. of Humanities &amp; Social Sciences</b>								
144.	RP04233F	Fixing the Leak: Advancing STEM Innovation and Inclusion in India, One Woman Scientist at a Time	Co-Impact -New Venture Fund United States	375.00	01-02-2022	31-01-2027	Ravinder Kaur Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences

145.	MI02493G	Quantificational Ambiguity in Flexible Word Order Languages - Interaction with Lexical Variation in Determiners and Sentence Prosody (NPDF project awarded to Dr. Ishani Guha)	Department of Science & Technology`	22.00	05-01-2022	04-01-2024	Paroma Sanyal Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
146.	RP04102 G	Security Work, Unionisation and Everyday violence: Works and Lives of Security Guards in Mumbai and Delhi	Indian Council of Social Science Research	11.18	20-02-2020	19-02-2022	Mahuya Bandyopadhyay Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
<b>Dept. of Management Studies</b>								
147.	RP04103F	Adaptive Credit Policy - Application of Reinforcement learning in Order and Credit Management	BASF SE Germany	53.04	01-06-2021	31-05-2023	Arpan Kumar Kar Dept. of Management Studies	Dept. of Management Studies

148.	MI02391N C	Cheque bouncing study with Indian Court System (sub project funded from DAKSH COE Main project RP03986)	Daksh Society	13.20	25-05-2021	25-03-2022	Dr Jitendra Madaan Dept. of Management Studies	Dept. of Management Studies
<b>Dept. of Material Science &amp; Engineering</b>								
149.	RP04175 G	Advanced Characterization of Structural and Functional Materials ( FIST Project)	Department of Science & Technology`	112.00	03-09-2021	02-09-2026	Bhabani Kumar Satapathy Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
150.	RP04166 G	High performance non-halogenated adhesive formulation for outermost aluminized glass fabric layer in fire protective clothing	Armaments Research Board, Defence Research and Development Organisation	44.77	01-11-2021	31-10-2024	Leena Nebhani Dept. of Material Science & Engineering	Dept. of Material Science & Engineering

151.	RP04270 G	Development of ultra-fine-grained thin sheets of beta Ti alloys through CGP and cryo-rolling processes	Aeronautics Research & Development Board	37.40	18-02-2022	17-02-2025	Suresh Neelakantan Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
152.	RP04199 G	Elucidating the influence of nanoparticles on protein fibrillation in crowded environment using molecular simulations	Science and Engineering Research Board (SERB)	33.00	10-12-2021	09-12-2023	Divya Nayar Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
153.	RP04115 G	Diffusion and oxidation kinetics of Ta-modified beta titanium aluminides for aerospace applications	Science and Engineering Research Board (SERB)	32.17	26-12-2020	25-12-2022	Sangeeta Santra Dept. of Material Science & Engineering	Dept. of Material Science & Engineering

154.	RP04211 G	Reliability in Beyond-Moore Layered Two-Dimensional Transistors	Science and Engineering Research Board (SERB)	31.66	27-12-2021	26-12-2023	Krishna B Balasubramanian Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
155.	RP04128 G	Deposition and Fabrication of Vanadium Oxide (VOx) based thin film and suspended device for microbolometer application	Solid State Physics Laboratory, DRDO, Min. of Defence	24.33	01-09-2021	31-10-2023	Ankur Goswami Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
156.	RP04153 G	Corrosion and wear resistant advanced coatings based on high entropy alloys for mining equipments	Ministry of Mines	24.00	10-08-2021	09-08-2023	Jayant Jain Dept. of Material Science & Engineering	Dept. of Material Science & Engineering

157.	MI02498G	Graphene quantum dots - plasmonic nanoparticle composites for optical and thermoelectric application (NPDFship project of Dr. (Ms.) Neeraj )	Science and Engineering Research Board (SERB)	22.37	23-02-2022	22-02-2024	Nirat Ray Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
158.	MI02486G	Designing of Novel Multifunctional Polymeric Materials with Liquid Metal Inclusions for Flexible Electronics Applications (NPDFship project of Dr. Dhiraj Kumar Rana)	Science and Engineering Research Board (SERB)	22.37	07-02-2022	06-02-2024	Shib Shankar Banerjee Dept. of Material Science & Engineering	Dept. of Material Science & Engineering

159.	RP04158 G	Computational Strategies for Design and Optimization of Novel Thermoelectric Materials	Solid State Physics Laboratory, DRDO	10.93	11-08-2021	10-11-2022	Nirat Ray Dept. of Material Science & Engineering	Dept. of Material Science & Engineering
<b>Dept. of Mathematics</b>								
160.	RP04094 G	FIST Project awarded to Department of Mathematics	Department of Science and Technology (DST)	54.50	16-03-2021	15-03-2026	Konijeti Sreenadh Dept. of Mathematics	Dept. of Mathematics
161.	RP04169 G	Numerical method based on $M_{\ddot{u}}^{\text{ntz}}$ -Legendre polynomial for the numerical solution of fractional differential equations and parameter estimation in $M_{\ddot{u}}^{\text{ntz}}$ -Legendre polynomial	Science and Engineering Research Board (SERB)	38.10	24-09-2021	23-09-2024	Mani Mehra Dept. of Mathematics	Dept. of Mathematics

162.	RP04266 G	Development, Analysis and Implementation of Parameter Uniform Numerical Methods for Singularly Perturbed Interface Problems in Partial Differential Equations	Science and Engineering Research Board (SERB)	29.78	24-02-2022	23-02-2025	S Chandra Sekhara Rao Dept. of Mathematics	Dept. of Mathematics
163.	MI02446G	High Accuracy Computational Electrodynamics for solving 21st Century Problems (visit of Prof. Dinshaw S. Balsara under VAJRA Scheme)	Science and Engineering Research Board (SERB)	29.75	03-10-2021	02-10-2022	Harish Kumar Dept. of Mathematics	Dept. of Mathematics
164.	MI02358N	Stochastic Analysis for Power Optimization in 5G Wireless Networks (Sub Project funded from MI02334)	Bharti Infratel Limited	24.00	09-05-2021	08-05-2024	S Dharmaraja Dept. of Mathematics	Bharti School of Telecommunication Technology & Management



165.	RP04262 G	Combinatorial properties and characterizations of normal pseudomanifolds	Science and Engineering Research Board (SERB)	17.64	24-02-2022	23-02-2025	Biplab Basak Dept. of Mathematics	Dept. of Mathematics
166.	RP04216 G	Parameterized Complexity and Kernelization of Graph Connectivity Problems	Science and Engineering Research Board (SERB)	14.66	29-12-2021	28-12-2023	Ashutosh Rai Dept. of Mathematics	Dept. of Mathematics
167.	RP04261 G	Covering and Dominating Geometric Objects	Science and Engineering Research Board (SERB)	6.60	21-02-2022	20-02-2025	Minati De Dept. of Mathematics	Dept. of Mathematics
<b>Dept. of Mechanical Engineering</b>								
168.	RP04165 G	Demonstration and Deployment of Community Level Integrated Autonomous Solar Energy System for Space Heating, Drying and Cooking Purposes in Ladakh Region (Sunshine Ladakh)	Department of Science & Technology	730.25	02-09-2021	01-09-2024	B Premachandran Dept. of Mechanical Engineering	Dept. of Mechanical Engineering

169.	RP04283 G	Combating environmental pollution through internationalisation of education in Germany and India (COMPOLL) [under Indo-German Partnership in Higher Education (IGP) programme]	University Grants Commission, MHRD	312.00	15-07-2020	14-07-2024	Ashish Kamalakar Darpe Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
170.	RP04258 N	Developing an integrated traffic and commercial vehicle simulator for driver behaviour and safety research in India	Volvo Group India Pvt. Ltd	70.80	24-02-2022	23-05-2023	Anoop Chawla Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
171.	MI02351N C	Case Flow Management in India via Simulation Modelling ( Sub project under DAKSH CoE RP03986)	Daksh Society	43.76	10-05-2021	09-08-2023	Shaurya Shriyam Dept. of Mechanical Engineering	Dept. of Mechanical Engineering

172.	RP04197 G	Design and Development of Snowaxe, Boot Crampon and Showel	Department of Indigenisation Indian Army	42.72	07-12-2021	06-12-2022	Naresh Bhatnagar Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
173.	RP04172 G	Renewable Energy Empowering European and Indian communities (RE-EMPOWERED).	Department of Science & Technology	32.98	30-06-2021	29-12-2024	P M V Subbarao Dept. of Mechanical Engineering	Centre for Rural Development Technology (CRDT)
174.	RP04183 G	An experimental exploration of efficient kinematics for next generation flapping wing unmanned aerial vehicles (FWUAVs)	Aeronautics Research & Development Board	31.68	06-10-2021	05-10-2023	Amit Gupta Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
175.	MI02448N C	Aerial Inspection and Data Collection by Drones (Sub-project under Nokia CoE Main Project # RP03977)	NOKIA Solutions and Networks India Pvt. Ltd.	30.36	01-01-2022	31-05-2022	Subir Kumar Saha Dept. of Mechanical Engineering	Dept. of Mechanical Engineering

176.	RP04108 G	Interventions to Improve Performance of Combustion Systems in MSMEs	Petroleum Conservation Research Association	24.94	21-05-2021	20-05-2023	Krishna Kant Agrawal Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
177.	MI02508G	Self-adhesive immunomodulatory injectable cardiac patch for the treatment of myocardial infarction (Inspire Faculty award project of Dr. Paevaiz Ahmad Shiekh)	Department of Science and Technology (DST)	22.00	28-12-2021	27-12-2026	Naresh Bhatnagar Dept. of Mechanical Engineering	Centre for Biomedical Engineering
178.	MI02354N C	Capacity degradation of commercial lithium-ion cells using accelerated testing and at room temperature (subproject under RP03421)	Renew Power Ventures Pvt. Ltd.	21.90	19-05-2021	18-05-2022	Amit Gupta Dept. of Mechanical Engineering	Dept. of Mechanical Engineering

179.	RP04120 GC	Development of a numerical simulator for microfabricated electro-spray thrusters (Sub-project under COE Main Project No. MI02364)	Indian Space Research Organization, India	16.00	14-06-2021	13-06-2022	Supreet Singh Bahga Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
<b>Dept. of Physics</b>								
180.	RP04121 G	Portable and High Precision Compact Gravimeter for Field Applications	Office of the Principal Scientific Adviser, Gol	970.93	08-06-2021	07-06-2026	Bodhaditya Santra Dept. of Physics	Dept. of Physics
181.	RP04193 G	Design and Development of photonic technologies for free space quantum key distribution	DRDO Ministry Of Defence	740.90	18-11-2021	17-11-2024	Bhaskar Kanseri Dept. of Physics	Dept. of Physics
182.	RP04176 G	Indian Nano-electronics Users Program - Idea to Innovation (INUP-i2i)	Ministry of Electronics and Information Technology	700.00	22-09-2021	21-09-2024	Neeraj Khare Dept. of Physics	Nanoscale Research Facility (NRF)

183.	RP04222 G	Development of high-sensitive magnetic field sensor for proximity detection	I-Hub Foundation for Cobotics (IHFC)	129.80	05-01-2022	04-01-2025	Pintu Das Dept. of Physics	Dept. of Physics
184.	RP04149F	Quantum materials: growth of single crystals and physical property characterization	Max Planck Partner Groups Germany	87.00	01-07-2021	30-06-2026	Kaustuv Manna Dept. of Physics	Dept. of Physics
185.	RP04192F	Investigation of charge carrier dynamics and fluctuations of skyrmions in ultrathin film multilayers with interfacial Dzyaloshinskii-Moriya interaction	Indo-French Centre for the Promotion of Advanced Research	85.47	25-11-2021	24-11-2024	Pintu Das Dept. of Physics	Dept. of Physics

186.	RP04147 G	Development of Shape Memory Oxide thin-films for Aerospace applications: Understanding the Phase-Switching behavior, related defect formation, and shape recovery process.	Aeronautics Research & Development Board	84.17	05-08-2021	04-02-2024	Ratanamala Chatterjee Dept. of Physics	Dept. of Physics
187.	RP04285 G	Understanding the charge dynamic behavior in topological phases of chiral magnetic systems	Science and Engineering Research Board (SERB)	79.99	22-03-2022	21-03-2025	Pintu Das Dept. of Physics	Dept. of Physics
188.	RP04263 G	Developing a novel quantum memory using electromagnetically induced transparency in an ensemble of cold atoms	Science and Engineering Research Board (SERB)	60.04	23-02-2022	22-02-2025	Bodhaditya Santra Dept. of Physics	Dept. of Physics

189.	RP04273 G	High efficiency trapping, imaging and transport of single atoms using optical tweezers	Science and Engineering Research Board (SERB)	46.59	03-03-2022	02-03-2025	Bodhaditya Santra Dept. of Physics	Dept. of Physics
190.	RP04276 G	Development of Carbon Nanostructures and Related Hybrid Based lithographically fabricated Field emission Electron Gun device as X-Ray Generators for applications in medical imaging and microradiotherapy	Department of Science & Technology	26.65	03-01-2022	02-01-2025	Santanu Ghosh Dept. of Physics	Dept. of Physics



191.	RP04143 G	Single crystal growth and physical property characterizations of quantum materials to realize new fermionic excitation and beyond	Department of Atomic Energy (DAE)	24.00	18-06-2021	17-06-2024	Kaustuv Manna Dept. of Physics	Dept. of Physics
192.	MI02495G	Exploring the topological singularity based photonic applications towards all optical circulation and ultrasensitive label free refractive index sensing (NPDFship project of Dr. Arnab Laha )	Science and Engineering Research Board (SERB)	22.37	15-02-2022	14-02-2024	R K Varshney Dept. of Physics	Dept. of Physics

193.	MI02492G	Development of prototype spintronic memory devices based on quantum material (under the scheme Chanakya Post Doctoral Fellowship - to hire a PDF under the mentorship of Prof. Pranaba Kishor Muduli )	I-HUB Quantum Technology Foundation IISER	12.60	02-02-2022	01-02-2024	Pranaba Kishor Muduli Dept. of Physics	Dept. of Physics
194.	MI02483G	Investigation of the structural and magnetic properties of ternary Heusler alloys Co <sub>2</sub> V <sub>1-x</sub> Fe <sub>x</sub> Al for spintronic and magnetic refrigeration applications (TARE award project of Dr. Narendra Jakhar)	Science and Engineering Research Board (SERB)	10.05	03-12-2021	02-12-2024	Rajendra Singh Dhaka Dept. of Physics	Dept. of Physics

195.	RP04138 GC	Classical Trajectory - Monte Carlo Simulations of the Plasma dynamics in electrode-less plasma thruster (sub project under MI02364)	Indian Space Research Organization, India	8.40	14-06-2021	13-09-2022	Vikrant Saxena Dept. of Physics	Dept. of Physics
196.	RP04279 G	Moire bands in Twisted Bilayer Graphene under externally imposed periodic potential	Science and Engineering Research Board (SERB)	6.60	24-02-2022	23-02-2025	Sankalpa Ghosh Dept. of Physics	Dept. of Physics
197.	MI02507F	Voltage Control of Spin-Orbit Torques and Weyl Points in Kagome Ferromagnet/Heavy Metals (IEEE-Magnetics Society Special Grant to Ms. Pankhuri Gupta PhD Student)	IEEE Magnetics Society Special Project United States	2.85	03-03-2022	02-03-2023	Pranaba Kishor Muduli Dept. of Physics	Dept. of Physics

<b>Dept. of Textile &amp; Fibre Engineering</b>								
198.	RP04116 G	High performance composite fibres	Ministry of Textiles(GOI)	2752.00	28-05-2021	27-05-2024	Ashwini K Agrawal Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
199.	RP04129 G	A Technology platform for Design and Manufacturing of Advanced and Multi-functional 3D woven Textile structural composites using High performance and Natural fibres	Ministry of Textiles	2008.80	01-07-2021	30-06-2024	B K Behera Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
200.	RP04187 G	Design and development of an advanced 3D woven honeycomb composite structure based high energy absorbent liner for air crew helmet	Life Science Research Board , DRDO	82.45	04-10-2021	03-10-2024	B K Behera Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering

201.	RP04219 G	Investigation of Supramolecular Approach for Improving Polymer Electrospinnability and Fabrication of Porous Nanofibers	Science and Engineering Research Board (SERB)	46.78	28-12-2021	27-12-2024	Bhanu Nandan Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
202.	RP04224 G	Studies on air ventilation in central Air-conditioning units in post COVID-19 scenario guided by machine learning and artificial intelligence techniques	Department of Scientific and Industrial Research (DSIR)	22.09	17-01-2022	16-01-2023	Amit Rawal Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
203.	MI02350N	CSR funds from Resil Chemicals year 2020-21	RESIL Chemical Pvt. Ltd.	17.13	01-04-2021	31-03-2024	Ashwini K Agrawal Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering

204.	MI02381G	DST Meeting for Organizing Solar Cooking Solutions Design Award Function at IIT Delhi	Department of Science & Technology	9.18	01-06-2021	30-11-2022	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
205.	MI02427G	DST Meeting for Review of Ongoing Projects, Discussion Meetings and Evaluation of New Proposals	Department of Science & Technology	8.31	27-08-2021	26-08-2022	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
<b>Centre for Applied Research in Electronics (CARE)</b>								
206	RP04099 G	Wireless single contact Electrical Power Transmission on conducting surfaces	Department of Defence Research & Development	292.94	30-03-2021	29-03-2024	Ankur Gupta Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
207.	RP04145 G	Development of THz Modulator based on 2D Transition Metal Chalcogenides	Science and Engineering Research Board (SERB)	68.86	12-07-2021	11-07-2024	Samaresh Das Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)

208.	RP04238 G	Exploiting Dimensional Diversity using Vector Sensor in Underwater Acoustic Communication	NAVAL RESEARCH BOARD	49.23	13-01-2022	12-01-2025	Monika Aggarwal Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
209.	RP04239 G	Magneto-ionic devices for high-density and ultralow-power memory	Science and Engineering Research Board (SERB)	32.01	28-01-2022	27-01-2024	Rahul Mishra Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
210.	RP04177 G	Channel modelling & Novel Techniques for Long Range Visible Light Underwater Communication	Science and Engineering Research Board (SERB)	25.50	01-09-2021	31-08-2024	Monika Aggarwal Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)

211.	RP04159 G	Monitoring the Adulteration of Foods with an Emphasis on Dairy Products by Developing low-cost point-of-care EIS based techniques ( Women Scientist project awarded to Dr. Soumita Mukhopadhyay)	Kiran Division Department of Science and Technology	20.15	08-09-2021	07-09-2024	Samaresh Das Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
212.	RP04240 G	Oxygen conserving device for oxygen concentrators and standalone oxygen cylinders	Science and Engineering Research Board (SERB)	15.84	25-01-2022	24-01-2023	Rahul Mishra Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
<b>Centre for Atmospheric Sciences</b>								
213.	RP04131F	SAMOSAS: Sensor-based Air Measurement Observatory for South Asia	Silicon Valley Community Foundation, USA	64.57	01-07-2021	31-12-2022	Sagnik Dey Centre for Atmospheric Sciences	Centre for Atmospheric Sciences



214.	RP04105 G	Does PM2.5 composition matter (in comparison to PM2.5 mass) in health impact assessment for Indian population	Science and Engineering Research Board (SERB)	50.45	18-03-2021	17-03-2024	Sagnik Dey Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
215.	MI02349N C	Seasonal-scale wind forecasting using AI-ML and hybrid methods (Sub Project Under RP03421)	Renew Power Ventures Pvt. Ltd.	35.20	30-04-2021	11-08-2022	Somnath Baidya Roy Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
216.	RP04200F	Anticipating Futures: Forecasting and Climate Preparedness for Co-located Hazards in India (ANTICIPATE)	British Academy United Kingdom	17.42	01-10-2020	30-09-2022	Krishna Mirle Achutarao Centre for Atmospheric Sciences	Centre for Atmospheric Sciences

217.	RP04126 GC	Impact of satellite observations in a coupled system for predicting storm tides and its coastal inundation (Sub Project under MI02364)	Indian Space Research Organization	12.61	14-06-2021	13-06-2024	A D Rao Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
218.	RP04125 GC	Low Pressure Systems (LPSs) and their nonlinear interaction with other scales in atmosphere through the lens of Scale Energetics (Sub Project under MI02364)	Indian Space Research Organization	7.52	14-06-2021	13-12-2023	Sarvesh Kumar Dubey Centre for Atmospheric Sciences	Centre for Atmospheric Sciences

219.	MI02387N C	Prototype of an air sampling device for SARS-CoV-2 detection (sub project awarded to Dr. Sarita Ahlawat under CERCA Main Project MI01757)	Mr. Arun Duggal, Alumnus IIT Delhi	6.90	01-07-2021	31-12-2021	Sagnik Dey Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
220.	MI02344N C	Carbon footprint estimation for academic campuses (Sub project under CERCA Project MI01757)	Centre of Excellence for Research on Clean Air (CERCA), IIT Delhi	1.40	16-04-2021	15-07-2021	Sagnik Dey Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
<b>Centre for Automotive Research and Tribology (CART)</b>								
221.	RP04243 G	Development of multifunctional Multi-principle-element alloys coating on steels using HVOF technique	Science and Engineering Research Board (SERB)	32.05	04-02-2022	03-02-2025	Deepak Kumar Centre for Automotive Research and Tribology (CART)	Centre for Automotive Research and Tribology (CART)

222.	RP04246 G	Battery Management System development based on stack stress dependent State of Health estimation for batteries in EVs	Science and Engineering Research Board (SERB)	25.64	31-12-2021	30-12-2023	Akhil Garg Centre for Automotive Research and Tribology (CART)	Centre for Automotive Research and Tribology (CART)
<b>Centre for Biomedical Engineering</b>								
223.	RP04255 G	ICMR-IIT Delhi National Center for Medical Device Manufacturing and Testing Facility (mPRAGATI)	Indian Council of Medical Research	5000.00	28-01-2022	27-01-2025	Dinesh Kalyanasundaram Centre for Biomedical Engineering	Centre for Biomedical Engineering
224.	RP04098 GC	Centre for Advanced Research and Excellence in Disability and Assistive Technology (CARE-DAT)	Indian Council of Medical Research	75.99	30-03-2021	29-03-2026	Amit Mehndiratta Centre for Biomedical Engineering	Centre for Biomedical Engineering

225.	RP04110 G	A wearable system for quantitative assessment and recovery prediction during gait restoration in Parkinsons and Cerebral Ataxia Patients	Department of Science and Technology (DST)	54.07	31-03-2021	30-03-2023	Deepak Joshi Centre for Biomedical Engineering	Centre for Biomedical Engineering
226.	RP04101 G	To develop low cost Indigenous Magnetic Growth Rod for Early onset Scoliosis patients	Indian Council of Medical Research	51.54	29-03-2021	28-03-2024	Dinesh Kalyanasundaram Centre for Biomedical Engineering	Centre for Biomedical Engineering
227.	RP04241 N	Griha Mitra: Development of a smart, integrated, multi-parameter, at-home health monitoring system	Sperandus Healthcare Private Limited,	49.56	02-02-2022	01-02-2024	Biswarup Mukherjee Centre for Biomedical Engineering	Centre for Biomedical Engineering

228.	RP04236 G	SonoNeuro: A multimodal sonomyography-electromyography based system for biomechatronic control	Science and Engineering Research Board (SERB)	47.56	29-01-2022	28-01-2025	Biswarup Mukherjee Centre for Biomedical Engineering	Centre for Biomedical Engineering
229.	RP04230 G	Combined neurological and functional assessments for the prediction and appreciation of individualized recovery profiles: an international study benchmarking clinical outcomes in acute spinal cord injury	Department of Biotechnology	43.23	26-11-2021	25-11-2025	Deepak Joshi Centre for Biomedical Engineering	Centre for Biomedical Engineering

230.	RP04209 G	Development of Novel Aptamers for CTCs and its use in impedimetric multiplexed microfluidic chip for Early Diagnosis and Prognosis of Metastatic Carcinomas	Science and Engineering Research Board (SERB)	38.50	27-12-2021	26-12-2024	Sandeep Kumar Jha Centre for Biomedical Engineering	Centre for Biomedical Engineering
231.	RP04221 G	Cell membrane derived vesicles: A new generation nanocarriers for combined therapy applications	Science and Engineering Research Board (SERB)	38.10	28-09-2021	27-09-2024	Neetu Singh Centre for Biomedical Engineering	Centre for Biomedical Engineering
232.	RP04155 G	Development of biodegradable polymeric nanoparticles for targeted drug delivery (Women Scientist project awarded to Dr. Ankushi Bansal)	Department of Science & Technology`	32.84	06-07-2021	21-07-2024	Harpal Singh Centre for Biomedical Engineering	Centre for Biomedical Engineering

233.	RP04244 G	Engineering inexpensive nanostructured biomaterials for wound healing application	Science and Engineering Research Board (SERB)	30.78	21-01-2022	20-01-2024	Sachin Kumar B Centre for Biomedical Engineering	Centre for Biomedical Engineering
234.	RP04095 G	Exoskeleton Device for Upper Limb Rehabilitation	Science and Engineering Research Board (SERB)	30.10	30-03-2021	29-03-2023	Amit Mehndiratta Centre for Biomedical Engineering	Centre for Biomedical Engineering
235.	MI02418G	Development of a 3D spheroid platform for monitoring and understanding local micro-environment changes in cancer progression.	Department of Biotechnology, Ministry of Sc.& Tech.	26.00	18-08-2021	17-08-2026	Neetu Singh Centre for Biomedical Engineering	Centre for Biomedical Engineering
236.	RP04113 G	Development of multi-parameter chips for detection of Sepsis in cirrhosis patients	Department of Science & Technology`	23.45	24-03-2021	23-03-2022	Neetu Singh Centre for Biomedical Engineering	Centre for Biomedical Engineering



237.	RP04259 G	Oncologic Response Evaluation in Lymphoma using Multi-Parametric MR Imaging and Artificial Intelligence	Science and Engineering Research Board (SERB)	22.37	25-02-2022	24-02-2025	Amit Mehndiratta Centre for Biomedical Engineering	Centre for Biomedical Engineering
238.	RP04182 N	3D Printed Facial Protection Equipment for Inhibiting COVID-19 Transmission	Dentsply India Pvt. Ltd	7.50	30-09-2021	29-09-2022	Arnab Chanda Centre for Biomedical Engineering	Centre for Biomedical Engineering
<b>Centre for Rural Development &amp; Technology (CRDT)</b>								
239.	RP03525	Unnat Bharat Abhiyan (UBA) (Project started in 2018. Additional funds of Rs. 4853 lacs sanctioned in this year for next phase )	MHRD, India	4853	21-02-2018	31-03-2026	Virendra Kumar Vijay Centre for Rural Development & Technology (CRDT)	Centre for Rural Development & Technology (CRDT)

240.	RP04184 G	Demonstration of a Bamboo processing-waste gasifier system for hydrogen rich syngas to suit thermal and engine application	Department of Science and Technology (DST)	112.80	08-09-2021	07-11-2024	Priyanka Kaushal Centre for Rural Development & Technology (CRDT)	Centre for Rural Development & Technology (CRDT)
241.	RP04269 G	Development of a Rural Bioresources Complex in Tribal Districts of Western Odisha for Primary Processing and Value Addition of Horticultural and Non Timber Forest Produce	Department of Biotechnology, Ministry of Sc.& Tech	111.82	21-02-2022	20-02-2024	Jatindra Kumar Sahu Centre for Rural Development & Technology (CRDT)	Centre for Rural Development & Technology (CRDT)

242.	RP04232 G	Micronutrient Rich, Low Glycemic-Index, Fortified Flour: Development and Impact on Health Status of Population (women scientist project awarded to Dr. Priyanka Prasad )	Department of Science & Technology`	35.64	20-12-2021	19-12-2024	Jatindra Kumar Sahu Centre for Rural Development & Technology (CRDT)	Centre for Rural Development & Technology (CRDT)
<b>Centre for Sensors, Instrumentation and Cyber Physical Systems Engineering</b>								
243.	RP04260 G	Quantification of Microalbuminuria using smartphone-based point-of-care device for early diagnosis of chronic kidney disease	Science and Engineering Research Board (SERB)	47.12	11-02-2022	10-02-2025	Satish Kumar Dubey Centre for Sensors, Instrumentation and Cyber Physical Systems Engineering	Centre for Sensors, Instrumentation and Cyber Physical Systems Engineering
<b>School of Biological Sciences</b>								

244.	RP04286 G	An integrated approach to uncover genetic, molecular, and cellular mechanisms underlying severe neurodevelopmental disorders	Indo-French Centre for the Promotion of Adv. Res	83.34	01-06-2022	31-05-2025	Shilpi Minocha School of Biological Sciences	School of Biological Sciences
245.	RP04250 G	Understanding the mechanism of hemoglobin receptor recycling by Rab GTPases in Leishmania donovani.	Science and Engineering Research Board (SERB)	60.35	09-02-2022	08-02-2025	Amitabha Mukhopadhyay School of Biological Sciences	School of Biological Sciences
246.	RP04284 G	Health Technology Assessment in India (HTAI) resource centre	Ministry of Health & Family Welfare (Gol)	50.00	25-02-2022	24-02-2023	Vivekanandan Perumal School of Biological Sciences	School of Biological Sciences

247.	RP04118 G	Preparation and physical-chemical characterization of self-monitoring and self assembling protein particles for biomedical application	Department of Science & Technology Taiwan	45.16	24-05-2021	23-05-2024	Tapan Kumar Chaudhuri School of Biological Sciences	School of Biological Sciences
248.	RP04171 G	Understanding host membrane dynamics during virus budding using fluorescence and electron microscopy	Science and Engineering Research Board (SERB)	38.10	27-09-2021	26-09-2024	Manidipa Banerjee School of Biological Sciences	School of Biological Sciences
249.	RP04217 G	Understanding molecular and cellular mechanisms underlying brain regeneration: from epigenome to proteome	Science and Engineering Research Board (SERB)	32.70	30-12-2021	29-12-2023	Shilpi Minocha School of Biological Sciences	School of Biological Sciences

250.	RP04247 G	Development of Hemoglobin receptor of Leishmania as diagnostic marker for Visceral Leishmaniasis.	Indian Council of Medical Research	23.28	20-12-2021	19-12-2023	Amitabha Mukhopadhyay School of Biological Sciences	School of Biological Sciences
251.	RP04271 G	Role of protein kinase Calpha in neuronal insulin signalling	Indian Council of Medical Research	22.66	05-01-2022	04-01-2025	Chinmoy Sankar Dey School of Biological Sciences	School of Biological Sciences
<b>School of Public Policy</b>								
252.	RP04190F	The Road Less Travelled: Contextualizing and Measuring Bias in Crowdsourced Street Safety Ratings in India	Google Asia Pacific Pvt. Ltd Singapore	22.55	29-09-2021	28-03-2024	Nandana Sengupta School of Public Policy	School of Public Policy
253.	RP04160 G	Guidance on Preparing Indias Long-Term Strategy for Low-Carbon Development	Ministry of Environment, Forest & Climate Change,	2.40	09-09-2021	08-11-2021	Kaveri K lychettira School of Public Policy	School of Public Policy

<b>Yardi School of Artificial Intelligence</b>								
254.	RP04220 N	Automatic Creation of Domain-specific Knowledge Graphs	Verisk Analytics India Private Limited	23.60	01-01- 2022	31-12- 2026	Mausam Yardi School of Artificial Intelligence	Yardi School of Artificial Intelligence