

Sponsored Research Projects Undertaken During FY 2017-18

| S. No. | Project No. | Project Title | Sponsoring Agency | Sanctioned Funds (Rs. Lacs) | Start Date | Scheduled Completion Date | Principal Investigator & Department | Project Department |
|-----------------------------------|-------------|--|--|-----------------------------|------------|---------------------------|--|----------------------------|
| Dept. of Applied Mechanics | | | | | | | | |
| 1. | RP03431G | Computational Modeling of Ballistic Impact of Bullet Proof Panels for Body Armour (JATC Sub Project # 6 under MI01618) | DRDO, Ministry of Defence India | 401.01 | 01-10-2017 | 30-09-2022 | PUNEET MAHAJAN Dept. of Applied Mechanics | Dept. of Applied Mechanics |
| 2. | RP03433G | Mechanical Behaviour of Light Weight Materials Under Different Rates of Dynamics Loading (JATC sub project no. 8 under MI01618) | DRDO, Ministry of Defence India | 369.26 | 01-10-2017 | 30-09-2022 | VIKRANT TIWARI Dept. of Applied Mechanics | Dept. of Applied Mechanics |
| 3. | RP03434G | Development of Computational Methodology for Analysis of Projectiles Under High g Loading (under JATC sub-project No.09 under MI01618) | DRDO, Ministry of Defence India | 38.00 | 03-10-2017 | 02-10-2020 | BADRI PRASAD PATEL Dept. of Applied Mechanics | Dept. of Applied Mechanics |
| 4. | RP03293G | Effect of Precipitate Characteristics on Deformation Behavior of Mg-9 WT. % Y Alloy | DRDO, Ministry of Defence India | 32.83 | 31-05-2017 | 30-05-2020 | JAYANT JAIN Dept. of Applied Mechanics | Dept. of Applied Mechanics |
| 5. | RP03378G | Two Layer Film Flows Down an Inclined Plane | Science and Engineering Research Board,(DST) India | 20.20 | 23-06-2017 | 22-06-2020 | ARGHYA SAMANTA Dept. of Applied Mechanics | Dept. of Applied Mechanics |
| 6. | RP03450G | Simulation of Drag Reduction by Shear Free Surface | DRDO, Ministry of Defence India | 8.23 | 26-10-2017 | 25-10-2019 | MURALI RAMAN CHOLEMARI Dept. of Applied Mechanics | Dept. of Applied Mechanics |

| Dept. of Biochemical Engineering & Biotechnology | | | | | | | | |
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| 7. | RP03349G | Local Treatment of Urban Sewage Streams for Healthy Reuse (LOTUS)(INDO-DUTCH Joint project) | Department of Biotechnology, Ministry of Sc.& Tech Holland | 1272.98 | 01-04-2017 | 31-03-2020 | T.R.SREEKRISHNAN Dept. of Biochemical Engineering & Biotechnology | Dept. of Biochemical Engineering & Biotechnology |
| 8. | RP03473G | Development of protocols for the production of value added bio-degradable polymers from methane & CO2 | GAIL (India) Limited India | 113.40 | 20-12-2017 | 19-12-2019 | A K Srivastava Dept. of Biochemical Engineering & Biotechnology | Dept. of Biochemical Engineering & Biotechnology |
| 9. | RP03509G | Development of an Integrated Process for Conversion of Biomass to Affordable Liquid Biofuel | Department of Science & Technology (DST) Latvia | 90.09 | 08-03-2018 | 07-03-2021 | Atul Narang Dept. of Biochemical Engineering & Biotechnology | Dept. of Biochemical Engineering & Biotechnology |
| 10. | RP03388G | Development of Stationary Phase Prompter - Based Gene Expression System for Actinomycetes | Department of Biotechnology, Ministry of Sc.& Tech India | 59.18 | 01-08-2017 | 31-07-2020 | PREETI SRIVASTAVA Dept. of Biochemical Engineering & Biotechnology | Dept. of Biochemical Engineering & Biotechnology |
| 11. | RP03386G | Functional and Regulatory Characterization of Hypoxia Regulated MicroRNAs and evaluation of their Therapeutic and Prognostic Potential in Glioblastoma | Department of Biotechnology, Ministry of Sc.& Tech India | 45.77 | 10-07-2017 | 09-07-2020 | RITU KULSHRESHTHA Dept. of Biochemical Engineering & Biotechnology | Dept. of Biochemical Engineering & Biotechnology |
| 12. | RP03500G | Using Bioinspired Lipase in Low water Media for design and Synthesis of Heal Their edible Oils (Under DBT Bio-Care 2016 women scientist Scheme) | Department of Biotechnology, Ministry of Sc.& Tech India | 33.36 | 20-02-2018 | 19-02-2021 | Prashant Mishra Dept. of Biochemical Engineering & Biotechnology | Dept. of Biochemical Engineering & Biotechnology |
| 13. | RP03398G | Finding of a New RNA Aptamer and Mediated Drug Delivery Method Specific to Prostate Cancer a Pioneer Cancer Research Approach in India | Department of Science and Technology India | 31.56 | 02-08-2017 | 01-08-2020 | PRASHANT MISHRA Dept. of Biochemical Engineering & Biotechnology | Dept. of Biochemical Engineering & Biotechnology |

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| 14. | RP03507G | Metabolic engineering of Bacillus subtilis for the production of biorenewable isoprene | SERB, DST, India | 31.20 | 21-09-2017 | 20-09-2020 | Ashish Misra Dept. of Biochemical Engineering & Biotechnology | Dept. of Biochemical Engineering & Biotechnology |
| 15. | RP03510G | Upgradation of heavy crude oil and diesel by bio desulfurization using a microorganism with improved activity (Under Young Scientist Scheme) | Department of Science & Technology India | 28.14 | 06-03-2018 | 05-03-2021 | Preeti Srivastava Dept. of Biochemical Engineering & Biotechnology | Dept. of Biochemical Engineering & Biotechnology |
| Dept. of Chemical Engineering | | | | | | | | |
| 16. | RP03506G | Methanol Production from Indian Coal: Pilot Plant Demonstration, Catalysis and Scale-up Technologies | Department of Science & Technology India | 3824.68 | 01-02-2018 | 31-01-2021 | Shantanu Roy Dept. of Chemical Engineering | Dept. of Chemical Engineering |
| 17. | RP03363G | Extraction of Precious Metals from E-waste using Chelation Technology | Department of Science & Technology (DST) India | 427.63 | 19-05-2017 | 18-05-2020 | KAMAL KISHORE PANT Dept. of Chemical Engineering | Dept. of Chemical Engineering |
| 18. | RP03367G | Reduction of NOx from H2 Engines using EGR and Aftertreatment Devices | Ministry of New and Renewable Energy India | 180.58 | 29-05-2017 | 28-05-2020 | DIVESH BHATIA Dept. of Chemical Engineering | Dept. of Chemical Engineering |
| 19. | RP03362G | Scale-up Studies and Process Development for Hydrogen Production by Catalytic Decomposition of Natural Gas | Hindustan Petroleum Corporation Limited,R&D Centre India | 102.30 | 12-05-2017 | 11-05-2021 | KAMAL KISHORE PANT Dept. of Chemical Engineering | Dept. of Chemical Engineering |
| 20. | RP03520G | Development of suitable processes for the synthesis and purification of Trimethyl phosphate (TMPO) and Triethyl borate (TEB) | SEMI-CONDUCTOR LABORATORY, DEPARTMENT OF SPACE, PUNJAB India | 77.55 | 27-03-2018 | 26-03-2021 | Kamal Kishore Pant Dept. of Chemical Engineering | Dept. of Chemical Engineering |
| 21. | RP03371G | Development of a Low-Cost Therapy for Biological Toxins for Rural India | Department of Biotechnology, Ministry of Sc.& Tech India | 71.09 | 13-06-2017 | 12-06-2019 | ANURAG SINGH RATHORE Dept. of Chemical Engineering | Dept. of Chemical Engineering |
| 22. | RP03487N | DEVELOPMENT OF SOLID OXIDE CELL FOR CONVERSION OF CARBON DIOXIDE TO HYDROCARBONS | GAIL (India) Limited,Noida India | 69.53 | 04-01-2018 | 03-01-2020 | Mohammad Ali Haider Dept. of Chemical Engineering | Dept. of Chemical Engineering |

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| 23. | RP03522G | Development of a point-of-care (POC) diagnostic panel for rapid detection and stratification of bacterial septicemia in critically-ill patients | Department of Science & Technology (DST) India | 62.26 | 20-03-2018 | 19-03-2021 | Shalini Gupta Dept. of Chemical Engineering | Dept. of Chemical Engineering |
| 24. | RP03460G | Development of efficient vanadium redox flow battery (VRFB) using assisted inner-sphere electron transfer and higher state-of-charge management | Science & Engineering Research Board, DST India | 46.12 | 01-12-2017 | 30-11-2020 | Anil Verma Dept. of Chemical Engineering | Dept. of Chemical Engineering |
| 25. | RP03476G | Investigation of non-assisted low temperature startup of PEM fuel cell | VSSC, ISRO India | 24.81 | 15-02-2018 | 14-02-2021 | Anil Verma Dept. of Chemical Engineering | Dept. of Chemical Engineering |
| 26. | RP03381G | Gas Production from Heterogeneous Methane Hydrate Reservoirs | Science and Engineering Research Board,(DST) India | 20.47 | 01-07-2017 | 30-06-2020 | JYOTI PHIRANI Dept. of Chemical Engineering | Dept. of Chemical Engineering |
| 27. | RP03505N | Intensification of Deep Desulfurization using Structured Reactors | Honeywell, UOP India Pvt. Ltd., Gurgaon India | 15.03 | 02-02-2018 | 01-02-2019 | Shantanu Roy Dept. of Chemical Engineering | Dept. of Chemical Engineering |
| Dept. of Chemistry | | | | | | | | |
| 28. | RP03497G | Development of Robust Single-Site Solid Catalysts Based on Metal-Organic Frameworks for Conversion of NGL to 1-Hexene and Cyclohexane | Gas Authority of India Limited India | 81.00 | 15-02-2018 | 14-02-2020 | Kuntal Manna Dept. of Chemistry | Dept. of Chemistry |
| 29. | RP03334G | Designer Dendritic Systems for Aggregation Modified Fluorescence | Science and Engineering Research Board,(DST) India | 56.12 | 01-04-2017 | 31-03-2020 | SIDDHARTH PANDEY Dept. of Chemistry | Dept. of Chemistry |
| 30. | RP03377G | Dynamic study of Highly efficient quantum Dot sensitized solar Cells Based on earth abundant Metal Chalcogenides (MX ₂ with M =Fe,Mo,W;X=S,Se) Semiconductor as a sensitizer for TiO ₂ | Department of Science & Technology (DST) India | 29.96 | 16-06-2017 | 15-06-2020 | PRAVIN POPINAND INGOLE Dept. of Chemistry | Dept. of Chemistry |

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| 31. | RP03488G | Metal complexes, chalcogenide ligands and their nanoparticles: selective sensor for anions & cations.(Women Scientist Project of Dr. Poornima Singh under Supervision of Prof. A.K. Singh, deptt. of chemistry) | Department of Science & Technology India | 29.63 | 01-01-2018 | 31-12-2020 | A K Singh Dept. of Chemistry | Dept. of Chemistry |
| 32. | RP03384G | synthesis of Novel Low Cost Biosorbents based on Modified Cellulosic agrowastes by Tetraethylenepentamine, Triethylenetriamine and adsorption study for Anionic dyes Removal | International Division, Dept. of Science & Technology Tunisia | 18.17 | 19-06-2017 | 18-06-2019 | SUNIL KUMAR KHARE Dept. of Chemistry | Dept. of Chemistry |
| 33. | RP03503G | DEVELOPMENT OF GROUP II-VI SEMICONDUCTOR PRECURSOR MATERIAL AND EVALUATION OF THEIR PROPERTIES | DMSRDE, DRDO India | 9.43 | 27-02-2018 | 26-02-2020 | Jai Deo Singh Dept. of Chemistry | Dept. of Chemistry |
| 34. | RP03383G | Investigation of Environmentally Benign Liquid Media for CO ₂ Capture and Sequestration | Council of Scientific & Industrial Research India | 2.75 | 01-05-2017 | 30-04-2020 | SIDDHARTH PANDEY Dept. of Chemistry | Dept. of Chemistry |
| 35. | RP03369G | Metal Nanoparticles Decorated Graphene Oxide Heterostructures for Electro-Catalytic Reduction of Carbon Dioxide in Deep Eutectic Solvents | Council of Scientific & Industrial Research India | 2.75 | 01-05-2017 | 30-04-2020 | PRAVIN POPINAND INGOLE Dept. of Chemistry | Dept. of Chemistry |
| Dept. of Civil Engineering | | | | | | | | |
| 36. | RP03472G | Integrated low cost water sensors for real- time river water monitoring and decision- making | Indo-US Science and Technology Forum (IUSSTF) United States | 900.00 | 07-12-2017 | 06-12-2022 | Arun Kumar Dept. of Civil Engineering | Dept. of Civil Engineering |
| 37. | RP03429G | Design of Blast Resistant Structures (JATC Sub Project # 4 under MI01618) | DRDO, Ministry of Defence India | 881.74 | 25-09-2017 | 24-09-2022 | TANUSREE CHAKRABORTY Dept. of Civil Engineering | Dept. of Civil Engineering |

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| 38. | RP03447G | Development of Explosive Resistant Structures (JATC Sub Project # 18 under MI01618) | DRDO, Ministry of Defence India | 533.02 | 25-09-2017 | 24-09-2022 | TANUSREE CHAKRABORTY Dept. of Civil Engineering | Dept. of Civil Engineering |
| 39. | RP03405G | An Integrated Study of Air Pollutant Sources in the Delhi NCR (ASAP Delhi) | Ministry of Earth Sciences India | 76.74 | 16-08-2017 | 15-08-2021 | MUKESH KHARE Dept. of Civil Engineering | Dept. of Civil Engineering |
| 40. | RP03389G | Source Apportionment and Identification of Source Locations for Ambient PM 205 over Ghaziabad using Advanced Factor Analytic Tools | Uttar Pradesh Pollution Control Board, Lucknow, UP India | 52.04 | 20-07-2017 | 19-01-2019 | GAZALA HABIB Dept. of Civil Engineering | Dept. of Civil Engineering |
| 41. | RP03512G | Development of Guidelines for Increasing the Height of Overburden Dumps at Opencast Coal Mines in India | Central Mine Planning & Design Institute Ltd. India | 49.63 | 14-03-2018 | 13-03-2020 | K S Rao Dept. of Civil Engineering | Dept. of Civil Engineering |
| 42. | RP03491F | Influence of sulphates on the hydration of cements | Chryso SAS France | 36.00 | 18-01-2018 | 17-01-2020 | Shashank Bishnoi Dept. of Civil Engineering | Dept. of Civil Engineering |
| 43. | RP03477G | Design of vertical shaft based twin chambered underground explosive storage structure | Centre for Fire, Explosive & Environment Safety, DRDO, Ministry of Defence India | 30.07 | 28-12-2017 | 27-06-2020 | Tanusree Chakraborty Dept. of Civil Engineering | Dept. of Civil Engineering |
| 44. | RP03499F | A Systems Approach to Air Pollution in Delhi (ASAAP) | Global Challenges Research Fund (GCRF) United Kingdom | 22.58 | 01-01-2018 | 31-12-2018 | Mukesh Khare Dept. of Civil Engineering | Dept. of Civil Engineering |
| 45. | RP03390F | Towards an Integrated Global Transport and Health Assessment Tool (TIGTHAT) | University of Cambridge, United Kingdom United Kingdom | 21.48 | 18-04-2017 | 17-04-2019 | GEETAM TIWARI Dept. of Civil Engineering | Dept. of Civil Engineering |
| 46. | RP03368G | New Passive Control System for Seismic Protection of Structures (Women Scientist Scheme A - KIRAN WOS-A) | Department of Science and Technology India | 19.70 | 15-05-2017 | 14-05-2020 | TANUSREE CHAKRABORTY Dept. of Civil Engineering | Dept. of Civil Engineering |
| 47. | RP03484F | Integrated hydro-economic framework for basin-scale water quality and quantity management | Shastri Indo-Canadian Institute Canada | 10.00 | 01-02-2018 | 31-01-2020 | Dhanya C.T. Dept. of Civil Engineering | Dept. of Civil Engineering |
| 48. | RP03435G | Investigating Suitability of Water Quality Guidelines for Site-Specific Exposure Scenarios | Indian Institute of Technology Kanpur India | 9.00 | 02-10-2017 | 01-10-2018 | ARUN KUMAR Dept. of Civil Engineering | Dept. of Civil Engineering |

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| 49. | RP03359F | Black Carbon and Tropospheric Ozone in Rural India (To create a project staff position for Air Pollution Monitoring at Hamirpur, U. P.) | University of Gothenburg, Sweden, Department of Chemistry Sweden | 6.91 | 05-05-2017 | 04-05-2018 | GAZALA HABIB Dept. of Civil Engineering | Dept. of Civil Engineering |
| Dept. of Computer Science & Engg. | | | | | | | | |
| 50. | RP03453F | Tractable Probabilistic Logic Models: A New Deep Explainable Representation | University of Texas United States of America | 128.54 | 11-05-2017 | 10-05-2021 | PARAG SINGLA Dept. of Computer Science & Engg. | Dept. of Computer Science & Engg. |
| 51. | RP03370G | Development of a Suite of Indigenous Assistive Systems and Tools for the Disabled Community in India (under IMPRINT scheme) | IIT Kharagpur India | 121.20 | 05-06-2017 | 04-06-2020 | M. BALAKRISHNAN Dept. of Computer Science & Engg. | Dept. of Computer Science & Engg. |
| 52. | RP03354F | Support for Secure Execution in Distributed Systems Using Encrypted Keys | Semiconductor Research Corporation United States of America | 58.09 | 01-05-2017 | 30-04-2020 | SMRUTI RANJAN SARANGI Dept. of Computer Science & Engg. | Dept. of Computer Science & Engg. |
| 53. | RP03516F | Indo-US Center for Algorithms under Uncertainty | Indo-US Science and Technology Forum (IUSSTF) United States | 24.63 | 20-03-2018 | 19-03-2020 | Amit Kumar Dept. of Computer Science & Engg. | Dept. of Computer Science & Engg. |
| 54. | RP03352F | Ultra Fast Thermal Simulation of Electronic Systems | Semiconductor Research Corporation United States of America | 20.09 | 01-05-2017 | 30-04-2020 | SMRUTI RANJAN SARANGI Dept. of Computer Science & Engg. | Dept. of Computer Science & Engg. |
| 55. | RP03365F | Memory Hierarchy Bandwidth Management in Multiprocessor Systems on chip | Semiconductor Research Corporation United States of America | 19.50 | 01-05-2017 | 30-04-2020 | PREETI RANJAN PANDA Dept. of Computer Science & Engg. | Dept. of Computer Science & Engg. |
| 56. | RP03501F | Probabilistic Inference over Textual Knowledge bases | International Business Machines United States | 9.58 | 07-02-2018 | 06-02-2023 | Mausam Dept. of Computer Science & Engg. | Dept. of Computer Science & Engg. |
| 57. | RP03379N | MSR India Virtual Centre - 2017 | Microsoft Research Lab India Pvt. Ltd. India | 6.50 | 23-06-2017 | 22-06-2018 | SORAV BANSAL Dept. of Computer Science & Engg. | Dept. of Computer Science & Engg. |
| 58. | RP03420F | Collaboration with Indiana University in Tactile Graphics | Indiana University United States of America | 6.40 | 24-08-2017 | 23-08-2018 | M. BALAKRISHNAN Dept. of Computer Science & Engg. | Dept. of Computer Science & Engg. |

| Dept. of Electrical Engineering | | | | | | | | |
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| 59. | RP03519G | Virtual Labs (Phase III) | Ministry of Human Resource & Development India | 1500.00 | 27-03-2018 | 26-03-2021 | V Ramgopal Rao Office the Director | Dept. of Electrical Engineering |
| 60. | RP03436G | Fabrication and Integration of Chemical, GAS and Physiological Monitoring Sensors on Textiles Substrates (Anex. 1, Sl. no. 04 sub proj. No.10 under JATC MIO1618) | DRDO, Ministry of Defence India | 903.21 | 05-10-2017 | 04-10-2022 | ANUJ DHAWAN Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 61. | RP03443G | UI-ASSIST: US India Collaborative for Smart Distribution System with Storage | Indo-US Science and Technology Forum (IUSSTF) United States of America | 753.42 | 29-09-2017 | 28-09-2022 | ABHIJIT RAMCHANDRA ABHYANKAR Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 62. | RP03437G | Development of Textile Based Interconnects and Antennas (Annex. 1 SL. No. 03 sub proj. no. 11 under JATC MIO1618) | DRDO, Ministry of Defence India | 497.22 | 05-10-2017 | 04-10-2022 | ANUJ DHAWAN Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 63. | RP03417G | Smart Integrated Landmine Detection System (SILDS) Based on Explosive Vapor-sensing Nose high Sensitive Magnetic Field sensing and Novel Microwave Radar Imaging (UNDER IMPRINT SCHEME) | Ministry of Human Resource Development India | 400.00 | 30-08-2017 | 29-08-2020 | ANUJ DHAWAN Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 64. | RP03356G | Surface Enhanced Raman Scattering (SERS) Based Point Detection and Stand off Detection of Explosives and Chemical & Biological Warfare Agents | DRDO, Ministry of Defence India | 353.85 | 01-05-2017 | 30-04-2021 | ANUJ DHAWAN Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 65. | RP03346G | Energy Efficient Buildings: Technology with Intelligence | Department of Science & Technology (DST) India | 318.42 | 03-04-2017 | 02-04-2020 | BIJAYA KETAN PANIGRAHI Dept. of Electrical Engineering | Dept. of Electrical Engineering |

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| 66. | RP03391G | UK India Clean energy Research Institute (UKICERI) under Prof. Bhim Singh, Deptt. of Elect. Engg. | International Division, Dept. of Science & Technology United Kingdom | 298.50 | 20-07-2017 | 19-07-2021 | BHIM SINGH Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 67. | RP03481G | Community-scale Energy Demand Reduction in India (CEDRI) | Department of Science & Technology India | 275.48 | 01-11-2017 | 31-10-2020 | Abhijit Ramchandra Abhyankar Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 68. | RP03357G | Design and Development of Solar PV Integrated System with Island and Resynchronization Capabilities | Department of Science & Technology (DST) India | 233.98 | 02-05-2017 | 01-05-2020 | BHIM SINGH Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 69. | RP03498G | Identification and Demonstration of Cost effective Technologies to Maximize habitat Energy self-sufficiency | Department of Science & Technology India | 124.22 | 20-02-2018 | 19-02-2021 | Sukumar Mishra Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 70. | RP03457N | Flexibility Assessment and Establishment for Strengthening the Grid for Large Scale Renewable Integration (RE) | Renew Power Ventures Pvt. Ltd. India | 120.00 | 07-11-2017 | 06-11-2020 | NILANJAN SENROY Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 71. | RP03461N | Design and Development of a Charging Station for Electric Vehicles | Renew Power Ventures Pvt. Ltd. India | 99.52 | 01-12-2017 | 30-11-2020 | Bhim Singh Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 72. | RP03518G | J C Bose Fellowship | Department of Science & Technology India | 90.00 | 20-03-2018 | 19-03-2023 | Ranjan Kumar Mallik Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 73. | RP03413G | UK India Clean Energy Research Institute (UKICERI) under Supervision of Prof. Sukumar Mishra, Deptt. of Elect. Engg. | International Division, Dept. of Science & Technology United Kingdom | 85.34 | 24-08-2017 | 23-08-2021 | SUKUMAR MISHRA Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 74. | RP03508G | Zero Peak Energy Building Design for India (ZED-i) | Department of Science & Technology (DST) India | 53.36 | 05-03-2018 | 04-03-2021 | Sukumar Mishra Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 75. | RP03502G | Collaborative Activities Under India-Ethiopia Science and Technology Cooperation Frame work | Department of Science & Technology Ethiopia | 38.59 | 01-03-2018 | 28-02-2019 | Bijaya Ketan Panigrahi Dept. of Electrical Engineering | Dept. of Electrical Engineering |

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| 76. | RP03463G | Random Access and Re-Transmission Protocols for Massive MIMO Systems | Science & Engineering Research Board, Delhi India | 31.72 | 29-11-2017 | 28-11-2020 | saif k mohammed Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 77. | RP03421N | Centre of Excellence on Renew Power | Renew Power Ventures Pvt. Ltd. India | 20.00 | 11-08-2017 | 10-08-2020 | G.BHUVANESWARI Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 78. | RP03515F | Electrical Degradation and Reliability of 45nm SOI Transistors under RF Operation | GlobalFoundries Inc. United States | 19.50 | 03-11-2017 | 02-03-2020 | Abhisek Dixit Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| 79. | RP03514G | QoS provision for Multigigabit-supporting 5G wireless mobile networks | Department of Science & Technology (DST) South Korea | 15.17 | 12-03-2018 | 11-03-2021 | Jun Bae Seo Dept. of Electrical Engineering | Dept. of Electrical Engineering |
| Dept. of Humanities & Social Sciences | | | | | | | | |
| 80. | RP03482F | Civil Society Advocacy and Inclusive Development in India | Netherlands Organisation for Scientific Research Netherlands | 133.72 | 15-01-2018 | 14-07-2019 | Sarbeswar Sahoo Dept. of Humanities & Social Sciences | Dept. of Humanities & Social Sciences |
| Dept. of Management Studies | | | | | | | | |
| 81. | RP03458F | Public Engagement on Health and Development in India | Bill & Melinda Gates Foundation United States | 960.00 | 08-11-2017 | 31-10-2020 | Mahim Sagar Dept. of Management Studies | Dept. of Management Studies |
| 82. | RP03469G | Game-based Interactive Simulator for Training Professionals in Cybersecurity Vulnerabilities (under IMPRINT Scheme) | Ministry of Human Resource Development India | 97.80 | 13-12-2017 | 12-12-2020 | Manmohan Prasad Gupta Dept. of Management Studies | Dept. of Management Studies |
| 83. | RP03483N | Strategies for Grid Strengthening: Leverage Storage for Solar Integration at Distribution Network Level | Renew Power Ventures Pvt. Ltd. India | 80.00 | 15-01-2018 | 14-04-2020 | Ravi Shankar Dept. of Management Studies | Dept. of Management Studies |
| 84. | RP03411G | Collaborative Decision Making on Container Supply Chains | University Grants Commission United Kingdom | 53.26 | 21-08-2017 | 20-08-2020 | SURYA PRAKASH SINGH Dept. of Management Studies | Dept. of Management Studies |
| 85. | RP03410G | Advanced Analytics for Green and Resilient Supply Chain Decision Making | University Grants Commission United Kingdom | 52.73 | 22-08-2017 | 21-08-2020 | RAVI SHANKAR Dept. of Management | Dept. of Management Studies |

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| 86. | RP03355N | Preparing for long Term Case Needs of Elderly in India: Design Guideluinies for Old Age Home, Assessment of Manpower for Institutional/Home Based Care of Elderly and Curriculum Development | Human Settlement Management Institute, HUDCO House India | 21.98 | 01-05-2017 | 30-04-2018 | SUDHIR KUMAR JAIN Dept. of Management Studies | Dept. of Management Studies |
| 87. | RP03464G | Analyzing Big Data in Twitter for Identifying Concerns - Inputs in Digital Payments and Telecommunications | Department of Science & Technology India | 11.13 | 29-11-2017 | 28-11-2019 | Arpan Kumar Kar Dept. of Management Studies | Dept. of Management Studies |
| 88. | RP03375N | Facilitating Research in EMF Technology an Management | Grace Cander Foundation India | 7.00 | 19-06-2017 | 18-06-2020 | RAVI SHANKAR Dept. of Management Studies | Dept. of Management Studies |
| 89. | RP03364G | Assessing the Societal and Business Impact of Corporate Social Responsibility (CSR) | Indian Council of Social Science Research India | 7.00 | 01-06-2017 | 30-11-2018 | SHVETA SINGH Dept. of Management Studies | Dept. of Management Studies |
| 90. | RP03402G | Do Social Media Platforms Grow the Small and Medium Enterprises: An Experimental Design Study in India | Indian Council of Social Science Research India | 6.00 | 30-07-2017 | 29-01-2019 | P. VIGNESWARA ILAVARASAN Dept. of Management Studies | Dept. of Management Studies |
| 91. | RP03444G | Learning to Innovate The Role of Exploration and Exploitation Strategies in Different Institutional Contexts | Indian Council of Social Science Research India | 2.09 | 01-10-2017 | 30-09-2018 | SANJAY DHIR Dept. of Management Studies | Dept. of Management Studies |
| 92. | RP03517F | Joint Research on Global issues in Container Supply Chain | University of Connecticut United States | 0.94 | 09-03-2018 | 22-03-2021 | Ravi Shankar Dept. of Management Studies | Dept. of Management Studies |

| Dept. of Mechanical Engineering | | | | | | | | |
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| 93. | RP03426G | Design and Development of Light Weight Bullet Proof Jacket (BPJ) for Protection against High Threat Level of NIJ Level 3+ and NIJ Level IV (JATC Sub projects No 1 under MI01618) | DRDO, Ministry of Defence India | 1324.70 | 15-09-2017 | 14-09-2022 | NARESH BHATNAGAR Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |
| 94. | RP03430G | Human Body Tissue Characterization under Blast, Impact and Penetration (JATC Sub Project #5 under MI01618) | DRDO, Ministry of Defence India | 1224.62 | 11-09-2017 | 10-09-2022 | NARESH VARMA DATLA Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |
| 95. | RP03428G | Human Body FE Model Development for Blast and Impact (JATC Sub Project # 3 under MI01618) | DRDO, Ministry of Defence India | 767.43 | 11-09-2017 | 10-09-2022 | ANOOP CHAWLA Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |
| 96. | RP03439G | Design of Anti-Mine Boots (AMBs) using Finite Element Simulations with Human Body Model (HBM) (JATC Sup Project # 13 under MI01618) | DRDO, Ministry of Defence India | 745.29 | 06-10-2017 | 05-10-2022 | DEVENDRA KUMAR DUBEY Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |
| 97. | RP03438G | Characterization of EMRG using Electromagnetic Modeling and Design of Rail Armature and Compulsator (JATC Sub Project #12 under MI01618) | DRDO, Ministry of Defence India | 680.63 | 11-09-2017 | 10-09-2020 | JITENDRA PRASAD KHATAIT Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |
| 98. | RP03414G | Simulation based Preliminary Study of Lower Extremity (LE) Injuries Caused by Blast | Directorate of Extramural Research & Intellectual Property Rights, DRDO, Ministry of Defence India | 78.74 | 21-08-2017 | 20-08-2020 | DEVENDRA KUMAR DUBEY Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |
| 99. | RP03387G | Design and Development of Magneto & Electro Rheological Systems | Defence Materials & Stores Research & Development India | 77.00 | 01-07-2017 | 31-12-2019 | SUNIL JHA Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |

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|------|----------|--|---|-------|------------|------------|---|---------------------------------|
| 100. | RP03400G | High-performance, low-cost, passive prosthetic knees optimized to replicate physiological gait in multiple mobility scenarios | Department of Biotechnology, Ministry of Sc.& Tech India | 69.93 | 13-06-2017 | 12-06-2019 | SUDIPTO MUKHERJEE Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |
| 101. | RP03452G | Fabrication of Silicon Nitride Ceramics and its Grinding Performance Improvement | Science and Engineering Research Board,(DST) India | 36.56 | 07-11-2017 | 06-11-2020 | SIVANANDAM ARAVINDAN Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |
| 102. | RP03486N | Manufacturing of combs and cutters for sheep hair shearing devices through different processes | MA KS Solutions (India) Private Limited and MA Knowledge Services Research (India) Private Limited India | 16.97 | 11-01-2018 | 10-01-2019 | Digavalli Ravi Kumar Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |
| 103. | RP03406G | Development of a Numerical Model for Performance Prediction of Fire Protective Ensemble | DRDO, Ministry of Defence India | 16.80 | 14-08-2017 | 13-08-2019 | PRABAL TALUKDAR Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |
| 104. | RP03459N | Development of ultrasonic assisted bone drilling machine prototype. | SRISTI, Ahemdabad, Gujarat India | 15.00 | 16-08-2017 | 15-11-2019 | Pulak Mohan Pandey Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |
| 105. | RP03297G | Stochastic Finite Element Model Updating for Uncertainty Quantification in Structural Dynamics | Aeronautics R&D Board (Ministry of Defence) India | 13.32 | 23-05-2017 | 22-05-2020 | SUBODH VASANT MODAK Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |
| 106. | RP03504G | Development of an improved pottery kiln for the potters community at Khurampur, Farrukhnagar Block, Gurugram | National Backward Classes Financing and Development Coropration India | 11.50 | 15-03-2018 | 14-12-2018 | M R Ravi Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |
| 107. | RP03422G | Determining the size of slices (cut shells) of HE shells to eliminate the possibility of deflagration to detonation transition | DRDO, Ministry of Defence India | 9.98 | 06-09-2017 | 05-09-2018 | MAYANK KUMAR Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |
| 108. | RP03479N | Optimization of Treadle Pump | AJAY Industrial Corporation Ltd. India | 3.12 | 02-01-2018 | 01-07-2018 | Subir Kumar Saha Dept. of Mechanical Engineering | Dept. of Mechanical Engineering |

| Dept. of Physics | | | | | | | | |
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| 109. | RP03446G | Development of Time Resolved THz Imaging and Spectroscopy System for Studying High Energy Density Materials and Condensed Explosives under Functionalized Condition (JATC Sub Project # 17 under MI01618) | DRDO, Ministry of Defence India | 852.02 | 01-11-2017 | 31-10-2022 | AMARTYA SENGUPTA Dept. of Physics | Dept. of Physics |
| 110. | RP03442G | Spintronic based Tunable and Powerful Broadband THz Emitters (JATC Sub Project # 16 under MI01618) | DRDO, Ministry of Defence India | 627.70 | 04-10-2017 | 03-10-2022 | SUNIL KUMAR Dept. of Physics | Dept. of Physics |
| 111. | RP03353G | Electronically Tuned Ultra-wide Band Microwave Monolithie Devices using Magnetic Nanostructures(under IMPRINT Projects) | Ministry of Human Resource Development India | 405.00 | 01-05-2017 | 30-04-2020 | PRANABA KISHOR MUDULI Dept. of Physics | Dept. of Physics |
| 112. | RP03432G | Nano Springs Layered Energy Dissipating and Energy Dispersing Non-ballistics Materials (JATC Sub Project #7 under MI01618) | DRDO, Ministry of Defence India | 285.16 | 03-10-2017 | 02-10-2022 | JITENDRA PRATAP SINGH Dept. of Physics | Dept. of Physics |
| 113. | RP03317G | Development of SERB based Ultra-sensitive, Rapid, Portable and Field Deployable Platform for Detection of Pathogenic Bacteria and Dengue Virus(under IMPRINT SCHEME) | Ministry of Human Resource Development India | 122.16 | 03-04-2017 | 02-04-2020 | JITENDRA PRATAP SINGH Dept. of Physics | Dept. of Physics |
| 114. | RP03397G | Development of Web Enabled Learning/Training Modules for Nano-Materials, Fabrication and Devices (under IMPRINT Project) | Ministry of Human Resource Development India | 120.00 | 31-07-2017 | 30-07-2019 | NEERAJ KHARE Dept. of Physics | Dept. of Physics |

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| 115. | RP03445G | Development of Field Portable High-Resolution Fluorescence and Raman based Fiber Optic Micro-endoscopy for in Vivo Imaging and Diagnosis of Breast and Oral Cancer | Department of Science & Technology (DST) India | 90.80 | 07-10-2017 | 06-10-2020 | DALIP SINGH MEHTA Dept. of Physics | Dept. of Physics |
| 116. | RP03468G | Development of electrically tunable nanoscale microwave oscillator prototypes using spin Hall Effect | Department of Science & Technology India | 74.54 | 22-11-2017 | 21-11-2020 | Pranaba Kishor Muduli Dept. of Physics | Dept. of Physics |
| 117. | RP03478G | Microfluidic Digital Holographic Microscopy Platform for Live Cell Imaging and Diagnostics | Department of Science & Technology (DST) India | 57.83 | 01-12-2017 | 31-05-2019 | Kedar Khare Dept. of Physics | Dept. of Physics |
| 118. | RP03372G | Theoretical and experimental studies of suspensions of magnetic nanoparticles, their applications and generalizations | International Division, Dept. of Science & Technology United Kingdom | 45.48 | 01-07-2017 | 30-06-2020 | VARSHA BANERJEE Dept. of Physics | Dept. of Physics |
| 119. | RP03419G | Study, Design and Development of High-Tc Josephson Junction Detector for Wideband (70-700 GHz) Millimeter Wave Radiation | Board of Research in Nuclear Sciences (DAE) India | 35.11 | 01-09-2017 | 31-08-2019 | NEERAJ KHARE Dept. of Physics | Dept. of Physics |
| 120. | RP03319G | Synthesis of Pd-graphene core shell nano-particles for hydrogen sensing applications | Board of Research in Nuclear Sciences (DAE) India | 27.80 | 01-04-2017 | 31-03-2020 | BODH RAJ Dept. of Physics | Dept. of Physics |
| 121. | RP03490G | Microstructure controlled radiation tolerance of nano-crystalline oxide ceramics at various ranges | Department of Atomic Energy, Board of Research in Nuclear Sciences India | 27.22 | 30-01-2018 | 29-12-2021 | Santanu Ghosh Dept. of Physics | Dept. of Physics |
| 122. | RP03401N | Blood Quality Assessment using Digital Holographic Microscopy (BIRAC Sristi Gyti Award) | SRISTI, Ahmedabad, Gujarat India | 15.00 | 24-07-2017 | 23-07-2019 | KEDAR BHALLCHANDRA KHARE Dept. of Physics | Dept. of Physics |
| 123. | RP03366G | Study of Usual and Generalized Stokes Parameters for Vectorial Optical Field | Council of Scientific & Industrial Research India | 12.79 | 24-08-2017 | 23-08-2020 | BHASKAR KANSERI Dept. of Physics | Dept. of Physics |

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|------------------------------------|----------|--|---|--------|------------|------------|---|-----------------------------|
| 124. | RP03474G | Probing the dense interiors of neutron stars via gravitational waves (Dr. Neelam Dhanda Batra, Women Scientist under supervision of Prof. V. Ravishankar, Department of Physics) | Department of Science & Technology (DST) India | 4.42 | 17-10-2017 | 16-04-2019 | V Ravishankar Dept. of Physics | Dept. of Physics |
| Dept. of Textile Technology | | | | | | | | |
| 125. | RP03361G | A Technology Platform for Application of Advanced Textile Structures for the Development of Structural Composites including Green and Waste Composites | Ministry of Textile, Textile Commissioner of India India | 983.00 | 01-05-2017 | 30-04-2022 | B.K.BEHERA Dept. of Textile Technology | Dept. of Textile Technology |
| 126. | RP03465G | Development of Multilayered Coated and Laminated Fabric for Aerostat Hull Material (JATC Sub Project # 22 under MI01618) | DRDO, Directorate of Extramural R&I Property Right India | 796.28 | 01-12-2017 | 30-11-2022 | Mangala Joshi Dept. of Textile Technology | Dept. of Textile Technology |
| 127. | RP03449G | Design and Development of Laminated Fabric for High Altitude Airship (JATC Sub Project # 19 under MI01618) | DRDO, Ministry of Defence India | 637.70 | 01-11-2017 | 31-10-2022 | BHUPENDRA SINGH BUTOLA Dept. of Textile Technology | Dept. of Textile Technology |
| 128. | RP03466G | Design & Development of Extreme Cold Climate Clothing for Defence Personnel JATC Sub Project # 23 under MI01618) | Directorate of Extramural R&I Property Right, DRDO, , Ministry of Defence India | 602.50 | 01-12-2017 | 30-11-2022 | R S Rengasamy Dept. of Textile Technology | Dept. of Textile Technology |
| 129. | RP03427G | Development of Soft Body Armour using Shear Thickening Fluides (JATC Sub Project # 2 under MI01618) | DRDO, Ministry of Defence India | 535.93 | 01-10-2017 | 30-09-2022 | ABHIJIT MAJUMDAR Dept. of Textile Technology | Dept. of Textile Technology |
| 130. | RP03470G | Development of roller carding machine for manufacturing of nonwovens (Centre of Excellence for Technology Development Scheme- Project # 01) | Department of Heavy Industry India | 327.37 | 08-12-2017 | 07-12-2020 | Dipayan Das Dept. of Textile Technology | Dept. of Textile Technology |

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| 131. | RP03467N | Development of Biocompatible Non-fluorinated Surfactant System for Fluoro-polymer Polymerization | Gujarat Fluorochemicals Ltd., India | 274.53 | 01-01-2018 | 31-12-2020 | Bhuvanesh Gupta Dept. of Textile Technology | Dept. of Textile Technology |
| 132. | RP03456G | Design and Development of Extreme Heat Protective Clothing for Defence Applications (JATC Sub Project # 21 under MI01618) | DRDO, Ministry of Defence India | 76.64 | 01-12-2017 | 30-11-2022 | APURBA DAS Dept. of Textile Technology | Dept. of Textile Technology |
| 133. | RP03454G | Shape Memory Technology for Smart Textiles | Department of Science & Technology (DST) India | 71.20 | 06-11-2017 | 05-11-2020 | BIPIN KUMAR Dept. of Textile Technology | Dept. of Textile Technology |
| 134. | RP03274G | Development of Thermoplastic Composites through Commingled Hybrid Yarns and Textile Performing | Directorate of Extramural Research & Intellectual Property Rights, DRDO, Ministry of Defence India | 43.09 | 24-04-2017 | 23-04-2020 | R.ALAGIRUSAMY Dept. of Textile Technology | Dept. of Textile Technology |
| 135. | RP03380G | Development of Multifunctional Fibrous Materials using Green Methods | Science and Engineering Research Board (DST) India | 38.15 | 01-07-2017 | 30-06-2020 | JAVED NABIBAKSHA SHEIKH Dept. of Textile Technology | Dept. of Textile Technology |
| 136. | RP03382G | Electrospun Nanofibers with Embedded Yolk-Shell Particles for Catalytic Applications | International Division, Dept. of Science & Technology Germany | 37.18 | 01-08-2017 | 31-07-2020 | BHANU NANDAN Dept. of Textile Technology | Dept. of Textile Technology |
| 137. | RP03324G | Development of a Device for Monitoring Sub-bandage Pressure of Compressing Bandages under Static and Dynamic Conditions | Department of Science & Technology (DST) India | 33.73 | 06-07-2017 | 05-07-2020 | R.ALAGIRUSAMY Dept. of Textile Technology | Dept. of Textile Technology |
| 138. | RP03404N | Injectable Silk-in-Silk Microsphere Hydrogel System for Treatment of Lower Back Pain | SRISTI, Ahemdabad, Gujarat India | 15.00 | 01-08-2017 | 31-07-2019 | SOURABH GHOSH Dept. of Textile Technology | Dept. of Textile Technology |
| 139. | RP03399G | Development of 3D Bioprinted Osteochondral Tissue | International Division, Dept. of Science & Technology Italy | 10.80 | 01-07-2017 | 30-06-2020 | SOURABH GHOSH Dept. of Textile Technology | Dept. of Textile Technology |

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| 140. | RP03424G | Fabrication and Characterization of Function Polymeric Matrix by Click-Chemistry for Medical Applications and 3D Bioprinting (Joint project of Indo-Egypt - Exchange visit) | International Division, Dept. of Science & Technology Egypt | 6.20 | 11-09-2017 | 10-09-2019 | SOURABH GHOSH Dept. of Textile Technology | Dept. of Textile Technology |
| Centre for Applied Research in Electronics (CARE) | | | | | | | | |
| 141. | RP03441G | THz Components and Systems using Synthesized Sources and Phase-coherent Techniques (JATC Sub Project # 15 under MIO1618) | DRDO, Ministry of Defence India | 791.92 | 16-10-2017 | 15-10-2021 | Ananjan Basu Centre for Applied Research in Electronics (CARE) | Centre for Applied Research in Electronics (CARE) |
| 142. | RP03455G | Millimeter Wave & RF MEMS Components and System for Imaging and Surveillance(JATC Sub Project # 20 under MIO1618) | DRDO, Ministry of Defence India | 683.23 | 08-11-2017 | 07-11-2022 | ANANJAN BASU Centre for Applied Research in Electronics (CARE) | Centre for Applied Research in Electronics (CARE) |
| 143. | RP03440G | High Efficiency THz detectors Based on Field Effect Transistors (JATC Sub Project # 14 under MIO1618) | DRDO, Ministry of Defence India | 567.80 | 10-10-2017 | 09-10-2021 | SAMARESH DAS Centre for Applied Research in Electronics (CARE) | Centre for Applied Research in Electronics (CARE) |
| 144. | RP03416G | 3-dimensional forward-looking Imaging Sonar for Autonomous Underwater Vehicles (under IMPRINT Project) | Ministry of Human Resource Development India | 342.00 (171.00 Lacs in RP03416 and 171.00 Lacs in MIO1650) | 30-08-2017 | 29-08-2020 | ARUN KUMAR Centre for Applied Research in Electronics (CARE) | Centre for Applied Research in Electronics (CARE) |
| 145. | RP03495G | Improvement of S&T Infrastructure in Centre for Applied Research in Electronics, IIT Delhi (Under FIST scheme of DST) | Department of Science & Technology (DST) India | 158.00 | 05-02-2018 | 04-02-2023 | Ananjan Basu Centre for Applied Research in Electronics (CARE) | Centre for Applied Research in Electronics (CARE) |

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| 146. | RP03423G | Ultra-high efficiency CMOS compatible Si/Ge Single Nanowire Photodetectors in Infrared and THz Wavelengths for Defence and Security Applications (IITD & IIT Kharagpur(Lead) under IMPRINT project) | Ministry of Human Resource Development India | 131.76 | 24-08-2017 | 23-08-2020 | SAMARESH DAS Centre for Applied Research in Electronics (CARE) | Centre for Applied Research in Electronics (CARE) |
| 147. | RP03373G | State-of-the-Art Facilities under Underwater Signal Processing at CARE, IIT Delhi | Directorate of Naval Training, Ministry of Defence, India | 121.80 | 01-07-2017 | 30-06-2022 | ARUN KUMAR Centre for Applied Research in Electronics (CARE) | Centre for Applied Research in Electronics (CARE) |
| 148. | RP03425G | Development of Optimum Receiver for Underwater Acoustic Communications Tuned to Indian Oceans | Naval Research Board, Directorate of Naval R&D India | 31.51 | 19-09-2017 | 18-09-2020 | MONIKA AGGARWAL Centre for Applied Research in Electronics (CARE) | Centre for Applied Research in Electronics (CARE) |

Centre for Atmospheric Sciences

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| 149. | RP03350G | DST's Centre of Excellence in Climate Modeling (under Climate Change Programme - (SPLICE) | Department of Science & Technology (DST) India | 718.87 | 19-04-2017 | 18-04-2022 | SAROJ KANTA MISHRA Centre for Atmospheric Sciences | Centre for Atmospheric Sciences |
| 150. | RP03392G | DAPHNE: Delhi Air Pollution Health and Effects | Department of Biotechnology, Ministry of Sc.& Tech India | 99.36 | 24-07-2017 | 23-07-2021 | DEEPAK JOSHI Centre for Biomedical Engineering | Centre for Atmospheric Sciences |
| 151. | RP03345G | Estimation of Coastal Storm Inundation Along the Indian Coastal Districts in a Probabilistic Climate risk Assessment Scenario | Department of Science & Technology (DST) India | 69.71 | 01-04-2017 | 31-03-2020 | A.D. RAO Centre for Atmospheric Sciences | Centre for Atmospheric Sciences |
| 152. | RP03494G | Ecosystem Based Services - An approach for management of coastal areas | Integrated Coastal & Marine Area Mgt. (ICMAM) India | 60.00 | 05-02-2018 | 04-05-2020 | A D Rao Centre for Atmospheric Sciences | Centre for Atmospheric Sciences |
| 153. | RP03358G | examining the Role of Realistic Landuse-land Cover Features on Temperature and Rainfall Predictions | Department of Science & Technology (DST) India | 52.87 | 01-05-2017 | 30-04-2020 | MANJU MOHAN Centre for Atmospheric Sciences | Centre for Atmospheric Sciences |

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| 154. | RP03333G | Identification of Upwelling Zones and Their Variability in the Indian Ocean, Using a High Resolution 3-D Ocean Circulation Model | Ministry of Earth Sciences India | 49.91 | 01-04-2017 | 31-03-2020 | VIMLESH PANT Centre for Atmospheric Sciences | Centre for Atmospheric Sciences |
| 155. | RP03394G | Transmission Loss Variability Due to Internal Tides Simulated Using an Integrated Model | DRDO, Ministry of Defence India | 24.97 | 18-08-2017 | 17-08-2020 | A.D. RAO Centre for Atmospheric Sciences | Centre for Atmospheric Sciences |
| 156. | RP03408G | simulating Coastal Inundation due to Combined effect of storm surges Tides and wing waves along the east Coast of India | Space Application Centre, ISRO India | 15.60 | 16-08-2017 | 15-05-2019 | A.D. RAO Centre for Atmospheric Sciences | Centre for Atmospheric Sciences |
| 157. | RP03409G | Coupled Ocean Wave Sediment Transport Model Experiments for the Assessment of Futuristic Shoreline Changes and its Impact on the Coastal Regions | Space Application Centre, ISRO India | 13.86 | 01-07-2017 | 31-03-2019 | VIMLESH PANT Centre for Atmospheric Sciences | Centre for Atmospheric Sciences |
| 158. | RP03475G | Towards an integrated approach for assessing the impact of climatic stresses on agriculture and the exchange of greenhouse gas on the Indo-Gangetic Plain | International Division, Department of Science & Technology United Kingdom | 7.48 | 01-08-2017 | 31-07-2019 | Sagnik Dey Centre for Atmospheric Sciences | Centre for Atmospheric Sciences |

Centre for Biomedical Engineering

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| 159. | RP03513G | Nucleic acid based portable rapid diagnostic platform | Biotechnology Industry Research Assistance Council (BIRAC) India | 40.08 | 01-03-2018 | 31-08-2019 | Dinesh Kalyanasundaram Centre for Biomedical Engineering | Centre for Biomedical Engineering |
| 160. | RP03492G | Design, synthesis and characterization of Nano-composite scaffold for wound healing | DRDO, Ministry of Defence India | 33.90 | 30-01-2018 | 29-01-2021 | Jayanta Bhattacharyya Centre for Biomedical Engineering | Centre for Biomedical Engineering |
| 161. | RP03489G | Upgradation of gamma radioactive facility | Indian Council of Medical Research India | 14.96 | 15-01-2018 | 14-01-2019 | Veena Koul Centre for Biomedical Engineering | Centre for Biomedical Engineering |

| Centre for Energy Studies (CES) | | | | | | | | |
|---|----------|---|--|--------|------------|------------|---|--|
| 162. | RP03471G | Development and Demonstration of enhanced performance of the Commercial automotive Vehicle with Alternative Transportation Fuel | Department of Science & Technology India | 143.26 | 28-11-2017 | 27-11-2020 | K A Subramanian Centre for Energy Studies (CES) | Centre for Energy Studies (CES) |
| 163. | RP03396G | Next Generation Highly Efficient and Long Term Stable Solar Cells: Organic-Inorganic Perovskite Solar Cell | Department of Science & Technology (DST) India | 87.75 | 31-07-2017 | 30-07-2020 | SANDEEP KUMAR PATHAK Centre for Energy Studies (CES) | Centre for Energy Studies (CES) |
| 164. | RP03347G | Turbulent Magnetic Field Amplification in Laboratory and Astrophysical Plasmas | Science and Engineering Research Board (DST) India | 35.27 | 10-04-2017 | 09-04-2020 | MRS. R. UMA Centre for Energy Studies (CES) | Centre for Energy Studies (CES) |
| 165. | RP03395G | Design and Development of Capillary System to Improve the Structural Stability and Thermal Performance of the Absorber for Direct Stream Generation in Linear Concentrators | Science and Engineering Research Board,(DST) India | 31.20 | 19-07-2017 | 18-07-2020 | K RAVI KUMAR Centre for Energy Studies (CES) | Centre for Energy Studies (CES) |
| Centre for Rural Development Technology (CRDT) | | | | | | | | |
| 166. | RP03374G | Development of Low Pressure High Volume Biomethane Storage Cylinder for Transportation of Bottled Biogas for Cooking and Automotive Fuel Applications | Department of Science & Technology (DST) India | 62.48 | 01-07-2017 | 30-06-2020 | VIRENDRA KUMAR VIJAY Centre for Rural Development Technology (CRDT) | Centre for Rural Development Technology (CRDT) |
| 167. | RP03451G | Process Development and Assessment/Evaluation of Microalgae Based Biofuels and Value Added Products | International Division, Dept. of Science & Technology Sri Lanka | 30.20 | 02-11-2017 | 01-11-2019 | ANUSHREE MALIK Centre for Rural Development Technology (CRDT) | Centre for Rural Development Technology (CRDT) |
| 168. | RP03448G | Value Addition of Chironji and Tendu Fruits for Socio-Economic Development of Tribals in Western Odisha | Department of Science & Technology (DST) India | 21.10 | 15-09-2017 | 14-09-2020 | S.N.NAIK Centre for Rural Development Technology (CRDT) | Centre for Rural Development Technology (CRDT) |

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|---|----------|--|---|--------|------------|------------|---|--|
| 169. | RP03376G | Assessment of Pollution Load from Pulp and Paper Industries in Ganga River Basin | Indian Institute of Technology Kanpur India | 10.00 | 01-06-2017 | 31-03-2018 | VIVEK KUMAR Centre for Rural Development Technology (CRDT) | Centre for Rural Development Technology (CRDT) |
| Industrial Tribology, Machine Dynamics & Maintenance Engg. | | | | | | | | |
| 170. | RP03407G | Exploration of High Performance Polymers and Nano-Fillers to Develop Futuristic Adhesives for Joining Metals (Dr. Jaspreet Kaur, Women Scientist Scheme - A) | Department of Science and Technology India | 30.40 | 16-08-2017 | 15-08-2020 | JAYASHREE BIJWE Industrial Tribology, Machine Dynamics & Maintenance Engg. | Industrial Tribology, Machine Dynamics & Maintenance Engg. |
| Instrument Design & Development Centre | | | | | | | | |
| 171. | RP03496G | Development of an Explosive Detection System using Surface Enhanced Raman Scattering (SERS) Process | Department of Science & Technology India | 75.30 | 08-02-2018 | 07-02-2021 | Satish Kumar Dubey Instrument Design & Development Centre | Instrument Design & Development Centre |
| Bharti School of Telecommunication Technology & Management | | | | | | | | |
| 172. | RP03480G | CyCLOPES : Proposal for monitoring landslide movement using large arrays of cooperating cyber-physical systems | Department of Science & Technology (DST) India | 150.00 | 04-01-2018 | 03-01-2021 | Subrat Kar Dept. of Electrical Engineering | Bharti School of Telecommunication Technology & Management |
| 173. | RP03493N | IIT Delhi Ericsson 5G CoE | Ericsson India Pvt. Ltd. India | 20.00 | 01-11-2017 | 31-12-2019 | Brejesh Lall Dept. of Electrical Engineering | Bharti School of Telecommunication Technology & Management |
| School of Biological Sciences | | | | | | | | |
| 174. | RP03418G | Production of a Crucial Therapeutic Protein for Trauma and Accident Care in Escherichia Coli System | Ministry of Human Resource Development India | 60.00 | 30-08-2017 | 29-08-2020 | TAPAN KUMAR CHAUDHURI School of Biological Sciences | School of Biological Sciences |

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| 175. | RP03415G | Study of Novel membrane active Peptides from Marine Organisms and their applications in Human Theragnostics | Department of Biotechnology, Ministry of Sc.& Technology India | 51.35 | 30-08-2017 | 29-08-2020 | ARCHANA CHUGH School of Biological Sciences | School of Biological Sciences |
| 176. | RP03385G | Role of Hepatitis B 'e' Antigen in the Pathogenesis of HBV related Hepatocellular Carcinoma | Science and Engineering Research Board (DST) India | 50.60 | 15-05-2017 | 14-05-2020 | VIVEKANANDAN PERUMAL School of Biological Sciences | School of Biological Sciences |
| 177. | RP03412G | Transcorneal Penetration of Multifunctional Eveloped Nano Device (MEND) Carrying Antifungal Drug Molecule Natamyci-cell Penetrating Peptide (CPP)Conjugate in an Experimental Animal Model of F. Solani | Department of Science & Technology (DST) India | 32.38 | 24-08-2017 | 23-08-2020 | ARCHANA CHUGH School of Biological Sciences | School of Biological Sciences |
| 178. | RP03403G | Characterization of Hepatitis A Virus Proteins | Indian Council of Medical Research India | 13.14 | 28-07-2017 | 27-07-2018 | MANIDIPA BANERJEE School of Biological Sciences | School of Biological Sciences |
| School of Information Technology | | | | | | | | |
| 179. | RP03462F | GCRF-EPSRC Institutional Sponsorship 2017-18 | Eigineering & Physical Sciences Research Council United Kingdom | 4.30 | 21-11-2017 | 20-05-2018 | P V Madhusudhan Rao Dept. of Mechanical Engineering | School of Information Technology |
| Transportation Research And Injury Prevention Programme (TRIPP) | | | | | | | | |
| 180. | RP03393F | Pedestrian Safe Public Transport System: Infrastructure, Operations, Vehicles, Policies and Legislation II (PS - PTS II) | Volvo Research Education Foundations, Sweden Sweden | 31.62 | 24-07-2017 | 23-07-2018 | GEETAM TIWARI Dept. of Civil Engineering | TRIPP |
| 181. | RP03511G | Urban Traffic Demand Management Strategies: Impact on Congestion Pollution and Mobility (WOMEN SCIENTIST TO RANJANA SONO) | Department of Science and Technology India | 18.50 | 01-01-2018 | 31-12-2020 | Geetam Tewari TRIPP | TRIPP |