

## Department-wise Sponsored Research Projects Undertaken Through IRD Unit During FY 2019-20

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.	RP03744G	Design, Fabrication and Testing of a High Efficiency Vertical Axis Wind Turbine (VAWT) and optimization of VAWT Farm. (MHRD Sponsored Main project Under UAY Scheme)	Ministry of Human Resource & Development India	182.70	18-05-2019	17-05-2022	S V Veeravalli Dept. of Applied Mechanics	Dept. of Applied Mechanics
2.	MI01948N	Design, Fabrication and Testing of a High Efficiency Vertical Axis Wind Turbine (VAWT) and optimization of VAWT Farm (Sub Project under UAY project #RP03744 I)	Industrial Boilers Ltd. India	95.50	18-05-2019	17-05-2022	S V Veeravalli Dept. of Applied Mechanics	Dept. of Applied Mechanics
3.	MI01946G	Design, Fabrication and Testing of a High Efficiency Vertical Axis Wind Turbine (VAWT) and optimization of VAWT Farm (Sub Project under UAY project #RP03744 I)	Ministry of New & Renewable Energy India	87.20	18-05-2019	17-05-2022	S V Veeravalli Dept. of Applied Mechanics	Dept. of Applied Mechanics
4.	RP03830G	Wearable soft robotics for Upper Limb Muscle Power Augmentation with BMI interface-A proof of concept study	Dept. of Defence Research and Development India	80.63	27-11-2019	26-11-2020	Sitikantha Roy Dept. of Applied Mechanics	Dept. of Applied Mechanics

5.	RP03783G	India_Africa S&T Collaborative Initiative for Africa Centers of Excellence (ACE)	Department of Science & Technology India	55.27	29-05-2019	28-05-2021	Sanjeev Sanghi Dept. of Applied Mechanics	Dept. of Civil Engineering
6.	RP03811G	Study of Airwake and its control over flight deck of aircraft carrier for safe aircraft landing operations	Naval Research Board, Directorate of Naval R&D, Mi India	44.38	03-10-2019	02-10-2021	Sawan Suman Sinha Dept. of Applied Mechanics	Dept. of Applied Mechanics
7.	RP03839G	A numerical study of submesoscale processes driven by river plumes in the Bay of Bengal region	Science and Engineering Research Board (SERB), DST India	26.18	15-11-2019	14-11-2021	Vamsi Krishna Chalamalla Dept. of Applied Mechanics	Dept. of Applied Mechanics
8.	RP03897G	Self-folding and supercoiling in elastic rods with application to biomolecules	Science and Engineering Research Board (SERB), DST India	26.04	26-02-2020	25-02-2023	Ajeet Kumar Dept. of Applied Mechanics	Dept. of Applied Mechanics
9.	RP03883F	Scientific research in the field of solid mechanics	Nokia Solutions & Networks Oy Finland	23.30	22-01-2020	21-01-2025	Gaurav Singh Dept. of Applied Mechanics	Dept. of Applied Mechanics
10.	RP03875G	Non-modal Stability of Free Surface Fluid Flows	Science & Engineering Research Board, DST India	6.60	31-01-2020	30-01-2023	Arghya Samanta Dept. of Applied Mechanics	Dept. of Applied Mechanics
11.	RP03869G	Numerically solving a singular integral equation when the reciprocal of the solution lies in the integrand	Science and Engineering Research Board (SERB), DST India	6.60	21-02-2020	20-02-2023	Gaurav Singh Dept. of Applied Mechanics	Dept. of Applied Mechanics

**Dept. of Biochemical Engineering & Biotechnology**

12.	RP03828G	PAVITRA GANGA - Unlocking wastewater treatment, water re-use and resource recovery opportunities for urban and peri-urban areas in India	Department of Biotechnology India	217.73	21-10-2019	20-10-2022	T R Sreekrishnan Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
13.	RP03879G	GenomeIndia: Cataloguing the Genetic Variation in Indians	Department of Biotechnology, Ministry of Sc.& Tech India	140.00	16-01-2020	15-01-2023	D Sundar Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
14.	RP03790G	p53 in regulation of Epithelial-Mesenchymal Transition in breast cancer: role of micro-RNA (Indo-Russian Joint Project)	Department of Science & Technology (International Bilateral Cooperation Division), India Russian Science Foundation, Russia Collaborating Institutes : Russian Academy of Sciences, Russia	96.30	21-08-2019	20-08-2022	Ritu Kulshrestha Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
15.	RP03814G	Novel laccases for degradation of complex dyes for textile waste water treatment	Department of Biotechnology, Ministry of Sc.& Tech India	68.86	01-10-2019	30-09-2022	Saroj Mishra Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
16.	RP03846G	Molecular basis of asphaltene biotransformation by a microbial consortium	Department of Biotechnology, Ministry of Sc.& Tech India	55.88	14-10-2019	13-10-2022	Preeti Srivastava Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology

17.	RP03745G	Catalyzing diagnostic technology innovation from bench to bedside	Ministry of Human Resource & Development India	47.44	30-04-2019	29-04-2021	Ravi Krishnan Elangovan Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
18.	RP03918G	Dissecting the mechanism and role of polyploidy associated alternative splicing in liver aging and disease	Department of Biotechnology India	42.50	16-02-2020	15-02-2025	Ishaan Gupta Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
19.	RP03920G	Dissecting the role of somatic polyploidy in the regulation of gene expression associated with liver disease	Science and Engineering Research Board (SERB), DST India	28.71	12-03-2020	11-03-2022	Ishaan Gupta Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
20.	MI01920G	Deciphering the role of ACC deaminase producing bacteria in mediating stress tolerance in Cajanus cajan against Fusarium wilt ( NPDFship of Dr. Annapurna Bhattacharjee)	Science and Engineering Research Board (SERB), DST India	22.37	01-05-2019	30-04-2021	Shilpi Sharma Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
21.	RP03922G	Preparation of feather keratin Zinc sulphide (ZnS) nano composites material for water purification application. (Women scientist project awarded to Dr. Aditi Banerjee) [Project transferred from IIT Guwahati]	Department of Science & Technology` India	19.86	06-03-2020	05-10-2021	Shaikh Ziauddin Ahammad Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology

22.	MI02082G	Effect of heavy metal pollution on antibiotic resistance (MBLs/ESBL) proliferation ( NPDFship of Dr. Parveen Sultana)	Science and Engineering Research Board (SERB), DST India	19.20	04-12-2019	03-12-2021	T R Sreekrishnan Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
23.	MI02201G	B-ACER fellowship	Indo-US Science and Technology Forum (IUSSTF) India	10.51	19-02-2020	18-07-2020	Ashish Misra Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
24.	MI01942G	Identification and functional characterization of hypoxia regulated long non-coding RNAs (lncRNAs) in glioblastoma (CSIR DIRECT RAShip of Dr. Shivani Sharma)	Council of Scientific & Industrial Research (CSIR) India	4.52	01-04-2019	31-03-2020	Ritu Kulshrestha Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
<b>Dept. of Chemical Engineering</b>								
25.	RP03776G	DST - IITD Energy Storage Platform on Batteries (ESPOB) (Multi Institutional Project)	Ministry of Science & Technology, DST India	1087.07	01-07-2019	30-06-2024	Anil Verma Dept. of Chemical Engineering	Dept. of Chemical Engineering
26.	RP03804G	Platform for production of affordable biopharmaceuticals: Ranibizumab as a case study	Biotechnology Industry Research Assistance Council (BIRAC) India	203.90	18-09-2019	17-09-2021	Anurag Singh Rathore Dept. of Chemical Engineering	Dept. of Chemical Engineering
27.	RP03817G	Development of hierarchical novel catalyst for one pot conversion of CO2 rich synthesis gas to Dimethyl Ether and scale-up Studies	Department of Science & Technology India	169.21	10-10-2019	09-10-2021	Kamal Kishore Pant Dept. of Chemical Engineering	Dept. of Chemical Engineering

28.	RP03819G	Design, Development and Demonstration of 1kW (1kWh) Vanadium Redox Flow Battery for Stationary Application	Department of Science & Technology` India	144.71	11-10-2019	10-10-2022	Anil Verma Dept. of Chemical Engineering	Dept. of Chemical Engineering
29.	RP03913G	Catalyst Development for Methanol and DME Production via CO2 Hydrogenation	GAIL (India) Limited India	90.29	06-03-2020	05-03-2022	Kamal Kishore Pant Dept. of Chemical Engineering	Dept. of Chemical Engineering
30.	RP03844G	Integrated CO2 absorption and conversion to methanol in slurry phase reactors using metal complexes as catalyst	Department of Science & Technology India	90.25	09-10-2019	08-10-2022	Sreedevi Upadhyayula Dept. of Chemical Engineering	Dept. of Chemical Engineering
31.	RP03845G	Development of an economical production process for rHu biosimilar insulin (Joint Project with CSIR-NCL, Pune)	Biotechnology Industry Research Assistance Council (BIRAC) India	80.00	14-10-2019	13-10-2022	Anurag Singh Rathore Dept. of Chemical Engineering	Dept. of Chemical Engineering
32.	RP03902RG	Heterogeneous Catalysis in Complex Reaction Environments to Produce Bio-renewable Chemicals: Understanding Fundamental Challenges towards Commercialization	Science & Engineering Research Board, DST India	79.79	26-02-2020	25-02-2023	Mohammad Ali Haider Dept. of Chemical Engineering	Dept. of Chemical Engineering
33.	RP03836G	Development and Deployment of Redox-flow Battery Energy Storage for Rural Electrification	Ministry of Human Resource & Development India	76.35	07-11-2019	06-11-2021	Anil Verma Dept. of Chemical Engineering	Dept. of Chemical Engineering
34.	RP03781G	Development and Deployment of Redox-flow Battery Energy Storage for Rural Electrification	Ministry of Human Resource & Development India	76.35	23-07-2019	22-07-2022	Anil Verma Dept. of Chemical Engineering	Dept. of Chemical Engineering

35.	RP03917G	Synthesis of Artificial Sweeteners and High Value Chemicals from Biorenewable Resources using Noble Metal Aerogel Catalysts	Science and Engineering Research Board (SERB), DST India	55.50	16-03-2020	15-03-2023	Kamal Kishore Pant Dept. of Chemical Engineering	Dept. of Chemical Engineering
36.	RP03799F	Heat Transfer Analysis of Methane Steam Reforming Reactions Through Particle-Resolved CFD Simulations (HeTrAPaR-cfd)	Haldor Topsoe A/S Denmark	55.25	13-09-2019	12-09-2022	Vivek Vitthal Buwa Dept. of Chemical Engineering	Dept. of Chemical Engineering
37.	RP03821G	Vertically oriented graphene nano sheets on graphite for high specific capacity ultra capacitor electrode	Department of Science & Technology` India	50.08	24-09-2019	23-09-2022	Anupam Shukla Dept. of Chemical Engineering	Dept. of Chemical Engineering
38.	RP03903G	Multi-objective scheduling of marine access refinery with continuous-time formulation using evolutionary algorithms	Science and Engineering Research Board (SERB), DST India	33.04	26-02-2020	25-02-2023	Manojkumar Charandas Ramteke Dept. of Chemical Engineering	Dept. of Chemical Engineering
39.	RP03915G	Acute decompensated heart failure prediction using Machine Learning algorithm	Department of Biotechnology India	28.25	29-02-2020	28-02-2022	Anurag Singh Rathore Dept. of Chemical Engineering	Dept. of Chemical Engineering
40.	RP03837G	A Bayesian approach to fault detection, isolation and causality detection of multi-modal systems	BRNS, Department of Atomic Energy India	27.04	24-11-2019	23-11-2022	Hariprasad Kodamana Dept. of Chemical Engineering	Dept. of Chemical Engineering

41.	MI02137G	Novel Process for Production of Fuels and Building Block Chemicals from Biorenewable Resources Using 2D Dichalcogenides (NPDF ship of Ms. shireen Quereshi)	Science and Engineering Research Board (SERB), DST India	22.37	09-01-2020	08-01-2022	Kamal Kishore Pant Dept. of Chemical Engineering	Dept. of Chemical Engineering
42.	RP03805G	Development of a separation process to get narrowly distributed Polycarbosilane (PCS)	DMSRDE, DRDO India	19.99	19-09-2019	18-09-2021	Sudip Kumar Pattanayek Dept. of Chemical Engineering	Dept. of Chemical Engineering
43.	RP03888N	Impact of Air Pollution on Solar Power	ReNew Power India	18.60	12-02-2020	11-02-2021	Vikram Singh Dept. of Chemical Engineering	Dept. of Chemical Engineering
44.	RP03822G	Sustainable resource recovery through optimal treatment and use of petroleum industry wastewater in an algal-bacterial biorefinery model (SUR3ESCE-Joint Project with IIT Kharagpur )	Department of Science & Technology India	15.36	18-10-2019	17-10-2021	Kamal Kishore Pant Dept. of Chemical Engineering	Dept. of Chemical Engineering
45.	RP03833G	Design of photoelectrochemical water splitting reactor for hydrogen production by solar energy	NTPC, Ltd., Noida Uttar Pradesh India	4.40	05-11-2019	04-11-2021	Anil Verma Dept. of Chemical Engineering	Dept. of Chemical Engineering
46.	MI02062G	Continuous processing for purification of biotech therapeutics (Direct Research Associate-ship of Dr. Nikhil Kateja )	Council of Scientific & Industrial Research (CSIR) India	0.20	01-10-2019	30-09-2020	Anurag Singh Rathore Dept. of Chemical Engineering	Dept. of Chemical Engineering



Dept. of Chemistry								
47.	RP03815G	Earth Abundant Metal Based Electrode Materials for Energy storage applications.	Department of Science & Technology India	64.73	08-10-2019	07-10-2022	Ashok Kumar Ganguli Dept. of Chemistry	Dept. of Chemistry
48.	RP03892G	Synthesis and catalytic studies of water soluble transition metal and main group element based sustainable catalysts for organic transformations	Science & Engineering Research Board, DST India	40.12	10-02-2020	09-02-2023	Anil Jacob Elias Dept. of Chemistry	Dept. of Chemistry
49.	RP03885G	Alloying and Doping of lead-free halide-based double perovskites for optoelectronic applications	Science and Engineering Research Board (SERB), DST India	38.61	06-02-2020	05-02-2023	Sameer Sapra Dept. of Chemistry	Dept. of Chemistry
50.	RP03848G	Silylium ion Induced Multi Functionalization and Its Applications to Total Synthesis	Science and Engineering Research Board (SERB), DST India	36.00	15-11-2019	14-11-2021	Chinmoy Kumar Hazra Dept. of Chemistry	Dept. of Chemistry
51.	RP03866G	Studies on the regulation by stress induced small RNAs in Deinococcus radiodurans	BRNS, Department of Atomic Energy India	33.38	02-08-2019	01-08-2022	Tanmay Dutta Dept. of Chemistry	Dept. of Chemistry
52.	RP03841G	Catalytic Installation of Stereodefined C-F Bond	Science and Engineering Research Board (SERB), DST, India	33.11	14-11-2019	13-11-2021	Sudipta Raha Roy Dept. of Chemistry	Dept. of Chemistry

53.	RP03919G	Glycoside decorated platinum functionalized gold nanoparticles: A therapeutic strategy in the pursuit of prospective cancer cell-selective nanomedicine (women scientist project awarded to Dr. Shipra Yadav)	Ministry of Science & Technology, DST India	32.02	24-02-2020	23-02-2023	Jai Deo Singh Dept. of Chemistry	Dept. of Chemistry
54.	RP03886G	Decoding the Mechanism of Formation and Composition of Solid Electrolyte Interphase (SEI) in Ionic Liquids-based Li-ion Batteries by Employing Combined ab initio and All-atom Molecular Dynamics Simulations	Science and Engineering Research Board (SERB), DST India	28.82	14-02-2020	13-02-2023	Hemant Kumar Kashyap Dept. of Chemistry	Dept. of Chemistry
55.	RP03748G	Liposomes for control release of health promoting factors such as multivitamins (Vit D, A, B 9 and B 12 ), omega 3 fatty acids and bioactives (bacosides)	Ministry of Human Resource & Development India	28.79	30-04-2019	29-04-2021	Sunil Kumar Khare Dept. of Chemistry	Dept. of Chemistry
56.	RP03720G	Synthesis and characterization of nanomaterials for thermoelectric applications (Women Scientist project awarded to Dr. Ved Vati Singh)	Department of Science & Technology` India	28.74	08-04-2019	07-04-2022	Nidhi Jain Dept. of Chemistry	Dept. of Chemistry

57.	RP03793G	Design and Generation of in situ Transition metal complexes with nitrogen containing Ligand and their exploration in regioselective C-C and C-Heteroatom bond Formation	BRNS, Department of Atomic Energy India	26.66	01-09-2019	31-08-2022	Ravi P Singh Dept. of Chemistry	Dept. of Chemistry
58.	MI02093G	Nanoemulsion Hydrogel Platform for Thermodynamic Stability and Enhanced Bioavailability of Curcumin from Curcuma longa for topical administration (NPDFship of Dr. Meena Bisht)	Science & Engineering Research Board, DST India	22.37	01-01-2020	31-12-2021	Siddharth Pandey Dept. of Chemistry	Dept. of Chemistry
59.	MI01939G	Studies on halocins as antimicrobial molecules from haloarchaea (CSIR SRAsip of Dr. Sumit Kumar)	Council of Scientific & Industrial Research (CSIR) India	20.41	01-04-2019	31-03-2022	Sunil Kumar Khare Dept. of Chemistry	Dept. of Chemistry
60.	RP03766G	Studies on the textile waste treatment by extremophilic bacterial laccase	Council of Scientific & Industrial Research (CSIR) India	11.21	20-06-2019	31-03-2020	Tanmay Dutta Dept. of Chemistry	Dept. of Chemistry
61.	RP03813G	Studies on the regulation by small RNAs in Microbacteria	Indian Council of Medical Research India	10.93	03-09-2019	02-09-2020	Tanmay Dutta Dept. of Chemistry	Dept. of Chemistry
62.	RP03760G	Synthesis, Spectroscopic Characterization and Reactivity Study of Mononuclear Late-Transition-Metal-Oxo Complexes	Council of Scientific & Industrial Research (CSIR) India	7.83	21-06-2019	31-03-2020	Sayantana Paria Dept. of Chemistry	Dept. of Chemistry

63.	RP03765G	Development of new water soluble main group, metal complex and organometallic catalysts for oxidation and related reactions	Council of Scientific & Industrial Research (CSIR) India	4.79	15-06-2019	31-03-2020	Anil Jacob Elias Dept. of Chemistry	Dept. of Chemistry
64.	MI01959G	Direct CSIR Research Associateship of Dr. Abhijeet Srivastava	Council of Scientific & Industrial Research (CSIR) India	4.52	15-05-2019	14-05-2020	Ravi P Singh Dept. of Chemistry	Dept. of Chemistry
65.	MI01941G	Designing single-track-etched functionalised Nanopore for Ionic transport ( Direct RAship of Dr. Shahla Imteyaz)	Council of Scientific and Industrial Research India	4.52	01-05-2019	30-04-2020	Pravin Popinand Ingole Dept. of Chemistry	Dept. of Chemistry
<b>Dept. of Civil Engineering</b>								
66.	RP03906F	Establishing a research program in India focused on evaluating safety of rural roads and highways	National Institute of Health, USA	102.60	19-02-2020	18-02-2022	Geetam Tewari Dept. of Civil Engineering	TRIPP
67.	RP03786G	Airborne Sensors for Disaster Management	Ministry of HRD/NDLI-IIT Kharagpur India	67.43	08-08-2019	07-08-2021	Vasant A Matsagar Dept. of Civil Engineering	Dept. of Civil Engineering
68.	RP03741G	Assessment of fire performance of structural elements and structural systems through conventional fire tests and hybrid fire simulation (Indo-Canadian Project)	Department of Science & Technology International Bilateral Cooperation Division, India Collaborating Institutes : University of Toronto, Canada, Carleton University, Canada Central Building Research Institute, India	59.99	03-05-2019	02-05-2021	Dipti Ranjan Sahoo Dept. of Civil Engineering	Dept. of Civil Engineering

69.	RP03912G	Influence of high-strength reinforcing steel and concrete on seismic performance of RC beam-column joints	Science and Engineering Research Board (SERB), DST India	58.50	19-03-2020	18-03-2023	Dipti Ranjan Sahoo Dept. of Civil Engineering	Dept. of Civil Engineering
70.	RP03831G	Analysis of Evacuation Options considering Citizen Mobility Patterns and Disaster Vulnerability in a Himalayan Region Transportation Network (Joint Project with IIT Ropar & IIT Palakkad)	National Mission On Himalayan Studies (NMHS) India	44.82	10-10-2019	09-10-2022	Manoj M Dept. of Civil Engineering	Dept. of Civil Engineering
71.	RP03914G	Metamaterial Impregnated Wind turbine tower for towards sustainable clean energy	Science and Engineering Research Board (SERB), DST India	44.10	28-02-2020	27-02-2023	Arnab Banerjee Dept. of Civil Engineering	Dept. of Civil Engineering
72.	MI01978G	Mechanical metamaterials for resilient infrastructure (INSPIRE Faculty Award transferred from IIT Jammu)	Department of Science & Technology` India	32.96	06-05-2019	12-08-2023	Arnab Dept. of Civil Engineering	Dept. of Civil Engineering
73.	RP03854G	Snakeskin-Inspired smart surfaces for man-made materials interacting with soils	Science and Engineering Research Board (SERB), DST India	31.47	31-12-2019	30-12-2021	Prashanth Vangla Dept. of Civil Engineering	Dept. of Civil Engineering
74.	RP03889G	Study on enhancing the removal of recalcitrant pharmaceuticals in simultaneous nitrification and denitrification system	Science and Engineering Research Board (SERB), DST India	30.83	14-02-2020	13-02-2022	Arya V Dept. of Civil Engineering	Dept. of Civil Engineering
75.	RP03859G	Structural Health Monitoring based on Bayesian Approach using Vibration Data	Science and Engineering Research Board (SERB), DST India	30.06	01-01-2020	31-12-2021	Sahil Bansal Dept. of Civil Engineering	Dept. of Civil Engineering

76.	RP03876G	Evaluation of Impact of Electronic Toll Collection System on Vehicular Emissions in India	National Highways Authority of India India	24.00	31-01-2020	30-07-2020	Sri Harsha Kota Dept. of Civil Engineering	Dept. of Civil Engineering
77.	MI02183G	Development of a nanoparticle based phytoremediation strategy for remediation of cadmium contaminated soil and exploration of its associated impacts on soil system (NPDF of Dr. Mansi Bakhsi)	Science and Engineering Research Board (SERB), DST India	19.20	28-02-2020	27-02-2022	Arun Kumar Dept. of Civil Engineering	Dept. of Civil Engineering
78.	RP03778G	Understanding toxicity and uptake of nanomaterials to edible plants during reuse of nanomaterials-contaminated wastewater as irrigation water	Department of Science & Technology International Bilateral Cooperation Division, India Collaborating Institutes : Yamagata University Japan	4.82	29-06-2019	28-06-2021	Arun Kumar Dept. of Civil Engineering	Dept. of Civil Engineering
79.	MI02008G	Biorefinery based approach for waste water treatment and screening of suitable algal strain for biofuel production (CSIR Direct RA ship of Dr. Ravindra Prasad)	Council of Scientific & Industrial Research (CSIR) India	4.52	23-08-2019	22-08-2020	Arvind Kumar Nema Dept. of Civil Engineering	Dept. of Civil Engineering

<b>Dept. of Computer Science &amp; Engg.</b>								
80.	RP03746G	Virtual Immersion in Under-water Sites	Department of Science & Technology` India	138.60	21-05-2019	20-05-2022	Subodh Kumar Dept. of Computer Science & Engg.	Dept. of Computer Science & Engg.
81.	RP03764G	Scalable Spatio-Temporal Measurement and Analysis of Air Pollution Data for Delhi-NCR using Vehicle-Mounted Sensors	Science and Engineering Research Board (SERB), DST India	127.47	01-07-2019	30-06-2022	Rijurekha Sen Dept. of Computer Science & Engg.	Dept. of Computer Science & Engg.
82.	RP03921G	Use of Artificial Intelligence to detect breast cancer on mammogram, and its use in the Indian population.	Department of Biotechnology,GOI India	54.32	27-02-2020	26-02-2023	Chetan Arora Dept. of Computer Science & Engg.	Dept. of Computer Science & Engg.
83.	RP03733G	Creating Accessible STEM documents	Ministry of Human Resource & Development India	54.03	03-05-2019	02-05-2021	Prem Kumar Kalra Dept. of Computer Science & Engg.	School of Information Technology
84.	RP03802F	Optimizing system performance and energy in multi-sensor visual perception systems	Indo-US Science and Technology Forum (IUSSTF) United States	33.52	13-09-2019	12-09-2021	Chetan Arora Dept. of Computer Science & Engg.	School of Information Technology
<b>Dept. of Design</b>								
85.	RP03868G	National Design Innovation Network	MHRD (through Indian Institute of Science) India	40.00	13-01-2020	31-03-2020	Srinivasan Venkataraman Dept. of Design	Dept. of Design
86.	RP03838N	Development and dissemination of Braille Factor Blocks: a kit to improve numeracy skills	Microsoft Corporation India Pvt. Ltd. India	29.27	25-11-2019	24-11-2020	P V Madhusudhan Rao Dept. of Design	School of Information Technology

<b>Dept. of Electrical Engineering</b>								
87.	RP03849G	Design and Development of Display source, projection & collimating optics and Camera for use in helmet mounted display and sight (HMDS)	DRDO, Ministry of Defence India	320.68	12-12-2019	11-06-2021	Mukul Sarkar Dept. of Electrical Engineering	Dept. of Electrical Engineering
88.	RP03730G	Physical Unclonable Function (PUF) based Application Specific IC (ASIC) by Technology-Circuit-System Co-Development for Strategic Applications	Office of the Principal Scientific Adviser, Gol India	132.30	30-04-2019	29-04-2022	Manan Suri Dept. of Electrical Engineering	Dept. of Electrical Engineering
89.	RP03826G	Physical Unclonable Function (PUF) for Electronic and Communication Security	Department of Science & Technology India	88.42	31-10-2019	30-10-2022	Manan Suri Dept. of Electrical Engineering	Dept. of Electrical Engineering
90.	RP03797G	Self-healing and energy-efficient Internet of Energy	Ministry of Human Resource & Development India	82.37	05-04-2019	04-04-2021	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering
91.	RP03904G	Biomolecular Circuit Design Using RNA Thermometers	Department of Biotechnology, Ministry of Sc.& Tech India	79.28	29-02-2020	27-02-2023	Shaunak Sen Dept. of Electrical Engineering	Dept. of Electrical Engineering
92.	RP03734G	Mission Innovation Challenge #7 : Affordable Heating and Cooling of Buildings Innovation challenges- Setting up of MI Resource Center at IIT Delhi.	Department of Science & Technology` India	75.47	05-05-2019	04-05-2022	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering



93.	RP03757G	Development of Advanced Neuromorphic- and Memory-Centric Computing Hardware	Science and Engineering Research Board (SERB), DST India	66.11	29-05-2019	28-05-2022	Manan Suri Dept. of Electrical Engineering	Dept. of Electrical Engineering
94.	RP03796G	Large-Signal RF Reliability Modeling and Characterization of Hot-Carrier Degradation in 10-nm FinFETs	Science and Engineering Research Board (SERB), DST India	64.50	29-08-2019	28-08-2022	Abhisek Dixit Dept. of Electrical Engineering	Dept. of Electrical Engineering
95.	RP03754G	Flexible inorganic devices for backplane and sensor node electronics	Science and Engineering Research Board (SERB), DST India	52.86	06-06-2019	05-06-2022	Madhusudan Singh Dept. of Electrical Engineering	Dept. of Electrical Engineering
96.	RP03820G	High Performance Magnetic Field Sensors based on WBG Materials and High Bandwidth Current Sensors for WBG based Power Converters	Ministry of Electronics and Information Technology India	42.17	18-07-2019	17-07-2022	Sumit Kumar Pramanick Dept. of Electrical Engineering	Dept. of Electrical Engineering
97.	RP03751G	Modelling & Control of Electromagnetic Levitation Systems	Science & Engineering Research Board, DST India	41.64	23-05-2019	22-05-2022	Mashuq-Un-Nabi Dept. of Electrical Engineering	Dept. of Electrical Engineering
98.	RP03710G	Synchrophasor Assisted Efficient Operation of Ancillary Services in Smart Grid	Ministry of Human Resource & Development India	40.54	05-04-2019	04-04-2021	Nilanjan Senroy Dept. of Electrical Engineering	Dept. of Electrical Engineering
99.	RP03747G	Design and development of modular multilevel converters for large scale grid connected Photovoltaic and Battery Energy storage systems	Department of Science & Technology India	33.80	23-05-2019	22-05-2022	Anandarup Das Dept. of Electrical Engineering	Dept. of Electrical Engineering
100.	RP03910G	Design of time domain ADCs with an improved linearity	Science & Engineering Research Board, DST India	33.59	26-02-2020	25-02-2023	Ankesh Jain Dept. of Electrical Engineering	Dept. of Electrical Engineering

101.	RP03856G	Integrated Magnetolectric Energy Harvesting and Wireless Power Transfer Devices for Wearable and Implantable Applications	Science and Engineering Research Board (SERB), DST India	32.97	03-01-2020	02-01-2022	Dhiman Mallick Dept. of Electrical Engineering	Dept. of Electrical Engineering
102.	RP03853G	Photon-phonon Interactions for Communications applications	Science and Engineering Research Board (SERB), DST India	31.54	20-12-2019	19-12-2021	Amol Choudhary Dept. of Electrical Engineering	Dept. of Electrical Engineering
103.	RP03801F	Study of various classification problems using frequency modulated continuous wave (FMCW) radar	Semiconductor Research Corporation United States	25.82	01-09-2019	31-08-2022	Seshan Srirangarajan Dept. of Electrical Engineering	Dept. of Electrical Engineering
104.	MI01964N	Extreme Classification (Unrestricted Grant )	Microsoft Research Lab India Pvt. Ltd. India	11.90	04-06-2019	30-06-2021	Sumeet Agarwal Dept. of Electrical Engineering	School of Information Technology
105.	RP03861G	Design and Development of Polar Encoder and Decoder for Robust Burst Wireless Communication	Bharat Electronics Limited India	10.48	25-05-2019	30-04-2020	saif k mohammed Dept. of Electrical Engineering	Dept. of Electrical Engineering
106.	MI02032G	Asean-India Research Training Fellowship (AI-RTF) awarded to Dr. Moe Moe Myint, Madalay Technological University, Myanmar	Department of Science & Technology`/FICCI India	4.80	01-01-2020	30-06-2020	Tapan Kumar Gandhi Dept. of Electrical Engineering	Dept. of Electrical Engineering
107.	RP03808G	Development of an ultra-precision XYZ positioning stage with real-time compensation of volumetric errors (Joint project with CSIR-CMERI, West Bengal)	Department of Science & Technology` India Participating Institute : CSIR-CMERI, West Bengal, India	0.86	21-08-2019	20-08-2021	Anandarup Das Dept. of Electrical Engineering	Dept. of Electrical Engineering

<b>Dept. of Humanities &amp; Social Sciences</b>								
108.	RP03887G	Behaviour based evaluation for reliable annotation in NLP	Science and Engineering Research Board (SERB), DST India	18.59	14-02-2020	13-02-2023	Ashwini J Vaidya Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
109.	RP03763F	Mechanisms of choosing pronouns in Hindi	Leverhulme Trust, uk Collaborating Institute : University of Stirling, UK	10.96	02-09-2019	01-09-2020	Samar Husain Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
110.	RP03898G	Evolutionary Implementation in Large Economies	Science and Engineering Research Board (SERB), DST India	6.60	03-03-2020	02-03-2023	Saptarshi Mukherjee Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
111.	RP03894G	Group based Humiliation, Social Identification and Justice Processes: A Multi-Method Investigation	Indian Council of Social Science Research India	4.30	01-01-2020	31-12-2020	Yashpal Ashokrao Jigdand Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
<b>Dept. of Management Studies</b>								
112.	RP03895G	Technical Textile Industry in India: Challenges and Opportunities	Ministry of Textiles(GOI) India	120.79	26-02-2020	25-03-2021	Smita Kashiramka Dept. of Management Studies	Dept. of Management Studies
113.	MI02063G	Platform Economies in Digital India: Assessing Implementation, Impact, Infrastructure and Aptitude	Ministry of Human Resource & Development India	11.00	30-04-2019	29-04-2022	P Vigneswara Ilavarasan Dept. of Management Studies	Dept. of Management Studies

114.	RP03824G	Assessment of Indian Higher Education Institutions in NIRF Ranking: A Comparative Analysis	Indian Council of Social Science Research India	10.50	23-10-2019	22-04-2021	Sushil Dept. of Management Studies	Dept. of Management Studies
<b>Dept. of Material Science &amp; Engineering/CPSE</b>								
115.	RP03807G	Synthesis of (Hydro-)Gels Bearing Organo-catalysts for the Use in Microfluidic Reactors	Department of Science & Technology International Bilateral Cooperationa Division, India DAAD Germany Collaborating Institute : University of Paderborn, Germany	14.90	26-06-2019	25-06-2021	Leena Nebhani Dept. of Material Science & Engineering/CPE	Dept. of Material Science & Engineering/CPE
116.	RP03806G	High Performance Aqueous Redox Flow Batteries based on Redox Active Polymers and Janus membranes	Department of Science & Technology India	48.39	21-09-2019	20-09-2022	Bijay Prakash Tripathi Dept. of Material Science & Engineering/CPSE	Dept. of Material Science & Engineering/CPSE
117.	RP03803F	Design of Anti(bio-) Fouling Block Copolymer Membranes by Molecular functionalization for Clean Water Generation	Alexander von Humboldt Foundation Germany	44.00	12-09-2019	11-09-2022	Bijay Prakash Tripathi Dept. of Material Science & Engineering/CPSE	Dept. of Material Science & Engineering/CPSE
118.	RP03855G	Development Of Photo-Triboelectric Nanogenerator (PTENG) For Sustainable Green Energy Harvesting From Mechanical Motion And Solar Energy.	Science & Engineering Research Board, DST India	31.88	31-12-2019	30-12-2021	Ankur Goswami Dept. of Material Science & Engineering/CPSE	Dept. of Material Science & Engineering/CPSE

119.	RP03852G	Magneto-transport in ferromagnetic nanowire networks and Device applications	Science and Engineering Research Board (SERB), DST India	30.91	20-12-2019	19-12-2021	Nirat Ray Dept. of Material Science & Engineering/CPSE	Dept. of Material Science & Engineering/CPSE
120.	RP03756G	Development of Engineered Non-woven Textured Surfaces for Gum Pad Cleaning of Infants	Indian Council of Medical Research India	29.89	24-05-2019	23-05-2021	Bhabani Kumar Satapathy Dept. of Material Science & Engineering/CPSE	Dept. of Material Science & Engineering/CPSE
<b>Dept. of Mathematics</b>								
121.	RP03884G	Average and Relavent Sampling in Reproducing Kernel subspace of Mixed Lebesgue Space	Science and Engineering Research Board (SERB), DST India	28.80	07-02-2020	06-02-2023	Sivananthan Sampath Dept. of Mathematics	Dept. of Mathematics
122.	RP03900G	Existence and regularity of positive solutions of elliptic and parabolic double phase equations	Science and Engineering Research Board (SERB), DST India	6.60	21-02-2020	20-02-2023	Konijeti Sreenadh Dept. of Mathematics	Dept. of Mathematics
123.	RP03899G	Valuing variable annuities with lifelong guarantees	Science and Engineering Research Board (SERB), DST India	6.60	31-01-2020	30-01-2023	S Dharmaraja Dept. of Mathematics	Dept. of Mathematics
124.	RP03896G	Stable Numerical Schemes for Relativistic Fluid and Plasma Flows	Science and Engineering Research Board (SERB), DST India	6.60	19-02-2020	18-02-2023	Harish Kumar Dept. of Mathematics	Dept. of Mathematics
125.	RP03785G	Fourier algebras on ultraspherical hypergroups	Science and Engineering Research Board (SERB), DST India	6.60	01-08-2019	31-07-2022	N Shravan Kumar Dept. of Mathematics	Dept. of Mathematics

126.	RP03736G	SStudy of new types of continued fractions & applications	Science and Engineering Research Board (SERB), DST India	6.60	15-03-2019	14-03-2022	Ritumoni Sarma Dept. of Mathematics	Dept. of Mathematics
127.	RP03735G	Matching and Its Variations: Structural and Algorithmic Study	Science and Engineering Research Board (SERB), DST India	6.60	27-03-2019	26-03-2022	Bhawani Sankar Panda Dept. of Mathematics	Dept. of Mathematics
128.	RP03792G	Finite Element Methods for Variational Inequalities of the Second Kind	Council of Scientific & Industrial Research (CSIR) India	5.72	01-04-2019	31-03-2022	Kamana Porwal Dept. of Mathematics	Dept. of Mathematics
<b>Dept. of Mechanical Engineering</b>								
129.	RP03931G	ASEAN PhD Fellowship Program Secretariat	Ministry of Human Resource & Development India	927.8	31-03-2020	30-03-2027	Nomesh Bhojkumar Bolia Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
130.	RP03916G	Technology Innovation Hub (TIH) on Cobotics	Ministry of Science & Technology, DST India	725.00	03-03-2020	02-03-2025	Subir Kumar Saha Dept. of Mechanical Engineering	Office the Director
131.	RP03924G	Development of a Health and Usage Monitoring System (HUMS) for armored vehicles	Science and Engineering Research Board (SERB), DST India	89.27	19-12-2019	18-12-2022	Ashish Kamalakar Darpe Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
132.	RP03789G	Mitigation of Air Pollution: Micro to Macro Scale study of Particle capture by liquid droplets	Department of Science & Technology` India	62.08	19-08-2019	18-08-2022	Dr (Ms ) Bahni Ray Dept. of Mechanical Engineering	Dept. of Mechanical Engineering

133.	RP03770G	Pressurized drop tube furnace experiments towards obtaining high-pressure kinetics of Indian coals and coal blends	Science and Engineering Research Board (SERB), DST India	49.28	11-07-2019	10-07-2022	Mayank Kumar Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
134.	RP03809G	An Integrated Framework for Gearbox Prognosis with Multiple Sensors, Funded by Aeronautical Research Development Board	Aeronautics R&D Board, Ministry of Defence India	42.05	04-10-2019	03-10-2021	Ashish Kamalakar Darpe Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
135.	RP03901N	Design and development of a low cost artisan-friendly gas furnace prototype to be piloted in the bell metal cluster of Odisha	All India Artisans and Craftworkers Welfare Association India	11.88	24-02-2020	24-08-2020	M R Ravi Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
136.	RP03758G	Development of state of art Simulation Software Programme for assessing real time performance with different rolling stock based on their respective vehicle dynamics behavior on different track conditions for Indian Railways	Research Designs & Standards Organization (RDSO) Lucknow, Ministry of Railways India	3.84	11-10-2019	10-04-2020	Subir Kumar Saha Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
137.	MI02002G	Investigation of interfacial stability of small scale floating rafts (CSIR-SRAs) of Dr. Majinder Singh)	Council of Scientific & Industrial Research (CSIR), National S & T HRD Division India	0.60	14-08-2019	13-10-2020	Supreet Singh Bahga Dept. of Mechanical Engineering	Dept. of Mechanical Engineering

Dept. of Physics								
138.	RP03829G	To Establish Sophisticated Analytical and Technical Help Institute (SATHI) at IIT Delhi	Department of Science & Technology India	12500.00	04-11-2019	03-11-2022	Pankaj Srivastava Dept. of Physics	Central Research Facility
139.	RP03773G	Study of nanoscale electrical properties of 2D/2D and 2D/3D interfaces for solar energy, photoconductivity and Thermometric applications	Department of Science & Technology India	431.58	15-07-2019	14-07-2022	Bodh Raj Dept. of Physics	Dept. of Physics
140.	RP03909G	Bio-Inspired Micro- and Nano-Textures Surfaces for Tunability and Directional Control of Sliding Friction	Ministry of Science & Technology, DST India	67.43	16-03-2020	15-03-2023	Jitendra Pratap Singh Dept. of Physics	Dept. of Physics
141.	RP03775F	Collaborative Research and Education under IIT Delhi- BNERC, Toyo University Joint Bio-Nano Mission Program (Phase - II).	Bio-Nano Electronics Research Centre, Toyo University Japan Japan	62.96	01-04-2019	31-03-2024	Joby Joseph Dept. of Physics	Dept. of Physics
142.	RP03752G	Investigation of low-frequency dynamics of magnetic skyrmions using highly sensitive III-V semiconductor hetrostructures based micro-Hall devices	Science & Engineering Research Board, DST India	61.00	23-05-2019	22-05-2022	Pintu Das Dept. of Physics	Dept. of Physics
143.	RP03784G	Novel Mechanism of laser energy absorption by ions	Science and Engineering Research Board (SERB), DST India	48.71	06-07-2019	05-07-2022	Amita Das Dept. of Physics	Dept. of Physics



144.	RP03738G	Doping-driven Tunable Multifunctionality in Half-Heusler Systems	Ministry of Human Resource & Development India	46.78	15-03-2019	14-03-2021	Ratanamala Chatterjee Dept. of Physics	Dept. of Physics
145.	RP03777G	Nanofabrication of sculptured thin films by a combination of glancing angle deposition and shadow sphere lithography and study their application in Nanophotonics and Biosensors	Ministry of Human Resource Development India	43.88	31-05-2019	30-05-2021	Jitendra Pratap Singh Dept. of Physics	Dept. of Physics
146.	RP03891G	Unravelling the role of charged defects in inorganic-organic (IO) hybrid perovskites at realistic conditions: A multi-scale modelling starting from hybrid DFT, GW, BSE combined with ab initio thermodynamics	Science and Engineering Research Board (SERB), DST India	43.01	19-02-2020	04-02-2023	Saswata Bhattacharya Dept. of Physics	Dept. of Physics
147.	RP03908G	Equilibrium Phases and Ordering Dynamics of Ferronematics and Bent Core Liquid Crystals	Science and Engineering Research Board (SERB), DST India	33.09	10-02-2020	09-02-2023	Varsha Banerjee Dept. of Physics	Dept. of Physics
148.	MI02175G	Large magnetoresistance with perpendicular anisotropy of MTJs for thermally stable and ultra-low power consuming next generation spintronic devices (NPDF of Dr. L. Saravanan)	Science and Engineering Research Board (SERB), DST India	22.37	09-12-2019	08-12-2022	Sujeet Chaudhary Dept. of Physics	Dept. of Physics

149.	RP03825G	JC Bose Fellowship of Prof. Anurag Sharma	Science and Engineering Research Board (SERB), DST India	14.50	01-11-2019	31-07-2020	Anurag Sharma Dept. of Physics	Dept. of Physics
150.	RP03870G	Nanostructured Si Rich Silicon Nitride Thin Films for Third Generation Solar Cell	Council of Scientific & Industrial Research (CSIR), National S & T HRD Division India	12.88	23-01-2020	22-01-2023	Pankaj Srivastava Dept. of Physics	Dept. of Physics
151.	RP03858G	Modelling binary spherical colloidal particles of limited valency with mobile linker	Science and Engineering Research Board (SERB), DST India	11.00	07-01-2020	06-01-2023	Sujin B Babu Dept. of Physics	Dept. of Physics
152.	RP03780G	Heavy flavour mesons in magnetized hadronic medium	Department of Science & Technology India	7.34	27-03-2019	26-03-2022	Amruta Mishra Dept. of Physics	Dept. of Physics
153.	RP03860G	Taking SUSY lightly: Exploring phenomenological viability of light singlet states in the context of non-minimal supersymmetric models	Science and Engineering Research Board (SERB), DST India	6.77	17-12-2019	16-12-2021	Pradipta Ghosh Dept. of Physics	Dept. of Physics
154.	RP03907G	Dipolar and Hydrodynamic Effects in Ferronematics	Science and Engineering Research Board (SERB), DST India	6.60	21-02-2020	20-02-2023	Varsha Banerjee Dept. of Physics	Dept. of Physics

**Dept. of Textile & Fibre Engineering**

155.	RP03714G	Direct 3D Bioprinting strategies to study articular cartilage development, degeneration and regeneration	Department of Biotechnology, Ministry of Sc.& Tech India	144.07	09-04-2019	08-04-2023	Sourabh Ghosh Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
156.	RP03771G	A sustainable technology development for multifunctional value addition to khadi fabric (an Indian textile heritage) using plant extract	Department of Science & Technology` India	54.36	01-04-2019	31-03-2022	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
157.	MI02163N	Development of Strong, Flexible & Light weight Fiber Reinforced Silica Aerogel Blankets & Shields as Fire retardant, thermal & acoustic insulation in Aerospace Application ( Sub project with separate funding under IMPRINT Project RP03715)	GE India Technology Centre Pvt. Ltd India	45.00	21-02-2019	20-02-2022	B K Behera Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
158.	RP03749N	Development of fabrics with durable Multifunctional effects	BIGPHI Technologies Pvt. Ltd., Bangalore India	27.86	20-05-2019	19-05-2021	Deepti Gupta Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering

159.	RP03842G	Scientific phenomenon behind the degradation and conservation of Warak printed textiles of Rajasthan and formulation of conservation procedures for storage and cleaning (Joint Project with IIT Delhi and Lady Irwin College, Delhi)	Ministry of Science & Technology, DST India	22.83	15-11-2019	14-11-2021	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
160.	RP03877G	Development of Computational Models of Mechanical Properties of Self-Similar Fibre Networks	Science & Engineering Research Board, DST India	6.60	16-01-2020	15-01-2023	Amit Rawal Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
161.	MI01933G	CSIR RAship of Dr. Kalyanashis Mandal	Council of Scientific & Industrial Research (CSIR), National S & T HRD Division India	4.52	05-04-2019	04-04-2020	Bhanu Nandan Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
162.	RP03871G	Real-time in situ monitoring of damage evolution in nonwoven materials using self-similar arrays of carbon nanotubes	Council of Scientific & Industrial Research (CSIR), National S & T HRD Division India	1.68	01-01-2020	31-12-2021	Amit Rawal Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
163.	MI02015G	Sustainable chemical finishing of textile materials via insitu green synthesis of inorganic nanoparticles [Direct Research Associate-ship of Dr. Shahid Ul Islam]	Council of Scientific & Industrial Research (CSIR), National S & T HRD Division India	0.60	13-09-2019	12-09-2020	Bhupendra Singh Butola Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering

**Centre for Applied Research in Electronics (CARE)**

164.	MI01937G	Studies on design of multi-band/wide-band invisibility cloaks for different polarization states (NPDF of Dr Archana Rajput)	Science and Engineering Research Board (SERB), DST India	19.20	22-04-2019	21-04-2021	Ananjan Basu Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
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**Centre for Atmospheric Sciences**

165.	RP03759G	High-resolution climate scenarios for basin-scale water resource management applications	National Mission for Clean Ganga, Ministry of Water Resources, New Delhi India	131.00	21-06-2019	20-06-2022	Somnath Baidya Roy Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
166.	RP03788G	Delhi Air Quality Experiment: A Paradigm Shift in Source Apportionment	Central Pollution Control Board., New Delhi India	45.65	01-08-2019	31-07-2021	Dilip Ganguly Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
167.	RP03767G	Implications of Arctic Sea Ice Melting on Tropical Climate	National Centre for Polar and Ocean Research India	41.43	03-07-2019	02-07-2022	Sandeep Sukumaran Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
168.	RP03768G	Assessment of the variability of physical oceanic parameters in the Arctic Ocean in response to the sea-ice melt using observations and numerical model	National Centre for Polar and Ocean Research India	39.02	01-07-2019	30-06-2022	Vimlesh Pant Centre for Atmospheric Sciences	Centre for Atmospheric Sciences

169.	MI02058G	Geophysical Flow Simulations with Geodesic Hexagonal Meshes (Inspire Faculty award transferred from IISER Pune)	Department of Science & Technology India	35.00	14-06-2019	13-06-2024	Sarvesh Kumar Dubey Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
170.	RP03840G	Investigation of Dry Air Intrusion over the Arabian Sea and Its Implications on Indian Summer Monsoon	Science and Engineering Research Board (SERB), DST India	14.66	20-11-2019	19-11-2021	Sandeep Sukumaran Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
171.	MI02132G	A long-term satellite-based observation analysis of aerosol-warm cloud interaction associated with meteorological condition over Indian region (NPDP of Dr. Sunny Kant)	Science & Engineering Research Board, DST India	14.40	20-01-2020	19-01-2022	Dilip Ganguly Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
<b>Centre for Automotive Research and Tribology (CART)/ITMMEC</b>								
172.	RP03827G	Novel composite polymeric adhesives based on fibers and nano-fillers for joining metals	Council of Scientific & Industrial Research (CSIR) India	9.28	01-11-2019	31-10-2022	Jayashree Bijwe Centre for Automotive Research and Tribology (CART)/ITMMEC	Centre for Automotive Research and Tribology (CART)/ITMMEC
<b>Centre for Biomedical Engineering</b>								
173.	RP03810G	MUCI pulsed DC derived exosomes for Cancer immunotherapy [Naturally derived nanoparticles for cancer immunotherapy]	Department of Biotechnology, Ministry of Sc.& Tech India	57.10	24-09-2019	23-09-2022	Jayanta Bhattacharyya Centre for Biomedical Engineering	Centre for Biomedical Engineering

174.	RP03832G	Re-engineering High-end Audiometric Devices for Robust and Affordable Audiological Testing - (Phase 2 of RP03140)	Indo German Science and Technology Centre (A bilateral institution of DST, India and Federal Ministry of Education and Reserach, Germany ) Collaborating Institutes : Technische University, Munchen Path Medical GmbH, Muchen AIIMS India	54.64	01-10-2019	30-09-2021	Dinesh Kalyanasundaram Centre for Biomedical Engineering	Centre for Biomedical Engineering
175.	RP03847G	Fallopian tube regeneration with colostrum-polymer nanofabricated biodrug	Department of Biotechnology India	49.83	23-09-2019	22-09-2022	Neetu Singh Centre for Biomedical Engineering	Centre for Biomedical Engineering
176.	RP03816G	Development and validation of standalone meter for non-invasive salivary glucose quantification	Biotechnology Industry Research Assistance Council (BIRAC) India	42.09	09-08-2019	08-02-2021	Sandeep Kumar Jha Centre for Biomedical Engineering	Centre for Biomedical Engineering
177.	RP03881G	Development of Functional Polymer based Aptasensor for the Simultaneous Detection of Multiple Food Pathogens (Women Scientist project awarded to Dr. Sruthi Chattopadhyay)	Ministry of Health & Family Welfare, Gol, New Delhi India	33.69	04-02-2020	03-02-2023	Harpal Singh Centre for Biomedical Engineering	Centre for Biomedical Engineering

178.	RP03905G	Development of methodology for quantitative multi-parametric MRI and evaluating its potential along with Machine Learning in classification of brain tumor and treatment follow up	Science and Engineering Research Board (SERB), DST India	30.28	03-03-2020	02-03-2023	Anup Singh Centre for Biomedical Engineering	Centre for Biomedical Engineering
179.	RP03857F	Collaborative research project between Translational Research Centre Hiroshima University and Centre for biomedical Engineering IIT Delhi.	Hiroshima university Japan Collaboarting Institutes : Hiroshima university, Japan AIIMS, India	24.00	01-01-2020	31-03-2020	Harpal Singh Centre for Biomedical Engineering	Centre for Biomedical Engineering
<b>Centre for Energy Studies (CES)</b>								
180.	RP03743F	Design and Demonstration of Sustainable Building Infrastructure (under Centre of Excellence for Sustainable Infrastructure)	Yardi Systems, USA United States	670.97	01-06-2019	31-05-2022	Ashu Verma Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
181.	RP03794G	Demonstration of Effective Technology Solutions to eliminate and use waste from municipal drains in Delhi	Office of the Principal Scientific Adviser, Gol India	444.70	01-08-2019	31-07-2021	Satyananda Kar Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
182.	RP03753G	Development of a methanol-gasoline fuelled spark ignition engine	Science and Engineering Research Board (SERB), DST India	71.27	22-05-2019	21-05-2022	K A Subramanian Centre for Energy Studies (CES)	Centre for Energy Studies (CES)



183.	RP03762G	Development of tools and techniques for Future Unbalanced Distribution System Operation: with Integration of RES, EVs, BESS and Demand Side Management (DUDS)	Science and Engineering Research Board (SERB), DST India	50.74	01-07-2019	30-06-2022	Ashu Verma Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
184.	RP03769G	Model Development and Analysis of Flash Boiling Sprays for Internal Combustion Engines	Science and Engineering Research Board (SERB), DST India	49.93	24-06-2019	23-06-2022	Kaushik Saha Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
185.	RP03893G	Thermochemical Conversions of Lignocellulosic Biomass/Wastes into Bioenergy and Biofuels with its Utilization in Internal Combustion Engine	Department of Science & Technology India	42.49	24-02-2020	23-02-2023	K A Subramanian Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
186.	RP03755G	Sustainable Technologies for Distributed Level Application and Energy Support to Rural Development-II (STAR-II)	Department of Science & Technology International Bilateral Cooperation Division, India Collaborating Institutes : Fondazione Bruno Kessler ARES Italy IIT Roorkee, India	36.82	13-06-2019	12-06-2022	Dibakar Rakshit Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
187.	RP03864G	Development of Reliable and Efficient Utility Scale Photovoltaic Inverter for Indian Environment	Science and Engineering Research Board (SERB), DST India	32.41	03-01-2020	02-01-2022	Sumit Kumar Chattopadhyay Centre for Energy Studies (CES)	Centre for Energy Studies (CES)

188.	MI01960G	Analysis of Silicon thin films for the application of high efficiency HIT solar cells (NPDF of Dr. Mansi Sharma )	Science and Engineering Research Board (SERB), DST India	22.37	28-05-2019	27-05-2021	Vamsi Krishna Komarala Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
189.	RP03872F	Power to the People: Democratising energy through decentralised manufacture and production of affordable, reliable, sustainable solar power (SUNRISE-2)	Global Challenges Research Fund (GCRF), UK Collaborating Institute : Swansea University, UK	21.06	20-12-2019	19-12-2023	Sandeep Kumar Pathak Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
190.	MI02004G	NPDF of Dr. Rahul Kumar	Science and Engineering Research Board,(DST) India	19.20	02-09-2019	01-09-2021	Sandeep Kumar Pathak Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
191.	RP03812G	Thermal analysis of underground vegetable storage structure during winter seasons at Leh-Ladakh	Defence Institute of High Altitude Research, DRDO India	10.00	01-10-2019	31-03-2021	S K Tyagi Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
192.	MI01953G	Towards an understanding of photophysics and electronic transport properties in perovskite solar cells for better efficiency and service lifetime (CSIR Direct RA-ship of Dr. Aniket Rana)	Council of Scientific & Industrial Research (CSIR), National S & T HRD Division India	4.52	31-05-2019	30-05-2020	Supravat Karak Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
193.	RP03874N	Atmospheric Water Generator	GREEN CURATION Company, New Delhi India	2.20	26-12-2019	25-12-2021	S K Tyagi Centre for Energy Studies (CES)	Centre for Energy Studies (CES)

**Centre for Rural Development Technology (CRDT)**

194.	RP03795G	Livelihood generation through technology intervention for sustainable harnessing of neem fruit and hemp	Department of Science & Technology India	76.47	28-08-2019	27-08-2022	Vivek Kumar Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
195.	RP03800G	Sustainability analysis for Piped Water Network	Public Health Engineering Dept., Govt. of M.P India	74.50	17-09-2019	12-09-2021	Vivek Kumar Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
196.	RP03750G	Design-Development-Evaluation of Aptamer based High sensitive-Low cost kits for the detection of mycotoxins	Department of Science & Technology` India	35.70	20-06-2019	19-06-2021	Hariprasad P Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
197.	RP03834G	Development of termiticidal formulation derived from extractives of termite resistant plants and their endophytes (Women Scientist project awarded to Dr. Kanika Chowdhary)	Department of Science & Technology` India	32.02	01-11-2019	31-10-2022	Satyawati Sharma Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
198.	RP03772G	Concentrating Solar-Thermophilic Anaerobic Reactor for Municipal Solid Waste (COSTARMSW	Department of Science & Technology International Bilateral Cooperation Division, India Collaborating Institutes : Brunel University London, UK NIT Trichy, India	21.60	08-07-2019	07-07-2021	Virendra Kumar Vijay Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)

199.	RP03740G	Participatory Technology implementation and capacity building in the rural clusters under Unnat Bharat Abhiyan program	Oil and Natural Gas Corporation India	14.96	08-05-2019	07-05-2020	Vivek Kumar Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
200.	MI02174G	Research Training Fellowship - Developing Countries Scientist (RTF-DCS) awarded to Mr. Meseret Abebe Wakjira, Ethiopian Institute of Agricultural Research	Department of Science & Technology/FICCI India	3.50	01-03-2020	31-08-2020	Ram Chandra Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
201.	RP03787G	Development of freeform and large size aspheric optics for thermal and optical imaging	DRDO, Ministry of Defence India	418.49	13-08-2019	12-08-2024	Gufran Sayeed Khan Centre for Sensors, Instrumentation and Cyber Physical Systems Engineering/IDDC	Centre for Sensors, Instrumentation and Cyber Physical Systems Engineering
<b>Centre for Sensors, Instrumentation and Cyber Physical Systems Engineering/IDDC</b>								
202.	RP03791G	Development of scanning Shack-Hartmann wavefront sensor for in-situ measurement of aspheric and freeform optical surfaces	Department of Science & Technology India	45.39	13-08-2019	12-08-2021	Gufran Sayeed Khan Centre for Sensors, Instrumentation and Cyber Physical Systems Engineering/IDDC	Centre for Sensors, Instrumentation and Cyber Physical Systems Engineering/IDDC

**School of Biological Sciences**

203.	RP03867G	Study of The Erythroid and Megakaryocyte Lineages Under Normal Development and Pathological Myeloproliferation	Wellcome Trust/DBT India Alliance India	374.19	01-01-2020	31-12-2024	Anita Roy School of Biological Sciences	School of Biological Sciences
204.	RP03818G	Porting of Sanjeevini (a complete Drug Design software suite) on High Performance Computing based NSM Platform and creation of Computational Protein Data Bank (Co-PDB) for Drug targets.	Centre for Development of Advance Computing India	183.90	09-09-2019	08-09-2022	Aditya Mittal School of Biological Sciences	School of Biological Sciences
205.	RP03873G	Funds for Improvement of S&T Infrastructure in Universities and Higher Educational Institutes (FIST) Grant for School of Biological Sciences	Department of Science & Technology India	165.00	24-01-2020	23-01-2025	Bishwajit Kundu School of Biological Sciences	School of Biological Sciences
206.	RP03843G	To identify pharmacological agents for treatment of non-alcoholic fatty liver disease (NAFLD) and uncover the regulatory mechanisms that maintain metabolic homeostasis upon NAFLD-associated injury and liver surgery (Ramalingaswami Fellowship)	Department of Biotechnology India	42.50	05-11-2019	04-11-2024	Shilpi Minocha School of Biological Sciences	School of Biological Sciences

207.	RP03761G	Monitoring disassembly of viral capsids and nucleocapsids using all atom and coarse grained molecular dynamics simulations	Department of Biotechnology India	32.57	27-06-2019	26-06-2022	Manidipa Banerjee School of Biological Sciences	School of Biological Sciences
208.	MI02091G	Understanding the mechanism of survival of Salmonella typhimurium by targeting the host Rab GTPase(s) via miRNAs (CSIR Direct SRA-ship of Dr. Jitendra Kumar Verma)	Council of Scientific & Industrial Research (CSIR) India	29.68	16-12-2019	15-12-2022	Amitabha Mukhopadhyay School of Biological Sciences	School of Biological Sciences
209.	RP03850G	Studies on LIGAND 'BINDING', 'GATING' and 'ALLOSTERY' in Heteropentameric Neuronal Nicotinic Acetylcholine Receptors	Science and Engineering Research Board (SERB), DST India	27.39	28-11-2019	27-11-2021	Tapan Kumar Nayak School of Biological Sciences	School of Biological Sciences
210.	MI01981G	Exploiting the cell cycle regulatory role of CedA in Salmonella typhi pathogenesis and drug resistance (NPDF of Dr. Kritika )	Science and Engineering Research Board (SERB), DST India	22.37	01-05-2019	30-04-2021	Bishwajit Kundu School of Biological Sciences	School of Biological Sciences
211.	RP03731G	Modulation of intracellular trafficking in macrophages by Leishmania. (Project transferred from NII to IITD)	Science and Engineering Research Board (SERB), DST India	11.85	01-01-2019	25-03-2020	Amitabha Mukhopadhyay School of Biological Sciences	School of Biological Sciences

212.	RP03851G	Role of rab5 isoforms in the regulation of various types of endocytosis (Project Transferred from National Institute of Immunology)	Department of Biotechnology, Ministry of Sc.& Tech India	7.67	22-11-2019	21-01-2020	Amitabha Mukhopadhyay School of Biological Sciences	School of Biological Sciences
213.	MI01950G	CSIR Direct Research Associateship of Miss. Anjali Kapoor	Council of Scientific & Industrial Research (CSIR) India	5.82	20-05-2019	19-05-2020	Amitabha Mukhopadhyay School of Biological Sciences	School of Biological Sciences
214.	RP03779G	Exploring Moonlight Enzyme, Glutamate Racemase, Of Neisseria Gonorrhoeae As A Target For Anti-Gonococcal Drug Discovery	Indian Council of Medical Research India	5.56	16-08-2019	15-08-2022	Bishwajit Kundu School of Biological Sciences	School of Biological Sciences
215.	RP03798G	Regulation of insulin signaling by dephosphorylation of AS160 and GSK3beta and its possible implication in insulin resistant diabetes in neuronal cells in vitro.	Council of Scientific & Industrial Research (CSIR), National S & T HRD Division India	5.04	16-08-2019	31-03-2020	Chinmoy Sankar Dey School of Biological Sciences	School of Biological Sciences
216.	RP03823G	Investigating the molecular mechanism of inhibition of dialysis related amyloidosis involving amyloid fibrils formation by beta-2 micro globulin using molecules of herbal origin such as curcumin, EGCG, and resveratrol	Council for Scientific & Industrial Research India	4.58	17-10-2019	31-03-2020	Tapan Kumar Chaudhuri School of Biological Sciences	School of Biological Sciences

<b>School of Public Policy</b>								
217.	RP03835F	Enhancing India's Policy Analysis Capabilities to Meet Energy and Environment Challenges	Children Investment Fund Foundation -UK (Funded through Indian Office)	532.50	04-11-2019	03-11-2022	Ambuj D Sagar School of Public Policy	School of Public Policy
218.	RP03774F	Improving Skilling, Signaling and Safety in the Indian Labour Market	The University of Chicago United States	17.11	10-07-2019	09-07-2020	Nandana Sengupta School of Public Policy	School of Public Policy

### **Department-wise Sponsored Non-Research Projects Undertaken Through IRD Unit During FY 2019-20**

(Book writing, Conferences, Meetings, Workshops/Courses, Lecture Series, Award –Prize/ranking evaluations etc.)

<b>S.No.</b>	<b>Project No.</b>	<b>Title</b>	<b>Sponsoring Agency</b>	<b>Sanctioned Funds (Rs. Lacs)</b>	<b>Start Date</b>	<b>Scheduled Completion Date</b>	<b>PI/Department</b>	<b>Project Department</b>
<b>Dept. of Biochemical Engineering &amp; Biotechnology</b>								
1.	MI01992G	Organizing INAE Youth Conclave 2019 at IIT Delhi	Indian National Academy of Engineering India	15.00	08-08-2019	31-10-2019	Shaikh Ziauddin Ahammad Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
2.	MI02161G	Indo-Italian Workshop on Circular Economy (Waste to Wealth)	Department of Science & Technology India	13.33	17-02-2020	16-04-2020	T R Sreekrishnan Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology



<b>Dept. of Chemical Engineering</b>								
3.	MI02013G	21st PAC-CEE Meeting of Chemical and Environmental Engineering AT IIT Delhi during 23-24.09.2019	Science and Engineering Research Board (SERB), DST India	14.00	19-09-2019	18-03-2020	Divesh Bhatia Dept. of Chemical Engineering	Dept. of Chemical Engineering
4.	MI01955G	17th National Workshop on Catalysis for Clean Energy and Sustainable Future during 31.05.2019 and 01.06.2019 at IIT Delhi	Catalysis Society Of India India	5.00	01-05-2019	30-06-2019	Kamal Kishore Pant Dept. of Chemical Engineering	Dept. of Chemical Engineering
5.	MI02149G	International Conference on Smart Materials for Sustainable Technology 2020 (Funded by SERB and CSIR)	Science and Engineering Research Board (SERB), DST & CSIR India	3.50	26-12-2019	25-05-2020	Shalini Gupta Dept. of Chemical Engineering	Dept. of Chemical Engineering
<b>Dept. of Computer Science &amp; Engg.</b>								
6.	RP03878N	Book Writing Grant from Intel	Intel Technology India Pvt. Ltd India	1.78	30-01-2020	29-01-2025	Smruti Ranjan Sarangi Dept. of Computer Science & Engg.	Dept. of Computer Science & Engg.
7.	RP03882N	Book Writing Grant from Qualcomm	Qualcomm India Pvt. Ltd. India	1.78	07-02-2020	06-02-2025	Smruti Ranjan Sarangi Dept. of Computer Science & Engg.	Dept. of Computer Science & Engg.
8.	RP03865N	Book Writing Grant from AMD	AMD India Bangalore, Karnataka India	0.70	09-01-2020	08-01-2025	Smruti Ranjan Sarangi Dept. of Computer Science & Engg.	Dept. of Computer Science & Engg.

<b>Dept. of Design</b>								
9.	MI01974G	Smart India Hackathon 2019 Hardware Edition Finals	Ministry of Human Resource & Development India	50.00	01-07-2019	31-10-2019	Srinivasan Venkataraman Dept. of Design	Dept. of Design
10.	MI02067N	Empower 2019- Accessibility And Inclusion	Microsoft Corporation India Pvt. Ltd. India	28.92	01-10-2019	30-09-2020	P V Madhusudhan Rao Dept. of Design	School of Information Technology
<b>Dept. of Electrical Engineering</b>								
11.	RP03880G	Facilitation of Global Cooling Prize by DST Mission Innovation program	Department of Science & Technology` India	329.43	20-01-2020	19-01-2022	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering
12.	MI01975G	20th International Conference on Intelligent Systems Applications to Power Systems (ISAP) - 2019	Science & Engineering Research Board, DST India	37.80	01-07-2019	31-03-2020	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering
13.	MI01980G	7th Expert Committee Meeting of First Start-up Research Grant (SRG) - Engineering Science in the sub-Are of Electronics Engineering, Computer Science Engineering, Mechanical Engineering & Civil Engineering for evaluation and funding support of SRG new proposals	Science and Engineering Research Board (SERB), DST India	10.34	05-06-2019	04-12-2019	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering

14.	MI02034G	The Interaction meeting with stake holders to discuss on Indo-EU call & Mission Innovation challenge 7: Affordable heating and Cooling on Buildings meeting	Department of Science & Technology` India	9.50	16-10-2019	15-03-2020	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering
15.	MI01944G	Expert Panel for Review of ongoing MI-India Funding Opportunity Announcement (FOA): Smart Grids, Joint Virtual Centre for Clean Energy & Smart Grids and Energy Storage Technologies for Research & Development projects	Department of Science & Technology` India	8.00	08-05-2019	07-11-2019	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering
16.	MI02148G	13th Expert Committee meeting of Engineering Sciences (Young Scientist scheme) in the Domain Area of Material Engineering for Review of Ongoing / completed projects	Science and Engineering Research Board (SERB), DST India	7.90	23-01-2020	22-06-2020	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering
17.	MI02003G	The meeting of Expert panel and Screening Committee - TRC	DST-UKIERI India	7.00	26-08-2019	25-01-2020	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering
18.	MI02114G	Expert Panel for Review of ongoing projects on "Technology Solutions for Mitigating Air Pollution"	Department of Science & Technology India	5.00	09-01-2020	08-06-2020	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering

19.	MI01934G	The Review Meeting of Expert Committee	Department of Science & Technology` India	4.00	15-04-2019	14-08-2019	Sukumar Mishra Dept. of Electrical Engineering	Dept. of Electrical Engineering
20.	MI02006G	DST Meeting for SARASWATI 2.0 under India- EU Water project	Department of Science & Technology` India	3.66	06-09-2019	05-09-2020	Bijaya Ketan Panigrahi Dept. of Electrical Engineering	Dept. of Electrical Engineering
21.	MI02005G	Expert Committee Meeting for the Evaluation of BRICS R&D Proposals in the area of New and Renewable Energy	DST-UKIERI India	2.39	31-08-2019	30-08-2020	Bijaya Ketan Panigrahi Dept. of Electrical Engineering	Dept. of Electrical Engineering
22.	MI02140G	9th meeting of Program Management Board PURSE Program	Department of Science & Technology` India	1.71	27-01-2020	26-04-2020	Madhusudan Singh Dept. of Electrical Engineering	Dept. of Electrical Engineering
23.	MI02101G	Financial assistance for the organizing International Conference on "12th International Conference on Communication Systems and Networks (COMCOMSNETS2020)"	Science and Engineering Research Board (SERB), DST India	1.50	31-12-2019	30-01-2020	Swades Kumar De Dept. of Electrical Engineering	Dept. of Electrical Engineering
<b>Dept. of Humanities &amp; Social Sciences</b>								
24.	MI02064N	Reproduction, Demography and Cultural Anxieties in India and China in the 20th Century	Population Foundation of India India	13.50	16-11-2019	15-05-2020	Sarbeswar Sahoo Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences

25.	MI02066G	Pradhan Mantri Innovative Learning Program {PMILP-DHRUV} during 10.10.2019 To 24.10.2019 for Encouraging Gifted and Talented Children	Department of School Education & Literacy, MHRD India	12.00	14-10-2019	30-12-2019	Pritha Chandra Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
26.	MI02079F	Winter School for Graduate Students	University of Groningen, Netherlands Netherlands	3.57	15-12-2019	14-12-2020	Sarbeswar Sahoo Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
27.	MI02141G	Co-shaping of Science, Technology and Society: Pedagogic traditions in Science and Technology Studies and Integrated S&T education in India, IASc. lecture workshop	Indian Academy of Sciences, Bengaluru India	1.26	31-01-2020	30-07-2020	Naveen Thayyil Kamalvddin Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
<b>Dept. of Material Science &amp; Engineering/CPSE</b>								
28.	MI02146G	6th PAC Meeting of Materials, Mining and Minerals Engineering at IIT Delhi during 28.02.2020 to 29.02.2020.	Science & Engineering Research Board, DST India	8.80	01-02-2020	31-01-2021	Bijay Prakash Tripathi Dept. of Material Science & Engineering/CPSE	Dept. of Material Science & Engineering/CPSE
29.	MI02041G	To Conduct the 5th PAC Meeting of Materials, Mining and Minerals Engineering at IIT Delhi during 23.11.2019	Science & Engineering Research Board, DST India	6.00	05-11-2019	04-11-2020	Bijay Prakash Tripathi Dept. of Material Science & Engineering/CPSE	Dept. of Material Science & Engineering/CPSE

**Dept. of Mechanical Engineering**

30.	MI02154G	International Workshop on Intelligent Robot Teammates for Complex Mission in Unstructured Environments during March 5-6, 2020 at IIT Delhi	Department Of Defence Research & Development, Ministry Of Defence India	24.00	10-02-2020	09-02-2021	Subir Kumar Saha Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
31.	MI02177N	Clean Air City Ranking and Awards (CERCA)	Alumini IIT Delhi, CERCA India	12.00	01-02-2020	31-08-2020	Nomesh Bhojkumar Bolia Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
32.	MI02057G	7th PAC Meeting of Civil and Mechanical Engineering	Science and Engineering Research Board (SERB), DST India	9.00	07-11-2019	06-12-2019	Kaushik Mukherjee Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
33.	MI02166G	To Organize the 8th PAC Civil and Mechanical Engineering, SERB-DST	Science and Engineering Research Board (SERB), DST India	6.50	10-02-2020	09-06-2020	Pulak Mohan Pandey Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
34.	MI02069G	Ballistic Materials Manufacturing & Modeling - SPARC Sponsored Short Term Course (Under the project #RP03697)	Department Of Defence Research & Development, Ministry Of Defence India	6.00	22-11-2019	21-11-2022	Naresh Bhatnagar Dept. of Mechanical Engineering	Dept. of Mechanical Engineering

35.	MI01949G	Expert Committee Meeting on Engineering & Technology Development under Women Scientist Scheme-B (WOS-B) at IIT Delhi on 04-06-2019	Department of Science & Technology` India	3.94	21-05-2019	20-09-2019	Pulak Mohan Pandey Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
36.	MI02039N	Co-Curricular and Academic Interaction Council (CAIC) (Sub-Project under MI00995)	Neel Metal Products Limited India	1.83	01-07-2019	31-07-2020	Amit Gupta Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
<b>Dept. of Physics</b>								
37.	MI01997G	International workshop on "The Impact of THz Technologies (IWITT-2019)	DRDO, Ministry of Defence India	24.00	27-08-2019	26-11-2019	Amartya Sengupta Dept. of Physics	Dept. of Physics
38.	MI02142G	National Consultative Meeting on Quantum Materials and Devices in IIT Delhi on 29.11.2019	TIFAC, Department of Science & Technology India	5.06	29-11-2019	28-07-2020	Rajendra Singh Dept. of Physics	Dept. of Physics

**Dept. of Textile & Fibre Engineering**

39.	MI01998G	Meeting of Program Advisory Committee (PAC) on Technology Development Program (TDP) of DST for further evaluation of shortlisted/recommended Agro-Tech proposals after initial screening at IIT Delhi during August 21-22,2019.	DST-UKIERI India	18.45	16-08-2019	13-02-2020	Bipin Kumar Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
40.	MI01999G	Meeting of Sub-committee at DST on 10th and 19th August 2019	DST-UKIERI India	18.40	09-08-2019	08-02-2020	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
41.	MI02014G	DST Brainstorming Meeting of Scientific Advisory Committee on Science and Heritage Research Initiative (SHRI) at IIT Delhi	Ministry of Science & Technology ,DST India	15.40	25-09-2019	24-05-2020	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
42.	MI02001G	DST Apex Level Steering Committee Meeting on 29th August 2019	DST-UKIERI India	11.60	26-08-2019	25-04-2020	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
43.	MI01979G	Meeting of Apex Committee of DST on 17.07.2019	Department of Science & Technology` India	11.60	08-07-2019	07-01-2020	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering



44.	MI01991G	Meeting of Sub-committee on the Innovation, Technology Development and Deployment at DST on 07.08.2019.	Department of Science & Technology India	9.40	05-08-2019	04-02-2020	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
45.	MI01940G	DST Expert Panel Meeting for Evaluation of Research Stream on Optimum Water Use in Industrial Sector' at IIT Delhi during 30.04.2019 to 01.05.2019	Department of Science & Technology India	9.01	24-04-2019	23-10-2019	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
46.	MI01989G	DST PAC Meeting on 30th - 31st July 2019 at IIT Delhi under the Call 'Optimum Water Use in Industrial Sector'	Department of Science & Technology` India	7.50	25-07-2019	24-01-2020	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
47.	MI01961G	Expert Panel Committee Meeting on Consideration of Two Revised Consortia Received against WTI Urban Water System (UWS) Program at IIT Delhi on 07.06.2019	Department of Science & Technology` India	5.31	31-05-2019	29-11-2019	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
48.	MI02011G	Interaction Meeting of Secretary, DST with Science Correspondents Delhi NCR on Department's Activities and Achievements	Department of Science & Technology` India	4.40	07-09-2019	06-07-2020	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering

49.	MI02070G	To Organizing Expert Panel for Evaluation of the Technology Deployment on Solar based Smart Villages with Focus on Drinking Water, Agricultural Operations and Micro Grid System in State of Orissa, at IIT Delhi on 29.11.2019	Department of Science & Technology` India	2.45	25-11-2019	24-07-2020	Md S Wazed Ali Dept. of Textile & Fibre Engineering	Dept. of Textile & Fibre Engineering
<b>Central Library</b>								
50.	MI01996G	NDLI-UNESCO International Symposium on Knowledge Engineering for Digital Library Design 2019 (KEDL-2019)	Ministry of HRD/NDLI-IIT Kharagpur India	30.00	17-07-2019	16-07-2020	Nabi Hasan Central Library	Central Library
<b>Centre for Applied Research in Electronics (CARE)</b>								
51.	MI02117G	PAC Meeting of Chemical & Environmental Engineering on 31.01.2019 at IIT Delhi	Science and Engineering Research Board (SERB), DST India	4.60	27-01-2020	26-04-2020	Samaresh Das Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)

<b>Centre for Biomedical Engineering</b>								
52.	MI01963G	WAQM 3rd Project Monitoring Committee Meeting for IUSSTF	Indo-US Science and Technology Forum (IUSSTF)	0.72	08-06-2019	07-09-2019	Sandeep Kumar Jha Centre for Biomedical Engineering	Centre for Biomedical Engineering
<b>School of Public Policy</b>								
53.	RP03742G	Women in S&T in India: A public lecture/discussion series	Office of the Principal Scientific Adviser, GOI India	25.11	16-05-2019	15-05-2020	Ambuj D Sagar School of Public Policy	School of Public Policy
54.	MI02108G	Organizing meetings of the drafting Committee and the Core Committee on Scientific Ministries, Industry and Academia during 11.01.2020 & 18.01.2020 at New Delhi	Department of Science & Technology` India	11.89	06-01-2020	05-07-2020	Ambuj D Sagar School of Public Policy	School of Public Policy
55.	MI02165G	To Organize the Selection Committee Meeting at DST-Centre for Policy Research , IIT Delhi during 25.02.2020.	Department of Science & Technology` India	3.64	20-02-2020	19-05-2020	Ambuj D Sagar School of Public Policy	School of Public Policy

**Office of the Director**

56.	MI02172G	First Meeting of Reconstituted Expert Advisory Group for Biomedical Device and Technology development (BDTD) Program to Consider New Proposals and review the process of the Ongoing projects Funded Under the Program of BDTD of TDT division of DST during 2902.20 to 01.03.20	Department of Science & Technology` India	10.35	27-02-2020	26-03-2020	V Ramgopal Rao Office the Director	
57.	MI02147G	Presentation Meeting of Principle Investigators for Thematic Unit of Excellence in the Area Nano-agriculture at IIT Delhi on 12 & 13 Feb., 2020	Department of Science & Technology` India	10.00	07-02-2020	06-03-2020	V Ramgopal Rao Office the Director	
58.	MI02115G	Oganizing Presentation Meeting of Principle Investigators for Thematic Unit Of Excellence in the area of Quantum Materials for Novel Science and Applications at Indian Institute of Technology Delhi on 24th January, 2020"	Department of Science & Technology India	9.71	20-01-2020	19-02-2020	V Ramgopal Rao Office the Director	

59.	MI02061G	National Core Committee Meeting of Swaranjayanti Fellowships Scheme	Department of Science & Technology India	8.56	15-11-2019	14-12-2019	V Ramgopal Rao Office the Director	
60.	MI01993G	4th Meeting of the Nano Applications and Technology Advisory Group (NATAG)	Department of Science & Technology India	6.50	19-08-2019	18-09-2019	V Ramgopal Rao Office the Director	
61.	MI02110G	Screening of proposal received under the Thematic proposal theme area- Nanotechnology fro Agriculture at India Institute of Technology - Delhi on 13.01.2020	Department of Science & Technology` India	0.85	13-01-2020	12-02-2020	V Ramgopal Rao Office the Director	