

Sponsored Research Projects Undertaken During the Financial Year 2015 – 16

(Based on data available in ACSS database on 11/4/2016)

S. No.	Project No.	Project Title	Sponsoring Agency	Sanctioned Funds (Rs. Lacs)	Start Date	Completion Date	Name of the Principal Investigator / Department	Project Department
Dept. of Applied Mechanics								
1.	RP03138	Atomistic Continuum Constitutive Modeling of Nano and Continuum Rods	Science and Engineering Research Board DST, India	23.40	01-01-2016	31-12-2018	AJEET KUMAR Dept. of Applied Mechanics	Dept. of Applied Mechanics
2.	RP03125	Spectral Finite Element Method for Damage Detection in Complete Plate and Shell Structure	Science and Engineering Research Board DST, India	26.23	23-11-2015	22-11-2018	BADRI PRASAD PATEL Dept. of Applied Mechanics	Dept. of Applied Mechanics
3.	RP03082	Study of Solid Solution Strengthening in Magnesium Alloys	Council of Scientific & Industrial Research India	9.74	01-10-2015	30-09-2018	JAYANT JAIN Dept. of Applied Mechanics	Dept. of Applied Mechanics
4.	RP03111	To Strengthen the Research Facilities in the Department of Applied Mechanics (Under FIST Scheme)	Department of Science & Technology (DST) India	257.00	09-10-2015	08-10-2020	PUNEET MAHAJAN Dept. of Applied Mechanics	Dept. of Applied Mechanics
5.	RP03088	Study of the Airwake and its Control Over Deck of Naval Ships for Safe Helicopter Operation	Naval Research Board, Ministry of Defence India	49.99	04-08-2015	03-08-2018	S.N. SINGH Dept. of Applied Mechanics	Dept. of Applied Mechanics
Dept. of Biochemical Engineering & Biotechnology								
6.	RP03133	Model Based Approach for Optimizing Recombinant Protein Synthesis in Continuous cultures of Pichia Pastoris	Department of Biotechnology, Ministry of Science & Technology, India	48.93	04-12-2015	03-12-2018	ATUL NARANG Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
7.	RP03127	Investigating Role of Ayurvedic Medicinal Plant Boerhavia Diffusa as a Therapeutic Drug for Treatment of Jaundice	Department of Science & Technology (DST) India	32.78	01-12-2015	30-11-2018	D.SUNDAR Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology

8.	RP03132	Metagenomic Isolation and Study of Novel D-amino Amidase Enzymes for Industrial Applications	Department of Science & Technology (DST) India	26.00	18-12-2015	17-12-2018	PRASHANT MISHRA Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
9.	RP03103	To Strengthen the Gear Engineering Research in the Department of DBEB (under Fist programme of DST)	Department of Science & Technology (DST) India	283.00	18-09-2015	17-09-2020	PRASHANT MISHRA Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
10.	RP03065	Biocatalytic Viscosity Reduction and Composition Improvement of Heavy Petroleum	Department of Biotechnology, Ministry of Science & Technology, India	44.31	01-06-2015	31-05-2018	PREETI SRIVASTAVA Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
11.	RP03137	Whole Cell Catalyzed Biotransformation for synthesis of Fructo Oligosaccharides	Department of Biotechnology, Ministry of Science & Technology, India	15.37	28-12-2015	27-12-2018	SAROJ MISHRA Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
12.	RP03079	Glycoconjugates Synthesis Using Environment Friendly Biocatalyst	Science and Engineering Research Board DST, India	32.00	10-07-2015	09-07-2018	SAROJ MISHRA Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
13.	RP03172	Synthesis and Characterization of CNT/PANI based Biodegradable Green Nano Hybrid Material and their Potential Applications	Science and Engineering Research Board DST, India	28.14	16-03-2016	15-03-2019	SHAIKH ZIAUDDIN AHAMMAD Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
14.	RP03129	Design & Development of Bioreactor for Degradation of explosives	DRDO, Ministry of Defence India	39.21	08-12-2015	07-12-2017	T.R.SREEKRISHNAN Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
Dept. of Chemical Engineering								
15.	RP03160	CFD Applications in Bioprocessing	ANSYS Software Pvt. Ltd. , India	10.00	22-02-2016	31-08-2017	ANURAG SINGH RATHORE Dept. of Chemical Engineering	Dept. of Chemical Engineering
16.	RP03126	Centre of Excellence for Bio-pharmaceutical Technology	Department of Biotechnology, Ministry of Science & Technology India	867.02	29-11-2015	28-11-2020	ANURAG SINGH RATHORE Dept. of Chemical Engineering	Dept. of Chemical Engineering

17.	RP03169	Preparation, performance analysis and modeling of dual layer catalysts for NOx reduction	Council of Scientific & Industrial Research, India	4.33	18-03-2016	17-03-2019	DIVESH BHATIA Dept. of Chemical Engineering	Dept. of Chemical Engineering
18.	RP03075	Perovskite Structure Nanoparticles for Solid Oxide Fuel Cell Electrodes	Council of Scientific & Industrial Research, India	0.25	29-06-2015	28-06-2018	MOHAMMAD ALI HAIDER Dept. of Chemical Engineering	Dept. of Chemical Engineering
19.	RP03177	Development of Comprehensive Interactive Well Monitoring Software Tool for Drilling Supervisors	Institute of Drilling Technology, ONGC India	47.61	12-02-2016	11-02-2018	SHAIK ABDUL MUNAWAR Dept. of Chemical Engineering	Dept. of Chemical Engineering
20.	RP03066	Engineering of Droplet Manipulation in Tertiary Junction Microfluidic Channels	Asian Office of Aerospace Research and Development Japan	32.38	01-06-2015	31-05-2016	SHALINI GUPTA Dept. of Chemical Engineering	Dept. of Chemical Engineering
21.	RP03163	Process Studies for PBX Manufacture	T.B.R.L., D.R.D.O., Ministry of Defence India	9.84	01-03-2016	28-02-2017	SHANTANU ROY Dept. of Chemical Engineering	Dept. of Chemical Engineering
22.	RP03053	Feasibility Study of Improved 3-Phase Reactor Configuration for Hydroprocessing Applicants	Ministry of Petroleum & Natural Gas India	13.00	20-05-2015	19-11-2016	VIVEK VITTHAL BUWA Dept. of Chemical Engineering	Dept. of Chemical Engineering
Dept. of Chemistry								
23.	RP03068	Metal Chalcogenide Nano-Particles (NPs): One Pot synthesis Through Orhanochalcogen Ligands and Applications in sensors and Catalysis.	Department of Atomic Energy India	30.84	12-06-2015	11-06-2018	A.K. SINGH Dept. of Chemistry	Dept. of Chemistry
24.	RP03102	Functionalized Cobalt and Iron Sandwich Compounds: Synthesis, Catalytic and Mechanistic Studies of New Chiral and Achiral Ligands and their Metal Complexes	Science and Engineering Research Board DST, India	41.22	14-09-2015	13-09-2018	ANIL JACOB ELIAS Dept. of Chemistry	Dept. of Chemistry
25.	RP03113	Synthetic and Biological Studies of Macrolides: Amphidinolides	Science and Engineering Research Board DST, India	29.56	01-11-2015	31-10-2018	GHOLAP SHIVAJIRAO LAHU Dept. of Chemistry	Dept. of Chemistry

26.	RP03087	Computational Studies on Bulk and Interfacial Properties of Room Temperature Ionic Liquids and Their Mixtures	Science and Engineering Research Board DST, India	24.80	30-07-2015	29-07-2018	HEMANT KUMAR KASHYAP Dept. of Chemistry	Dept. of Chemistry
27.	RP03134	Diversity Oriented synthesis of Triazole and Tetrazole Fused Immonsugars and a Ring expansion strategy to Biologically active Six membered, seven membered and Bicyclic Nitrogen Heterocycles	Council of Scientific & Industrial Research India	3.58	01-01-2016	31-12-2018	N.G.RAMESH Dept. of Chemistry	Dept. of Chemistry
28.	RP03076	Development of Potent Small Molecule Inhibitors against depamine beta-Hydroxylase to Combat cardiovascular disease.	Department of Biotechnology, Ministry of Science & Technology, India	27.25	01-07-2015	30-06-2018	N.G.RAMESH Dept. of Chemistry	Dept. of Chemistry
29.	RP03096	Conjugates and Analogues of Antiviral Compound uY11	International Division, Dept. of Science & Technology	24.28	24-08-2015	23-08-2017	NIDHI JAIN Dept. of Chemistry	Dept. of Chemistry
30.	RP03081	Protein Conformation and Dynamics in Presence of Macromolecular Crowding agents in Room Temperature Ionic Liquids: Towards an Improved Medium for functional Biomolecules	Council of Scientific & Industrial Research, India	1.50	14-12-2015	13-12-2018	PRAMIT KUMAR CHOWDHURY Dept. of Chemistry	Dept. of Chemistry
31.	RP03083	carbon Based Hybrid nanostructures in Room Temperature Ionic Liquids for 'artificial Photo-synthesis'	Science and Engineering Research Board DST, India	45.64	22-07-2015	21-07-2019	PRAVIN POPINAND INGOLE Dept. of Chemistry	Dept. of Chemistry
32.	RP03124	Development of Metal-Catalyzed [3+2] Cyclization Reaction for the Synthesis of Biologically Active Ictaxane Diterpenoids	Science and Engineering Research Board DST, India	32.70	01-11-2015	31-10-2018	RAVI P. SINGH Dept. of Chemistry	Dept. of Chemistry
33.	RP03142	Synthesis, Characterization of lanthanide-based Phosphors as Special Converters in Solar Cells	Global Innovation & Technology Alliance (GITA) TAIWAN	31.49	04-01-2016	03-01-2019	SAMEER SAPRA Dept. of Chemistry	Dept. of Chemistry

34.	RP03105	Tuning the Emission in Doped and Codoped Nanocrystals: A single Particle study	Science and Engineering Research Board DST, India	34.62	17-09-2015	16-09-2018	SAMEER SAPRA Dept. of Chemistry	Dept. of Chemistry
35.	RP03094	Targeting Nucleic acid Binding Proteins (Adaptive Immune System Protein & Transcriptional Regulator protein) of Mycobacterium Tuberculosis for Efficient Drug Development	International Division, Dept. of Science & Technology	39.82	13-08-2015	12-08-2018	SHASHANK DEEP Dept. of Chemistry	Dept. of Chemistry
Dept. of Civil Engineering								
36.	RP03080	Monitoring & Management of Urban Flooding using a Crowd-sourcing Technique	International Division, Dept. of Science & Technology	46.40	20-07-2015	19-07-2018	A.K. GOSAIN Dept. of Civil Engineering	Dept. of Civil Engineering
37.	RP03158	Sustainable Cost Effective Treatment and Disposal of Effluents from Handloom Industry	Office of the Dev. Commissioner for Handlooms India	19.80	11-02-2016	10-10-2016	ARVIND KUMAR NEMA Dept. of Civil Engineering	Dept. of Civil Engineering
38.	RP03072	Investigation of Environment Flow Requirement Considering Water Quality Constraints	Science and Engineering Research Board DST, India	16.54	19-06-2015	18-06-2017	DHANYA C.T. Dept. of Civil Engineering	Dept. of Civil Engineering
39.	RP03058	Simultaneous Bus Route Network Design and Frequency Setting in Small and Medium Sized Cities Using Evolutionary Algorithm	Science and Engineering Research Board DST, India	16.69	18-05-2015	17-05-2018	RAMACHANDRA RAO KALAGA Dept. of Civil Engineering	Dept. of Civil Engineering
40.	RP03120	Investigation into the chemistry of admixtures and binders to improve their interaction	Chryso SAS France	17.23	16-11-2015	15-11-2016	SHASHANK BISHNOI Dept. of Civil Engineering	Dept. of Civil Engineering
41.	RP03121	development of supplementary cementitious materials for sustainable high performance concrete	JK Lakshmi Cement Limited India	16.99	16-11-2015	15-05-2017	SHASHANK BISHNOI Dept. of Civil Engineering	Dept. of Civil Engineering

42.	RP03153	Sensor based Security and Emergency Management System for Underground Metro Systems during Disaster Events (SenSE4Metro)	International Division, Dept. of Science & Technology	40.97	02-02-2016	01-02-2019	TANUSREE CHAKRABORTY Dept. of Civil Engineering	Dept. of Civil Engineering
43.	RP03063	Indigenous design and development of prototype base isolation systems for earthquake hazard mitigation	Department of Science & Technology (DST) India	16.13	13-05-2015	12-05-2018	VASANT A. MATSAGAR Dept. of Civil Engineering	Dept. of Civil Engineering
Dept. of Computer Science & Engineering								
44.	RP03114	Coherent Multi-document Summarization for Financial News	Bloomberg Inc. United States of America	27.30	21-10-2015	20-10-2016	MAUSAM Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
45.	RP03110	Asymmetric Relation Phrase Embeddings from Diverse Knowledge Sources	Google Inc. USA	32.00	25-09-2015	24-09-2020	MAUSAM Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
46.	RP03095	MSR India Virtual Centre - 2015 - Machine Learning	Microsoft India (R&D) Pvt. Ltd. India	12.84	13-08-2015	12-08-2016	RAHUL GARG Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
47.	RP03101	Characterization of Operating Systems for Intensive Workloads	NetApp India Pvt. Ltd India	12.50	07-09-2015	06-03-2017	SMRUTI RANJAN SARANGI Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
48.	RP03152	Research Award on I/O Virtualization (Programming Framework) for OS Functionality	VM ware Inc. United States of America	15.89	01-02-2016	31-01-2021	SORAV BANSAL Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
49.	RP03170	Four problems related to ADAS	Continental Automotive Components (India) Pvt. Ltd, India	29.88	16-03-2016	15-03-2017	SUBHASHIS BANERJEE Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
50.	RP03048	TV white Space Trails	Ministry of Communications & Information Technology, India	15.80	21-04-2015	20-07-2016	VINAY JOSEPH RIBEIRO Dept. of Computer Science & Engineering	Dept. of Computer Science & Engineering
Dept. of Electrical Engineering								
51.	RP03061	Design and Development of Fault Tolerant Modular Multi-Level Power Electronic Converters for Grid Connected Applications	Science and Engineering Research Board DST, India	39.47	01-06-2015	31-05-2018	ANANDARUP DAS Dept. of Electrical Engineering	Dept. of Electrical Engineering

52.	RP03162	Development of Optical Sensors and Sensor Systems Real Time Dredge Monitoring of Oil Spills	Ministry of Shipping & Transport India	149.24	04-02-2016	03-02-2019	ANUJ DHAWAN Dept. of Electrical Engineering	Dept. of Electrical Engineering
53.	RP03150	Integrated, Portable Systems for Rapid Diagnostics in Limited Resource Settings	Department of Biotechnology, Ministry of Science & Technology India	100.42	24-01-2016	23-01-2019	ANUJ DHAWAN Dept. of Electrical Engineering	Dept. of Electrical Engineering
54.	RP03055	Nano and Micro Structured Plasmonic Biochips for Enhanced Sensitivity of Surface Plasmon Resonance Imaging	Science and Engineering Research Board DST, India	52.51	24-05-2015	23-05-2018	ANUJ DHAWAN Dept. of Electrical Engineering	Dept. of Electrical Engineering
55.	RP03074	special manpower development Programme for Chips to system design (SMDP-C2SD)	Ministry of Communications & Information Technology India	150.46	18-05-2015	17-05-2020	BASABI BHAUMIK Dept. of Electrical Engineering	Dept. of Electrical Engineering
56.	RP03155	Design and Development of High-G MEMS Switch	DRDO, Ministry of Defence India	31.75	04-02-2016	03-11-2017	BHASKAR MITRA Dept. of Electrical Engineering	Dept. of Electrical Engineering
57.	RP03128	J.C. Bose Fellowship to Prof. Bhim Singh	Science and Engineering Research Board DST, India	68.00	01-12-2015	30-11-2020	BHIM SINGH Dept. of Electrical Engineering	Dept. of Electrical Engineering
58.	RP03157	Signal Feature Extraction for Identification and Classification of Encoded IF/Baseband Signal	DRDO, Ministry of Defence India	20.00	11-02-2016	10-10-2017	BREJESH LALL Dept. of Electrical Engineering	Dept. of Electrical Engineering
59.	RP03042	3D TV Signal Generation and Compression: A Machine Learning Based Approach	Science and Engineering Research Board DST, India	43.78	10-04-2015	09-04-2018	BREJESH LALL Dept. of Electrical Engineering	Dept. of Electrical Engineering
60.	RP03051	Investigation of emerging Non-Volatile Memory Technology for Storage and Computing Applications	Science and Engineering Research Board DST, India	54.07	08-05-2015	07-05-2018	MANAN SURI Dept. of Electrical Engineering	Dept. of Electrical Engineering
61.	RP03146	Design, Development and Control of Next Generation Power Converter for High Performance Electric Vehicle	Science and Engineering Research Board DST India	30.36	19-01-2016	18-01-2019	RAMKRISHAN MAHESHWARI Dept. of Electrical Engineering	Dept. of Electrical Engineering
62.	RP03091	Detection of Malware in Android Operated Mobile Phones Using Software and Hardware Features	Google India Pvt. Ltd. India	3.60	04-08-2015	03-08-2016	RANJAN BOSE Dept. of Electrical Engineering	Dept. of Electrical Engineering

63.	RP03070	Photovoltaic (PV) Based Grid Interactive and Off Grid Electricity System	International Division, Dept. of Science & Technology	9.44	13-06-2015	12-06-2018	SUKUMAR MISHRA Dept. of Electrical Engineering	Dept. of Electrical Engineering
64.	RP03060	Seizure Detection, Prediction and Evaluation: An Intelligent Model	Science and Engineering Research Board DST, India	50.55	25-05-2015	24-05-2018	TAPAN KUMAR GANDHI Dept. of Electrical Engineering	Dept. of Electrical Engineering
Dept. of Humanities & Social Sciences								
65.	RP03106	The Impact of Socio-Demographic Factors on Resilience in North Indian Adolescents	Indian Council of Social Science Research India	3.00	01-10-2015	30-09-2016	KAMLESH SINGH Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
66.	RP03131	Braj: Microvariation and Grammer Change in Hindi 'Dialects'	Indian Council of Social Science Research India	7.00	16-12-2015	15-12-2017	PRITHA CHANDRA Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
67.	RP03098	The Poverty Mortality Linkage in India: The Role of Social Pensions and Public Health Care for Different Social Groups	Indian Council of Social Science Research	4.90	26-08-2015	25-08-2017	SOURABH BIKAS PAUL Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
68.	RP03047	Assessing Value of Agro-Met Advisory Services of India Meteorological Department to Farmers in Haryana	South Asian Network for Development & Environmental Economics, Nepal	18.29	15-04-2015	14-01-2017	UPASNA SHARMA Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
Dept. of Management Studies								
69.	RP03156	Branding of National Knowledge Network	National Informatics Centre Services Inc., MCIT, India	54.00	01-03-2016	28-02-2017	HARISH CHAUDHRY Dept. of Management Studies	Dept. of Management Studies
Dept. of Mathematics								
70.	RP03069	Feature ranking and prediction of avalanches using unsupervised methods	Snow and Avalanche Study Establishment (SASE), India	7.20	15-06-2015	14-06-2016	B. CHANDRA Dept. of Mathematics	Dept. of Mathematics

71.	RP03107	Wavelet optimized compact finite different method for valuation of option	Science and Engineering Research Board DST, India	16.03	28-09-2015	27-09-2018	MANI MEHRA Dept. of Mathematics	Dept. of Mathematics
Dept. of Mechanical Engineering								
72.	RP03118	Numerical Investigation on the Regenerator of a Stirling Cryocooler	Solid State Physics Laboratory India	9.50	02-11-2015	01-11-2016	B. PREMACHANDRAN Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
73.	RP03073	Metallic Tumor Marker Clip for Breast Cancer: Design Development and Clinical Implications	Science and Engineering Research Board DST, India	39.14	24-06-2015	23-06-2018	NARESH BHATNAGAR Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
74.	RP03100	Sustainable Technologies for Distributed Level Application and Energy Support to Rural Development (ITPAR Phase-III)	International Division, Dept. of Science & Technology	22.48	03-09-2015	02-09-2017	SANJEEV JAIN Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
75.	RP03164	Dissemination of the Low Cost Sheep-hair Shearing Device Developed by IIT New Delhi	Central Wool Development Board, Ministry of Textiles India	32.94	23-02-2016	22-08-2017	SUBIR KUMAR SAHA Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
Dept. of Physics								
76.	RP03045	Design, Fabrication and Characterization of Liquid crystal based Integrated Optical Waveguide	Directorate of Extramural Research & Intellectual India	25.21	04-08-2015	03-08-2017	ALOKA SINHA Dept. of Physics	Dept. of Physics
77.	RP03090	Influence of Structural and Composition Defect on the Electronic and Photovoltaic Properties of CZTS based Thin Film Solar Cells	Department of Science & Technology (DST) India	58.43	17-08-2015	16-08-2018	BODH RAJ Dept. of Physics	Dept. of Physics
78.	RP03059	Exploring Compositional Modifications to Improve the Performance of Thin Film Solar Cells Based on Earth-Ebundant Kesterite Absorbers	International Division, Dept. of Science & Technology	39.72	01-05-2015	30-04-2018	BODH RAJ Dept. of Physics	Dept. of Physics

79.	RP03139	Development of Laser based Speckle-free Optical Devices using Liquid Crystals	Science and Engineering Research Board DST, India	28.50	18-12-2015	17-12-2018	DALIP SINGH MEHTA Dept. of Physics	Dept. of Physics
80.	RP03108	Full-field Single Shot Multiple Wavelength Interference Microscopy for Quantitative Imaging of Transparent Thin Film Multilayer Structures and Biological Cells	Board of Research in Nuclear Sciences DAE, India	25.01	05-10-2015	04-10-2018	DALIP SINGH MEHTA Dept. of Physics	Dept. of Physics
81.	RP03167	In-situ dynamic light scattering for biomolecular sensing	Department of Science & Technology (DST) India	25.35	03-02-2016	02-02-2019	GADDAM VIJAYA PRAKASH Dept. of Physics	Dept. of Physics
82.	RP03052	Modelling Plasma Instabilities and Transport in a Hall Thruster	Indo French Centre for Promotion of Adv. Research	49.07	07-05-2015	06-05-2018	HITENDRA KUMAR MALIK Dept. of Physics	Dept. of Physics
83.	RP02864	Terahertz Radiation Generation by Optical Rectification	DRDO, Directorate of Extramural Research & Intellectual Property Rights, DRDO, India	27.44	20-04-2015	19-04-2018	HITENDRA KUMAR MALIK Dept. of Physics	Dept. of Physics
84.	RP03161	Study and Fabrication of Photonic Crystal Structures with Defects by Combination of Holographic Lithography and Direct Laser Writing	Council of Scientific & Industrial Research India	3.66	01-01-2016	31-12-2018	JOBY JOSEPH Dept. of Physics	Dept. of Physics
85.	RP03086	Study and Fabrication of Chiral Photonic Metamaterial Structures	Science and Engineering Research Board DST, India	58.07	21-07-2015	20-07-2018	JOBY JOSEPH Dept. of Physics	Dept. of Physics
86.	RP03117	Synthesis of Semiconducting Nanostructure, Core-Shell Structures and its Composites for Efficient Photodegradation of Organic Dyes	Council of Scientific & Industrial Research India	5.66	01-10-2015	31-03-2016	NEERAJ KHARE Dept. of Physics	Dept. of Physics
87.	RP03056	Laser Assisted Synthesis of Composite Nanostructures for Targeted Applications in Sensing	International Division, Dept. of Science & Technology India	6.18	20-05-2015	19-05-2017	R.K. SONI Dept. of Physics	Dept. of Physics

88.	RP03078	Sample Preparation and Physical Properties of High-TC Superconductors and Heusler Alloys	Board of Research in Nuclear Sciences DAE, India	24.50	15-07-2015	14-07-2018	RAJENDRA SINGH DHAKA Dept. of Physics	Dept. of Physics
89.	RP03168	Growth and Characterization of Multiferroic Metal Organic Framework Bulk and Thin Films for Memory Device Applications	Department of Science & Technology (DST) India	28.38	08-03-2016	07-03-2019	RATANAMALA CHATTERJEE Dept. of Physics	Dept. of Physics
90.	RP03109	Novel Oxides: Preparation in Bulk & Thin Film form & Investigations for Multifunctional Properties	Science and Engineering Research Board DST, India	54.18	01-10-2015	30-09-2018	RATANAMALA CHATTERJEE Dept. of Physics	Dept. of Physics
91.	RP03089	Correlation between Magneto-transport Non-volatile Charge Memory and Electronic Structure of Nano-composite Films	Science and Engineering Research Board DST, India	36.38	01-08-2015	31-07-2018	SANTANU GHOSH Dept. of Physics	Dept. of Physics
Dept. of Textile Technology								
92.	RP03077	Engineering of Woven Fabrics for Ultra Violet Radiation Protection and Mitigation of Skin Cancer	International Division, Dept. of Science & Technology	15.64	01-07-2015	30-06-2018	ABHIJIT MUJUMDAR Dept. of Textile Technology	Dept. of Textile Technology
93.	RP03067	Thermo physiological Comfort Characteristics of Protective Clothing made of Natural Fibres Blends	International Division, Dept. of Science & Technology	11.26	05-06-2015	04-06-2017	APURBA DAS Dept. of Textile Technology	Dept. of Textile Technology
94.	RP03154	Novel Nano-silver polymer composite for bioactive technical textiles and plastics	Department of Science & Technology (DST) India	1197.10	15-03-2016	14-03-2021	ASHWINI K. AGARWAL Dept. of Textile Technology	Dept. of Textile Technology
95.	RP03165	Three Dimensional Fabrics for Medical Device Development Utilizing Nanofiber Technologies	International Division, Dept. of Science & Technology	4.28	30-06-2015	29-06-2017	B.K.BEHERA Dept. of Textile Technology	Dept. of Textile Technology
96.	RP03148	Polymer Crystallization under Tow-Dimensional Nano-scopic Cylindrical Confinement	Council of Scientific & Industrial Research India	1.58	01-02-2016	31-01-2019	BHANU NANDAN Dept. of Textile Technology	Dept. of Textile Technology

97.	RP03092	Testing and Evaluation of Multifunctional Polymeric Membrane for Decontamination and Disinfection of Drinking Water	Defence Materials & Stores R & D Establishment India	9.85	31-07-2015	30-07-2016	BHUVANESH GUPTA Dept. of Textile Technology	Dept. of Textile Technology
98.	RP03151	Development of Fibrous Filter Media to Inhibit Particle Bounce and Re-entrain in Automotive Engine Intake Air Filtration	Science and Engineering Research Board DST, India	27.86	15-02-2016	14-02-2019	DIPAYAN DAS Dept. of Textile Technology	Dept. of Textile Technology
99.	RP03043	Development of inherent flame retardant thermal insulation layer for extreme cold weather clothing	Directorate of Extramural Research & Intellectual Property Rights, DRDO India	36.61	10-04-2015	09-04-2018	R.S. RENGASAMY Dept. of Textile Technology	Dept. of Textile Technology
100.	RP03024	Water Based Polymerization and In-situ Fabrication of 3D Porous Scaffold	Science and Engineering Research Board DST, India	33.90	01-04-2015	31-03-2018	RAJIV K. SRIVASTAVA Dept. of Textile Technology	Dept. of Textile Technology
101.	RP03136	Simultaneous 3D Analysis of Osseo-Integration and Vascular Patency in Direct Write Scaffolds in VIVO	Science and Engineering Research Board DST, India	32.70	01-01-2016	31-12-2018	SOURABH GHOSH Dept. of Textile Technology	Dept. of Textile Technology
102.	RP03044	Silk-based Direct-write Scaffolds to Create Osteogenic Microenvironment	Department of Biotechnology, Ministry of Science & Technology India	43.40	15-05-2015	14-05-2018	SOURABH GHOSH Dept. of Textile Technology	Dept. of Textile Technology
Centre for Applied Research in Electronics (CARE)								
103.	RP03097	Design and Development of Automated Radio Relay Link Establishment System	Ministry of Defence India	36.00	11-05-2015	10-05-2017	SUNEET TULI Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
Centre for Atmospheric Sciences								
104.	RP03085	J.C. Bose Fellowship to Prof. Maithili Sharan	Science and Engineering Research Board DST, India	68.00	05-08-2015	04-08-2020	MAITHILI SHARAN Centre for Atmospheric Sciences	Centre for Atmospheric Sciences

105.	RP03022	Inverse Modelling for Source Estimation Based on Renormalization Approach	Indo French Centre for Applied Mathematics	0.00	01-04-2015	31-03-2017	MAITHILI SHARAN Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
106.	RP03071	Study of Atmospheric Aerosols Over NCR Using Chemical Transport Model	Ministry of Earth Sciences India	29.32	13-06-2015	12-06-2018	MANJU MOHAN Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
Centre for Biomedical Engineering								
107.	RP03149	Robotic Hand Assisted Transcranial Magnetic Stimulation Therapy for Neuro-Rehabilitation Post stroke	Science and Engineering Research Board DST, India	27.36	01-02-2016	31-01-2019	AMIT MEHNDIRATTA Centre for Biomedical Engineering	Centre for Biomedical Engineering
108.	RP03147	Quantitative Software Tools for Processing DCE Perfusion MRI Data of Patients with Intracranial Mass Lesions	Science and Engineering Research Board DST, India	25.31	19-01-2016	18-01-2019	ANUP SINGH Centre for Biomedical Engineering	Centre for Biomedical Engineering
109.	RP03140	Re-engineering High End Audiometric Devices for Robust and Affordable Audiological testing (sound4All)	Indo German Science and Technology Centre	103.50	01-01-2016	31-12-2018	DINESH KALYANASUNDARAM Centre for Biomedical Engineering	Centre for Biomedical Engineering
110.	RP03122	Design and Development of Fall Prediction and Protection System for Pelvis & Femur Fractures: Preliminary Study	Department of Science & Technology (DST) India	26.78	16-11-2015	15-11-2016	DINESH KALYANASUNDARAM Centre for Biomedical Engineering	Centre for Biomedical Engineering
111.	RP03099	Design of Quick Healing, Multi-material Orthopedic Screws for Femur and Tibia Fracture	Science and Engineering Research Board DST, India	25.50	01-09-2015	31-08-2018	DINESH KALYANASUNDARAM Centre for Biomedical Engineering	Centre for Biomedical Engineering
112.	RP03057	Development of Variable Density Composites Using Electric Field Guided Assembly	Naval Research Board, Directorate of Naval R&D India	8.47	24-05-2015	23-05-2017	DINESH KALYANASUNDARAM Centre for Biomedical Engineering	Centre for Biomedical Engineering
113.	RP03084	Development of Iron oxide Based Nanotheranostics for Cancer Diagnosis & Therapy	Department of Biotechnology, Ministry of Science and Technology India	21.91	03-08-2015	02-02-2017	HARPAL SINGH Centre for Biomedical Engineering	Centre for Biomedical Engineering

114.	RP03119	Electrically Enhanced Transdermal Delivery of Therapeutic Agents	Department of Science & Technology (DST) India	32.23	15-10-2015	14-10-2018	VEENA KOUL Centre for Biomedical Engineering	Centre for Biomedical Engineering
Centre for Energy Studies (CES)								
115.	RP03115	Electron Cyclotron Resonance based large Negative Ion Beam Source (ELNIBS)	Institute for Plasma Research India	704.57	30-10-2015	29-10-2021	RAMESH NARAYANAN Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
116.	RP03171	Continuous Spray Pyrolysis(COSP)Synthesized ZnO/TiO2 Nanostructure based Perovkite Solar Cells	Department of Science & Technology (DST) India	29.48	27-11-2015	26-11-2018	VIRESH DUTTA Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
Industrial Tribology, Machine Dynamics & Maintenance Engineering								
117.	RP03130	Enhancing Tribology Properties of Advanced Composites by Surface Tailoring with Nano-files	Department of Science & Technology (DST) India	30.03	09-12-2015	08-12-2018	JAYASHREE BIJWE Industrial Tribology, Machine Dynamics & Maintenance Engineering	Industrial Tribology, Machine Dynamics & Maintenance Engineering
Centre for Polymer Science & Engineering								
118.	RP03135	New Methods of Catalyzing Thiol-ene Reaction and its Application for Surface and Polymer Functionalization	Science and Engineering Research Board DST, India	46.42	24-12-2015	23-12-2018	LEENA NEBHANI Centre for Polymer Science & Engineering	Centre for Polymer Science & Engineering
119.	RP03145	Development of Multi-compartmental Smart Polymeric Particles	Science and Engineering Research Board DST, India	47.81	19-12-2015	18-12-2018	SAMPA SAHA Centre for Polymer Science & Engineering	Centre for Polymer Science & Engineering
Centre for Rural Development Technology (CRDT)								
120.	RP03174	Phytoremediation of Grey water Through wetland development in the Rural Habitat (Mubarakpur Village, Haryana)	Min. of Drinking Water and Sanitation India	4.72	30-03-2016	29-09-2016	ANUSHREE MALIK Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
121.	RP03046	Bio-detoxification of Castor Bean Oil Cake and Lipase Production	Science and Engineering Research Board DST, India	30.90	10-04-2015	09-04-2018	S.N.NAIK Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)

122.	RP03166	Study on Pesticide Residues in Stored Pulses at Commercial Level for Quality Assessment and Food Safety for Preparation of Functional/Weaning Food	National Academy of Sciences India	4.84	01-03-2016	28-02-2017	SANTOSH Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
123.	RP03141	Design and Development of Small Scale Grain Storage System for Food Safety	Department of Science & Technology (DST) India	31.82	01-01-2016	31-12-2018	SANTOSH Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
124.	RP03159	Development of Suitable Pre-treatment System for Paddy Straw Disintegration for Biogas Generation Leading Towards Commercialization of Technology	Ministry of New and Renewable Energy India	49.77	15-02-2016	14-02-2018	VIRENDRA KUMAR VIJAY Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
125.	RP03054	Conducting a Scientific Study of Performances of Improved Biomass Cookstoves Under Actual Use Conditions	Tata Energy Research Institute India	15.96	01-05-2015	30-04-2016	VIRENDRA KUMAR VIJAY Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
Bharti School of Telecommunication Technology & Management								
126.	RP03116	Sensing with High Accuracy in Mountainous Regions for Observation of Climate Change (SHAMROCC)	British Council Division United Kingdom	0.00	25-10-2015	24-10-2020	SUBRAT KAR Dept. of Electrical Engineering	Bharti School of Telecommunication Technology & Management
School of Biological Sciences								
127.	RP03123	Profiling of Host Genes Responsible for Virus Symptoms in Plants and their Impacts on Virus Multiplication	Science and Engineering Research Board DST, India	33.20	01-12-2015	30-11-2018	ASHOK KUMAR PATEL School of Biological Sciences	School of Biological Sciences
128.	RP03143	Investigation on CedA as a Primary Protein Responsible for Coordination of Bacterial Chromosomal Replication and Cell Division	Science and Engineering Research Board DST, India	40.97	17-09-2015	16-09-2018	BISHWAJIT KUNDU School of Biological Sciences	School of Biological Sciences
129.	RP03040	In silico and In Vitro studies on Inhibition of Gelsolin amyloidosis Using Plant Metabolites	Indian Council of Medical Research India	13.15	01-04-2015	31-03-2016	BISHWAJIT KUNDU School of Biological Sciences	School of Biological Sciences

130.	RP03144	The Biological Role of Hepatitis B e antigen in Modulating HBV Replication	Indian Council of Medical Research India	14.42	21-12-2015	20-12-2016	VIVEKANANDAN PERUMAL School of Biological Sciences	School of Biological Sciences
School of Information Technology								
131.	RP03041	Development of Mobile/Smart Partograph (ICMR Task Force Study)	Indian Council of Medical Research India	6.76	06-04-2015	05-04-2016	SANJIVA PRASAD Dept. of Computer Science & Engineering	School of Information Technology
Transportation Research & Injury Prevention Programme (TRIPP)								
132.	RP03173	Indicators of Reliability & Variability of BRTS (INDIRA B)	Indo French Centre for Promotion of Advanced Research	54.72	01-01-2016	31-12-2018	GEETAM TIWARI Dept. of Civil Engineering	Transportation Research & Injury Prevention Programme (TRIPP)