

## Sponsored Research Projects Undertaken During the Financial Year 2016 – 17

(Based on data available in ACSS database on 17/4/2017)

S.No.	Project No.	Project Title	Sponsoring Agency	Sanctioned Fund (Rs. Lacs)	Start Date	Completion Date	Name of Principal Investigator / Department	Project Department
<b>Dept. of Applied Mechanics</b>								
1	RP03315	Dynamic Characterisation of Adhesive Lap Joints Under High Rate of Tensile and Compressive Loading	DRDO, Ministry of Defence	22.11	2017-02-20	2020-02-19	VIKRANT TIWARI Dept. of Applied Mechanics	Dept. of Applied Mechanics
2	RP03293	Effect of Precipitate Characteristics on Deformation Behavior of Mg-9 WT. % Y Alloy	DRDO, Ministry of Defence	32.83	2017-01-16	2020-01-15	JAYANT JAIN Dept. of Applied Mechanics	Dept. of Applied Mechanics
3	RP03250	In Situ Nanoscale Tribology of Lubricated Lightweight Alloys for Automotive Engine Applications	Science and Engineering Research Board, DST	46.90	2016-09-29	2019-09-28	NITYA NAND GOSVAMI Dept. of Applied Mechanics	Dept. of Applied Mechanics
4	RP03207	Thermoelastic Modeling of Nano and Continuum Rods-A Molecular Approach	Council of Scientific & Industrial Research	3.81	2016-06-01	2019-05-31	AJEET KUMAR Dept. of Applied Mechanics	Dept. of Applied Mechanics
5	RP03196	Fracture Toughness Testing of Solid Propellants	SF Complex, DRDO, Ministry of Defence	9.72	2016-05-27	2017-05-26	BADRI PRASAD PATEL Dept. of Applied Mechanics	Dept. of Applied Mechanics

6	RP03190	Modeling and Simulation Studies on Growth of Cadmium Zinc Telluride (CZT) Crystals	DRDO, Ministry of Defence	8.04	2016-05-16	2017-11-15	ANUPAM DEWAN Dept. of Applied Mechanics	Dept. of Applied Mechanics
<b>Dept. of Biochemical Engineering &amp; Biotechnology</b>								
7	RP03327	Development of an Affordable, Automated and Field Deployable, Point of Care and Contained System for Rapid Diagnosis of TB Caused by Mycobacterium Tuberculosis (Under IMPRINT Scheme)	Ministry of Human Resource Development	228.00	2017-03-01	2019-02-28	RAVI KRISHNAN ELANGO VAN Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
8	RP03227	Membrane Technology for Clarification of sugar Cane Juice (under UAY scheme)	Ministry of Human Resource Development	82.53	2016-12-15	2017-12-14	G.P. AGARWAL Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
9	RP03251	Ensuring A Safe Environment-Treatment of Emerging Contaminants (EASE-TEC)	Department of Science & Technology (DST)	140.01	2016-10-03	2019-10-02	SHAIKH ZIAUDDIN AHAMMAD Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
10	RP03231	Pilot Project on Development of an Economical, Eco-Friendly and Energy Efficient Process for Production of Ethanol from Lignocellulosic Biomass	Gas Authority of India Limited	115.70	2016-08-05	2018-08-04	SHAIKH ZIAUDDIN AHAMMAD Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology

11	RP03228	Metabolic engineering of Zymomonas Mobilis for production of Malic Acid	Department of Biotechnology, Ministry of Science & Technology	49.99	2016-07-27	2019-07-26	V.S. BISARIA Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
12	RP03233	Development of an Integrated Bioprocess for Synthesis and Purification of Galacto-oligosaccharides	Department of Science & Technology (DST)	29.30	2016-07-25	2019-07-24	SAROJ MISHRA Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
13	RP03216	Diversity of ACC Deaminase Producers in the Rhizosphere of Cajanus Cajan in Stressed Agricultural Environments	Science and Engineering Research Board, DST	32.29	2016-06-27	2019-06-26	SHILPI SHARMA Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
14	RP03206	Unit of Excellence in Cancer Research on Multiple Myeloma (MM)	Department of Biotechnology, Ministry of Science & Technology	35.50	2016-05-16	2021-05-15	D.SUNDAR Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
15	RP03203	iGEM IIT Delhi	Department of Biotechnology, Ministry of Science & Technology	10.00	2016-04-29	2016-12-31	SHAIKH ZIAUDDIN AHAMMAD Dept. of Biochemical Engineering & Biotechnology	Dept. of Biochemical Engineering & Biotechnology
<b>Dept. of Chemical Engineering</b>								
16	RP03306	Integrated Process for Conservation of Lignocellulosic Biomass to Bioethanol and Value Added Chemicals	Petroleum Conservation Research Association, Ministry of Petroleum and Natural Gas	35.16	2017-02-01	2020-01-31	SREEDEVI UPADHYAYULA Dept. of Chemical Engineering	Dept. of Chemical Engineering

17	RP03301	A Theranostics Approach for Septicemia Management using rTLR4-functionalized Magnetic Nanoparticles	Science and Engineering Research Board, DST	69.29	2017-01-12	2020-01-11	SHALINI GUPTA Dept. of Chemical Engineering	Dept. of Chemical Engineering
18	RP03219	Improvement of Electrolytic Gold Refining Process through Optimum Current Efficiency for Gold Deposition and Gold Recovery from Effluent (under UAY scheme)	Ministry of Human Resource Development	94.25	2016-12-23	2018-12-22	SUDDHASATWA BASU Dept. of Chemical Engineering	Dept. of Chemical Engineering
19	RP03280	Development of Desalter Performance Prediction Model	Engineers India Limited, Gurgaon, HARYANA	8.68	2016-11-02	2017-05-01	SHANTANU ROY Dept. of Chemical Engineering	Dept. of Chemical Engineering
20	RP03283	Development of Electrochemical Sensor Integrated Microfluidic System for Label Free Multiple Detection of Neurotransmitters in Neuronal Cell Line	Biotech Consortium India Limited, Delhi	23.17	2016-10-18	2019-10-17	SHALINI GUPTA Dept. of Chemical Engineering	Dept. of Chemical Engineering
21	RP03276	Rapid Pre-concentration & Detection of Pathogens in Large Volumes via Dual-Nanoparticle Targeting	Asian Office of Aerospace Research & Development (AOARD)	43.21	2016-09-28	2018-09-27	SHALINI GUPTA Dept. of Chemical Engineering	Dept. of Chemical Engineering
22	RP03232	Continuous Processing for Production of Biotech Therapeutics (under UAY scheme)	Ministry of Human Resource Development	1089.00	2016-09-01	2019-08-31	ANURAG SINGH RATHORE Dept. of Chemical Engineering	Dept. of Chemical Engineering
23	RP03237	Microwave Assisted Valorization of Lignocellulosic Biomass into Value Added Chemicals and Fuels	Science and Engineering Research Board, DST	76.37	2016-08-31	2019-08-30	KAMAL KISHORE PANT Dept. of Chemical Engineering	Dept. of Chemical Engineering

24	RP03234	Development of kinetic for the methanol to formaldehyde reaction including by-product formation	Haldor Topsoe A/S, Denmark	12.60	2016-08-20	2017-05-19	KAMAL KISHORE PANT Dept. of Chemical Engineering	Dept. of Chemical Engineering
25	RP03224	Sericin-Ceramic Asymmetric Membrane for Removal of Contaminants from Textile Effluent	Department of Science & Technology (DST)	63.09	2016-07-22	2019-07-21	ANUPAM SHUKLA Dept. of Chemical Engineering	Dept. of Chemical Engineering
26	RP03214	Dynamics of Binary Flows Relevant to Gasification of Coal and Biomass Experiments and Lattice Boltzmann Simulations	International Division, Dept. of Science & Technology	7.21	2016-07-07	2018-07-06	VIVEK VITTHAL BUWA Dept. of Chemical Engineering	Dept. of Chemical Engineering
27	RP03279	Multiscale Modeling, Simulation and Optimization for Energy, Advanced Materials and Manufacturing under Indo-German Partnership in Higher Education (IGP)	University Grants Commission	280.00	2016-07-01	2020-06-30	VIVEK VITTHAL BUWA Dept. of Chemical Engineering	Dept. of Chemical Engineering
28	RP03215	Characterization of Reservoir Flow Properties through Pore Scale Experiments and Simulations	Institute of Reservoir Studies, Oil and Natural Gas Corporation	79.80	2016-06-27	2019-06-26	VIVEK VITTHAL BUWA Dept. of Chemical Engineering	Dept. of Chemical Engineering
29	RP03192	Development of Direct Hydro-carbon Solid Oxide Fuel Cell (SOFC)	Institute of Oil & Gas Production Technology, ONGC	254.61	2016-05-09	2019-05-08	SUDDHASATWA BASU Dept. of Chemical Engineering	Dept. of Chemical Engineering

30	RP03169	Preparation, performance analysis and modelling of dual layer catalysts for NOx reduction	Council of Scientific & Industrial Research	4.33	2016-04-15	2019-04-14	DIVESH BHATIA Dept. of Chemical Engineering	Dept. of Chemical Engineering
<b>Dept. of Chemistry</b>								
31	RP03316	Photoluminescent Chromium Molybdate Cluster, (CrM06024) Coordinated with Lanthanide Complexes as Photoluminescent Materilas	Science and Engineering Research Board, DST	37.58	2017-02-20	2020-02-19	A.RAMANAN Dept. of Chemistry	Dept. of Chemistry
32	RP03314	Lactic acid Bacteria based Biorefineries for Converting agro and Food Based Biomass into PLA and High Value added products	Indian Council of Agriculture Research	79.48	2017-02-13	2020-02-12	SUNIL KUMAR KHARE Dept. of Chemistry	Dept. of Chemistry
33	RP03302	Thio-click Approach for the Synthesis of Stable Glycomimetics and Chiral Oxathiacrown Ethers	International Division, Dept. of Science & Technology	36.82	2017-01-30	2020-01-29	NIDHI JAIN Dept. of Chemistry	Dept. of Chemistry
34	RP03295	Scaffolds Based on Self-assembling Peptide Dendrimers and Resorbable Calcium Phosphates for Endodontic Tissue Regeneration	Department of Biotechnology, Ministry of Science & Technology	19.90	2017-01-09	2020-01-08	V.HARIDAS Dept. of Chemistry	Dept. of Chemistry

35	RP03248	Studies on Small Non-coding RNA Medicated regulation in Bacteria	Science and Engineering Research Board, DST	32.74	2016-09-26	2019-09-25	TANMAY DUTTA Dept. of Chemistry	Dept. of Chemistry
36	RP03210	Solar Cell Using Type-II Core-Shell Nano Platelets for Efficient Charge Separation	Department of Science & Technology (DST)	40.00	2016-07-01	2019-06-30	SAMEER SAPRA Dept. of Chemistry	Dept. of Chemistry
37	RP03213	Asymmetric Multicomponent One Pot Synthetic Transformations an Easy Access to Functionalized Small Molecules	Council of Scientific & Industrial Research	10.68	2016-07-01	2019-06-30	RAVI P. SINGH Dept. of Chemistry	Dept. of Chemistry
38	RP03209	Synthesis, Characterization and Reactivity Studies of Metal Coordination Frameworks Derived from Phosphonate/Phosphite Esters	Council of Scientific & Industrial Research	1.67	2016-06-01	2019-05-31	RAVI SHANKAR Dept. of Chemistry	Dept. of Chemistry
39	RP03204	Multicomponent Nanoparticle Gels for Photovoltaic Applications	Department of Science & Technology (DST)	8.00	2016-05-31	2018-05-30	SAMEER SAPRA Dept. of Chemistry	Dept. of Chemistry
40	RP03193	Nanoparticles of Palladium, Ruthenium and Platinum Chalcogenides: Generation by Single Source Precursor, Role and Application in Coupling Reactions	Department of Science & Technology (DST)	58.13	2016-05-12	2019-05-11	A.K. SINGH Dept. of Chemistry	Dept. of Chemistry

<b>Dept. of Civil Engineering</b>								
41	RP03329	Energy Efficiency in Green Buildings using Geothermal Pile for Cooling	Department of Science & Technology (DST)	98.89	2017-03-15	2020-03-14	TANUSREE CHAKRABORTY Dept. of Civil Engineering	Dept. of Civil Engineering
42	RP03289	Climate Change Impact Studies for Rajasthan (Area of Inland Drainage and Mahi Basin)	Ministry of Water Resources (R&D Division)	15.18	2016-12-20	2019-12-19	BHAGU RAM CHAHAR Dept. of Civil Engineering	Dept. of Civil Engineering
43	RP03269	Low Cost Semiconductor and Optical Sensors based Urban Air Quality Monitoring Network System (SENSurAIR) (under UAY scheme)	Ministry of Human Resource Development	303.88	2016-10-25	2020-04-24	MUKESH KHARE Dept. of Civil Engineering	Dept. of Civil Engineering
44	RP03275	Influence of Basement Raft Loading on Metro Tunnels: Model Experiments and Numerical Analysis	Science and Engineering Research Board, DST	52.58	2016-09-28	2019-09-27	R. AYOTHIRAMAN Dept. of Civil Engineering	Dept. of Civil Engineering
45	RP03208	Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST)	Department of Science & Technology (DST)	295.00	2016-06-24	2021-06-23	MANOJ DATTA Dept. of Civil Engineering	Dept. of Civil Engineering
46	RP03194	Performance and Design Evaluation of Test Tracks of Flexible Pavements with Waste Materials in Subbase and Base Layers	Department of Science & Technology (DST)	21.67	2016-05-31	2019-05-30	JAGDISH TELANGRAO SHAHU Dept. of Civil Engineering	Dept. of Civil Engineering



<b>Dept. of Computer Science &amp; Engineering</b>								
47	RP03331	Accelerated discovery: Microbe Test Case	ExxonMobil Global Services Company	13.46	2017-03-01	2018-02-28	MAYA RAMANATH Dept of Computer Science & Engg.	Dept of Computer Science & Engg.
48	RP03320	On Board Phase 2: Design, Implementation and Testing of Improved Version Based on Feedback from the Pilot Trial	Department of Science & Technology (DST)	46.13	2017-03-01	2017-11-30	M. BALAKRISHNAN Dept of Computer Science & Engg.	Dept of Computer Science & Engg.
49	RP03309	Consumer Broadband Labels	Consumer Unity & Trust Society	3.22	2017-02-09	2018-01-31	AADITESHVAR SETH Dept of Computer Science & Engg.	Dept of Computer Science & Engg.
50	RP03299	Study and Analysis of Available Sign Languages Apps	Ministry of Social Justice & Empowerment	1.92	2017-01-16	2018-01-15	M. BALAKRISHNAN Dept of Computer Science & Engg.	Dept of Computer Science & Engg.
51	RP03288	Hybrid DistMult-Matrix Factorization Models for Open IE Inference	Google Inc.	33.90	2016-12-05	2021-12-04	MAUSAM Dept of Computer Science & Engg.	Dept of Computer Science & Engg.
52	RP03267	Coarse Grain Reconfigurable Embedded Systems Technology (CREST) II Applications	International Division, Dept. of Science & Technology	49.98	2016-09-29	2019-09-28	ANSHUL KUMAR Dept of Computer Science & Engg.	Dept of Computer Science & Engg.
53	RP03170	Four problems related to ADAS	Continental Automotive Components (India) Pvt. Ltd	29.88	2016-08-01	2017-07-31	SUBHASHIS BANERJEE Dept of Computer Science & Engg.	Dept of Computer Science & Engg.

54	RP03205	Developing a Solution for Providing Assistance for Creation of Accessible Public Documents for Visually Impaired	Ministry of Social Justice & Empowerment	11.50	2016-06-05	2017-06-04	M. BALAKRISHNAN Dept of Computer Science & Engg.	Dept of Computer Science & Engg.
<b>Dept. of Electrical Engineering</b>								
55	RP03335	Quantized Feedback Based Collocated and Distributed Wireless Communication Systems: Study and Hardware Implementation	Science and Engineering Research Board, DST	51.26	2017-03-30	2020-03-29	MANAV BHATNAGAR Dept. of Electrical Engineering	Dept. of Electrical Engineering
56	RP03321	Security in the Internet of Things Space (Centre of Excellence in Cyber Systems and Information Assurance)	Department of Science & Technology (DST)	144.83	2017-03-01	2022-02-28	RANJAN BOSE Dept. of Electrical Engineering	Dept. of Electrical Engineering
57	RP03303	Energy Efficiency and Occupant Comfort Management in the Built Environment	Department of Science & Technology (DST)	261.39	2017-02-01	2020-01-31	SESHAN SRIRANGARAJAN Dept. of Electrical Engineering	Dept. of Electrical Engineering
58	RP03312	Phenomics of Moisture Deficit Stress Tolerance and Nitrogen Use Efficiency in Rice and Wheat - Phase - II	Indian Council of Agriculture Research	54.56	2017-01-01	2019-12-31	BREJESH LALL Dept. of Electrical Engineering	Dept. of Electrical Engineering
59	RP03270	Converged Green Broadband Access (CONE)	Science and Engineering Research Board, DST	33.37	2016-10-25	2019-10-24	ABHISHEK DIXIT Dept. of Electrical Engineering	Dept. of Electrical Engineering

60	RP03266	e-PV Diesel Generator (under UAY scheme)	Ministry of Human Resource Development	97.50	2016-10-19	2018-10-18	SUKUMAR MISHRA Dept. of Electrical Engineering	Dept. of Electrical Engineering
61	RP03253	Design and Development of Advanced Research Modules in Power Electronics Applications to Power System	Opal-RT Technologies India Pvt. Ltd.	54.00	2016-10-03	2019-10-02	BHIM SINGH Dept. of Electrical Engineering	Dept. of Electrical Engineering
62	RP03246	Plasmonics Based Highly Sensitive Gas Sensing System (under UAY scheme)	Ministry of Human Resource Development	598.50	2016-09-26	2019-09-25	ANUJ DHAWAN Dept. of Electrical Engineering	Dept. of Electrical Engineering
63	RP03242	Wide-Area Field of View CMOS Image Sensors for Aerial Surveillance for Defense Applications (under UAY scheme)	Ministry of Human Resource Development	385.06	2016-09-09	2019-09-08	MUKUL SARKAR Dept. of Electrical Engineering	Dept. of Electrical Engineering
64	RP03238	Integration and Enablement of 0.18 Micron RF-SOI Technology for Analog Mixed-signal Applications	Department of Science & Technology (DST)	217.20	2016-08-31	2019-08-30	ABHISEK DIXIT Dept. of Electrical Engineering	Dept. of Electrical Engineering
65	RP03222	Design and Development of Solar PV Based Super Efficient Agricultural Pumps and Hybrid Multidimensional Inverters (under UAY scheme)	Ministry of Human Resource Development	450.08	2016-07-22	2020-07-21	BHIM SINGH Dept. of Electrical Engineering	Dept. of Electrical Engineering

66	RP03201	Electrical vehicle charging station as a voltage and frequency regulator within the real time capacity of the EVs available in presence of intermittent renewable energy sources	Department of Science & Technology (DST)	124.37	2016-06-01	2019-05-31	SUKUMAR MISHRA Dept. of Electrical Engineering	Dept. of Electrical Engineering
67	RP03200	Control of Grid Interfaced Solar Photovoltaic Energy with Networked Electric Vehicles to Enable Vehicles a Smart Grid	Department of Science & Technology (DST)	60.74	2016-05-31	2019-05-30	BIJAYA KETAN PANIGRAHI Dept. of Electrical Engineering	Dept. of Electrical Engineering
68	RP03195	To Strengthen the research facilities in the Department of Electrical Engineering (under FIST Scheme)	Department of Science & Technology (DST)	550.00	2016-05-28	2021-05-27	BHIM SINGH Dept. of Electrical Engineering	Dept. of Electrical Engineering
69	RP03307	VDTT Project	Qualcomm India Pvt. Ltd.	8.86	2016-07-01	2019-06-30	JAYADEVA Dept. of Electrical Engineering	Dept. of Electrical Engineering
<b>Dept. of Humanities &amp; Social Sciences</b>								
70	RP03296	Assessing the Value of ICT Based Agro-met Advisories Service to Farmers in Haryana	Swiss Federal Institute of Technology Zurich	17.00	2017-01-16	2018-07-15	UPASNA SHARMA Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences
71	RP03277	Prediction Processes in Sentence Processing: Insights from Hindi	Department of Science & Technology (DST)	47.47	2016-11-11	2019-11-10	SAMAR HUSAIN Dept. of Humanities & Social Sciences	Dept. of Humanities & Social Sciences

<b>Dept. of Management Studies</b>								
72	RP03300	Joint Research on Global Supply Chain Risk Management	University of Connecticut	1.56	2017-01-22	2020-01-21	RAVI SHANKAR Dept. of Management Studies	Dept. of Management Studies
73	RP03298	Collaborative Research in Decision Science Business Analytics and Big Data Applications	Loughborough University, leicestershire, U.K.	1.72	2017-01-16	2020-01-15	RAVI SHANKAR Dept. of Management Studies	Dept. of Management Studies
74	RP03287	Impact Evaluation of Technical Quality Improvement Programme (TEQIP) Phase-II	National Project Implementation Unit	57.16	2016-12-18	2017-06-17	MAHIM SAGAR Dept. of Management Studies	Dept. of Management Studies
75	RP03291	Assessing Cost of Adaptation of Climate Change for Forests in India	Ministry of Environment, Forest & Climate Change	9.96	2016-12-01	2018-01-31	AMLENDU KUMAR DUBEY Dept. of Management Studies	Dept. of Management Studies
76	RP03187	Strategic Business Plan Development for Bamboo Industry in India (under BAANS scheme)	North East Centre for Technology Application & Research	8.93	2016-04-27	2018-04-26	SUSHIL Dept. of Management Studies	Dept. of Management Studies
77	RP03199	Practices of Global Supply Chain Management	University of Connecticut	1.25	2016-04-19	2019-04-18	RAVI SHANKAR Dept. of Management Studies	Dept. of Management Studies
<b>Dept. of Mathematics</b>								
78	RP03247	Stable and Robust Numerical Methods for Plasma Flow Equations	Science and Engineering Research Board, DST	19.10	2016-09-26	2019-09-25	HARISH KUMAR Dept. of Mathematics	Dept. of Mathematics

79	RP03256	Development of Tools for Automatic Term Extraction and RDFization of Agriculture Terms - with Focus on Crops sub-domain	Ministry of Communications & Information Technology	9.50	2016-08-30	2017-08-29	NILADRI CHATTERJEE Dept. of Mathematics	Dept. of Mathematics
<b>Dept. of Mechanical Engineering</b>								
80	RP03341	Design and Development of Bio-resorbable Drug Eluting Coronary Stents (under IMPRINT Project)	Ministry of Human Resource Development	399.89	2017-03-24	2020-03-23	NARESH BHATNAGAR Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
81	RP03297	Stochastic Finite Element Model Updating for Uncertainty Quantification in Structural Dynamics	Aeronautics R&D Board (Ministry of Defence)	13.32	2017-01-24	2020-01-23	SUBODH VASANT MODAK Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
82	RP03286	Studies of Fuel Saving and Emission Reduction in Large Size IC Engines using Bio-Inspired Textured Surfaces (UAY Project)	Ministry of Human Resource Development	127.62	2016-12-01	2019-11-30	R.K.PANDEY Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
83	RP03305	Injury Mechanisms in Blast and Blunt TBI	All India Institute of Medical Sciences (AIIMS)	11.52	2016-11-30	2017-11-29	SUDIPTO MUKHERJEE Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
84	RP03260	Data Driven Governance in the Education Sector	Central Square Foundation (Policy Think Tank)	4.32	2016-10-07	2017-10-06	NOMESH BHOJKUMAR BOLIA Dept. of Mechanical Engineering	Dept. of Mechanical Engineering

85	RP03252	Efficient Method for Development of Meta Material Through Integrating Multiple Processes	International Division, Dept. of Science & Technology	6.09	2016-09-27	2018-09-26	SIVANANDAM ARAVINDAN Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
86	RP03243	Fracture Failure in Hygrothermally Degraded Composite Adhesive Joints	Science and Engineering Research Board, DST	40.06	2016-09-20	2019-09-19	NARESH VARMA DATLA Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
87	RP03220	Design and Development of Automated Flexible Abrasive Flow Finishing (AF-AFF) Process for Finishing of Micro to Macro Complex Features	Department of Science & Technology (DST)	43.07	2016-09-09	2019-09-08	SUNIL JHA Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
88	RP03239	Development and Field Testing of Panic Switch Based Safety Device for Cars for Aiding Womens Safety	Ministry of Electronics and Information Technology	349.96	2016-08-22	2018-02-21	ANOOP CHAWLA Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
89	RP03211	Narrow Street Cleaner	Ministry of Urban Development	1.80	2016-06-27	2016-11-30	SUDIPTO MUKHERJEE Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
90	RP03212	Uncertainty Quantification in Petroleum Reservoir Simulations (PAN IIT)	Institute of Reservoir Studies, Oil and Natural Gas Corporation	42.60	2016-06-27	2019-06-26	SUPREET SINGH BAHGA Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
91	RP03164	Dissemination of the Low Cost Sheep-hair Shearing Device Developed by IIT New Delhi	Central Wool Development Baoard, Ministry of Textile	32.94	2016-05-23	2017-11-22	SUBIR KUMAR SAHA Dept. of Mechanical Engineering	Dept. of Mechanical Engineering

92	RP03183	Advanced CNC Micromachining System with Integrated Micro Tool Manufacturing	Department of Science & Technology (DST)	317.44	2016-05-11	2019-05-10	SUNIL JHA Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
93	RP03176	Nano Structured Metallic Materials using Constrained Groove Pressing: Influence of Tool Design	Science and Engineering Research Board, DST	19.53	2016-04-01	2019-03-31	K. HARIHARAN Dept. of Mechanical Engineering	Dept. of Mechanical Engineering
<b>Dept. of Physics</b>								
94	RP03325	Quantum Polarization Tomography of Optical States	Board of Research in Nuclear Sciences, DAE	24.96	2017-03-02	2020-03-01	BHASKAR KANSERI Dept. of Physics	Dept. of Physics
95	RP03319	Synthesis of Pd-graphene core shell nano-particles for hydrogen sensing applications	Board of Research in Nuclear Sciences (DAE)	27.80	2017-02-23	2020-02-22	BODH RAJ Dept. of Physics	Dept. of Physics
96	RP03308	Entangled Twin Photon Source for Quantum Information Applications	Science and Engineering Research Board, DST	48.40	2017-01-24	2020-01-23	JOYEE GHOSH Dept. of Physics	Dept. of Physics
97	RP03285	Experimental Investigation of Polarization Features of Electromagnetic Optical Fields	Science and Engineering Research Board, DST	41.80	2016-12-23	2019-12-22	BHASKAR KANSERI Dept. of Physics	Dept. of Physics



98	RP03278	Investigation of the Physical Properties of Cobaltate Hetrosturctures at Nanoscale for Energy Storage Applications and Electron-Correlated Materials	Science and Engineering Research Board, DST	47.52	2016-11-18	2019-11-17	RAJENDRA SINGH DHAKA Dept. of Physics	Dept. of Physics
99	RP03272	Investigating the Role of Oxygen Vacancy Defects on the Wetting Properties of Metal Oxide Nanowires	Science and Engineering Research Board, DST	32.08	2016-11-15	2019-11-14	JITENDRA PRATAP SINGH Dept. of Physics	Dept. of Physics
100	RP03271	Ultrafast Light Driven Dynamics in Two-Dimensional Materials	Science and Engineering Research Board, DST	50.60	2016-11-01	2019-10-31	SUNIL KUMAR Dept. of Physics	Dept. of Physics
101	RP03268	Interplay between MgO Oxygen Vacancies and Tunnelling Spin Transfer Torque	IFCPAR (CEFIPRA), India Habitat Centre	69.89	2016-10-20	2019-10-19	PRANABA KISHOR MUDULI Dept. of Physics	Dept. of Physics
102	RP03263	Design of Advanced Nano-structured Materials for Novel Applications	Department of Science & Technology (DST)	307.06	2016-10-18	2019-10-17	BODH RAJ Dept. of Physics	Dept. of Physics
103	RP03262	An initio multi-scale modelling of syngas production catalyzed by ternary Metal-Mg-O clusters at realistic conditions	Science and Engineering Research Board, DST	19.07	2016-10-14	2019-10-13	SASWATA BHATTACHARYA Dept. of Physics	Dept. of Physics

104	RP03254	Fabrication of Efficiency Enhanced Nano-structured InGaN/GaN Solar Cells	Department of Science & Technology (DST)	19.09	2016-10-03	2019-10-02	RAJENDRA SINGH Dept. of Physics	Dept. of Physics
105	RP03258	Magnetic, Transport and Galvano-Magnetic Properties of Thin Films and Ribbons of Novel Heusler Alloys for Magnetic Applications	International Division, Dept. of Science & Technology	26.60	2016-10-03	2018-10-02	RATANAMALA CHATTERJEE Dept. of Physics	Dept. of Physics
106	RP03259	Zero Valent Iron Nano-structured Materials and Nanorust: Applications in (i) Removal of Arsenic from Drinking Water, (ii) Preparing Electromagnetic Wave Absorbers in 2-18 GHz Range	International Division, Dept. of Science & Technology	19.55	2016-10-03	2018-10-02	RATANAMALA CHATTERJEE Dept. of Physics	Dept. of Physics
107	RP03230	Study of Bent Core Liquid Crystal Systems	Science and Engineering Research Board, DST	23.28	2016-08-08	2019-08-07	ALOKA SINHA Dept. of Physics	Dept. of Physics
108	RP03226	High Pressure-temperature Investigations of CO <sub>2</sub> and related Materials	Board of Research in Nuclear Sciences (DAE)	34.54	2016-07-28	2019-07-27	AMARTYA SENGUPTA Dept. of Physics	Dept. of Physics
109	RP03225	Modulating Electro-optics of Liquid Crystal Tunable Gratings with Electric Field and Nanomaterial Dispersion	Science and Engineering Research Board, DST	41.58	2016-07-18	2019-07-17	BHASKAR KANSERI Dept. of Physics	Dept. of Physics

110	RP03182	Synthesis of Pt/Pd Modified Carbon Nano-tubes and their Effective Role in Hydrogen Storage Applications	Department of Science & Technology (DST)	31.13	2016-07-14	2019-07-13	RAJENDRA SINGH DHAKA Dept. of Physics	Dept. of Physics
111	RP03217	Luminescent Solar Concentrator based Hybrid Sunlight Harvesting System for Day Light Saving	Department of Science & Technology (DST)	47.50	2016-07-01	2019-06-30	DALIP SINGH MEHTA Dept. of Physics	Dept. of Physics
112	RP03198	Spin Pumping in Ferromagnet/non-magnet Heterostructures	UGC -DAE Consortium, University Campus	0.45	2016-06-01	2017-05-31	PRANABA KISHOR MUDULI Dept. of Physics	Dept. of Physics
113	RP03178	Ultra Cold Atoms in Synthetic Gauge Field: Cavity Optomechanics and Ensuing Quantum Simulation	Board of Research in Nuclear Sciences (DAE)	93.26	2016-04-01	2021-03-31	SANKALPA GHOSH Dept. of Physics	Dept. of Physics
<b>Dept. of Textile Technology</b>								
114	RP03324	Development of a Device for Monitoring Sub-bandage Pressure of Compressing Bandages under Static and Dynamic Conditions	Department of Science & Technology (DST)	33.73	2017-03-02	2020-03-01	R.ALAGIRUSAMY Dept. of Textile Technology	Dept. of Textile Technology
115	RP03284	Development of an Evaporative Cooling Garment for Enhanced Thermal Protection Against Extreme Climates	Defence Bio-Engineering & Electro Medical Laboratory	23.40	2017-03-01	2019-08-31	DIPAYAN DAS Dept. of Textile Technology	Dept. of Textile Technology

116	RP03310	Developmental Biology Inspired Articular Cartilage Tissue Engineering Strategy	Department of Biotechnology, Ministry of Science & Technology	18.14	2017-03-01	2018-08-31	SOURABH GHOSH Dept. of Textile Technology	Dept. of Textile Technology
117	RP03292	Development of Multifunctional Textiles by Modifying Textiles with Nano-Structured Metal Oxide Materials for UV Filter Applications	Department of Science & Technology (DST)	18.47	2017-02-01	2020-01-31	APURBA DAS Dept. of Textile Technology	Dept. of Textile Technology
118	RP03290	Detection of Non-uniformity in Dyed Textile Materials using Image Analysis (under UAY scheme)	Ministry of Human Resource Development	26.52	2017-01-16	2019-01-15	SAMRAT MUKHOPADHYAY Dept. of Textile Technology	Dept. of Textile Technology
119	RP03281	Development of light Weight Charkha(Design Modifications of NMC Charkha) Phase - II(Field Trials)	Khadi & Village Industries Commission	6.69	2016-11-21	2017-05-20	R. CHATTOPADHYAY Dept. of Textile Technology	Dept. of Textile Technology
120	RP03274	Development of Thermoplastic Composites through Commingled Hybrid Yarns and Textile Performing	Directorate of Extramural Research & Intellectual, DRDO	43.09	2016-11-03	2019-11-02	R.ALAGIRUSAMY Dept. of Textile Technology	Dept. of Textile Technology
121	RP03245	In Vitro Skin Psoriasis Model	Dr. Reddy's Laboratories limited, Hyderabad	58.98	2016-11-01	2018-01-31	SOURABH GHOSH Dept. of Textile Technology	Dept. of Textile Technology

122	RP03264	Ordered Assemblies of Nanoparticles Confined in Self-assembled Block Copolymer Structures	Department of Science & Technology (DST)	40.97	2016-11-01	2019-10-31	BHANU NANDAN Dept. of Textile Technology	Dept. of Textile Technology
123	RP03257	Design and Development of an Instrument for Analyzing Performance of Fire Protective Clothing and Determining Second Degree Burn Time for Skin	Department of Science & Technology (DST)	26.55	2016-10-05	2019-10-04	APURBA DAS Dept. of Textile Technology	Dept. of Textile Technology
124	RP03273	Design and Development of Dynamic Yarn Pull-Out Tester for High Performance Fabrics	Department of Science & Technology (DST)	22.94	2016-10-03	2019-04-02	ABHIJIT MAJUMDAR Dept. of Textile Technology	Dept. of Textile Technology
125	RP03235	Studies on Composite based Piezoelectric Nano Fibrous Web for its Potential Application in Energy Harvesting	Science and Engineering Research Board, DST	28.45	2016-08-24	2019-08-23	MD. S. WAZED ALI Dept. of Textile Technology	Dept. of Textile Technology
126	RP03223	Development of Nonwoven Fabric based Water Filtration System to Provide Safe Drinking Water in Rural Area	Department of Science & Technology (DST)	29.40	2016-08-16	2019-08-15	APURBA DAS Dept. of Textile Technology	Dept. of Textile Technology
127	RP03218	Novel Bio-degradable Non-woven Composites for Automotive Applications	Council of Scientific & Industrial Research	4.02	2016-07-06	2019-07-05	DIPAYAN DAS Dept. of Textile Technology	Dept. of Textile Technology

<b>Centre for Applied Research in Electronics (CARE)</b>								
128	RP03304	Array and Waveform Design and Echo Modeling for Compact Imaging Sonar System	Naval Physical & Oceanographic Laboratory	9.90	2017-01-11	2018-01-10	RAJENDAR BAHL Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
129	RP03249	High Resolution Range Doppler Sonar Imaging for Underwater Surveillance	Science and Engineering Research Board, DST	27.84	2016-10-03	2019-10-02	PRABHU BABU Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
130	RP03265	Multi-Taret Location Estimation using LOFIX and Least Squares Methods with Distributed DIFAR Sonobuoys	Naval Physical & Oceanographic Laboratory	9.60	2016-09-29	2017-07-28	RAJENDAR BAHL Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
131	RP03244	Fabrication and Characterization of High Efficiency Sealable Visible to Infrared Junctionless Phototransistors for Silicon Photonics	Science and Engineering Research Board, DST	73.81	2016-09-20	2019-09-19	SAMARESH DAS Centre for Applied Research in Electronics (CARE)	Centre for Applied Research in Electronics (CARE)
<b>Centre for Atmospheric Sciences</b>								
132	RP03322	Heat-stress Index for India : Projections for Near Future HIIPROF	Department of Science & Technology (DST)	65.23	2017-03-01	2020-02-29	SAGNIK DEY Centre for Atmospheric Sciences	Centre for Atmospheric Sciences

133	RP03311	Dynamic Downscaling to Study Climate Change Impacts on Water Resources in India	Ministry of water Resources	156.65	2017-02-09	2019-02-08	KRISHNA MIRLE ACHUTARAO Centre for Atmospheric Sciences	Centre for Atmospheric Sciences
134	RP03343	Reusable Clinical Amperometric Lactate and Glucose Biosensors based on Dissolved Oxygen Probe	C. L. Micromed Limited	2.01	2017-03-31	2017-07-30	SANDEEP KUMAR JHA Centre for Biomedical Engineering	Centre for Biomedical Engineering
<b>Centre for Biomedical Engineering</b>								
135	RP03338	Delivery Systems for Anticancer Agents Using Biodegradable Nanoparticles	NanoGen Pharmaceuticals	3.00	2017-03-30	2019-03-29	HARPAL SINGH Centre for Biomedical Engineering	Centre for Biomedical Engineering
136	RP03332	Artificial Skin (Bio-inspired Bi-layer Polymeric Hybrid scaffold) for Burn Injuries and Trauma Care (under IMPRINT Scheme)	Ministry of Human Resource Development	222.14	2017-03-27	2020-03-26	VEENA KOUL Centre for Biomedical Engineering	Centre for Biomedical Engineering
137	RP03328	Electroencephalogram Signal Analysis During Locomotion in Different Terrains and the Transitions: A Neurophysiological Study	Science and Engineering Research Board, DST	41.76	2017-03-14	2020-03-13	DEEPAK JOSHI Centre for Biomedical Engineering	Centre for Biomedical Engineering
138	RP03323	Fabrication and Evaluation of Bio-Nano Composite Scaffold for Chronic Wounds	Department of Science & Technology (DST)	55.53	2017-03-01	2020-02-29	VEENA KOUL Centre for Biomedical Engineering	Centre for Biomedical Engineering

139	RP03261	Development of Stimuli Responsive Biocompatible Nanoparticles for Targetted Drug Delivery in Breast Cancer	Department of Biotechnology, Ministry of Science & Technology	11.57	2016-10-10	2017-10-09	VEENA KOUL Centre for Biomedical Engineering	Centre for Biomedical Engineering
140	RP03313	Development of Biodegradable Nanoparticles for Concontitant delivery of anti Cancer Peptide DNA and Chemotherapetatie Drugs for Cancer Therapy	Department of Science & Technology (DST)	53.52	2016-09-06	2019-09-05	HARPAL SINGH Centre for Biomedical Engineering	Centre for Biomedical Engineering
141	RP03229	Synergy Based Adaptive Prosthesis for Transdermal Amputee	Indian Council of Medical Research	23.36	2016-09-01	2018-08-31	DEEPAK JOSHI Centre for Biomedical Engineering	Centre for Biomedical Engineering
142	RP03236	Aptamer Based Inline Monitoring of Therapeutic Protein Production in Bioreactors Using Microfluidic chip	Science and Engineering Research Board, DST	49.21	2016-08-26	2019-08-25	SANDEEP KUMAR JHA Centre for Biomedical Engineering	Centre for Biomedical Engineering
<b>Centre for Energy Studies (CES)</b>								
143	RP03330	Characterization Studies of Nano-enhanced Phase Change Material (NEPCM) in Thermal Storage Devices for Sustainable Building Designs in India	Department of Science & Technology (DST)	51.17	2017-03-21	2020-03-20	DIBAKAR RAKSHIT Centre for Energy Studies (CES)	Centre for Energy Studies (CES)



144	RP03294	Laser Driven THz Radian Generation in Plasmas and Metal Films (Women Scientist Scheme A)	Department of Science & Technology (DST)	24.50	2016-12-06	2019-12-05	MRS. R. UMA Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
145	RP03240	Enhancing the Performance of Passivated Interface Heterojunction Silicon Solar Cells by Improving Junction Properties and by using Plasmonic Light trapping	Department of Science & Technology (DST)	74.62	2016-09-01	2019-08-31	VAMSI KRISHNA KOMARALA Centre for Energy Studies (CES)	Centre for Energy Studies (CES)
<b>Centre for Polymer Science &amp; Engineering</b>								
146	RP03344	Development of Structurally Engineered Artificial Dura Material (EN-DURA)	Indian Council of Medical Research	20.68	2017-03-20	2018-03-19	BHABANI KUMAR SATAPATHY Centre for Polymer Science & Engineering	Centre for Polymer Science & Engineering
147	RP03326	Non-leaching Anti-infective Coating for Bio-degradable Medical Implant	Science and Engineering Research Board, DST	42.91	2017-03-07	2020-03-06	SAMPA SAHA Centre for Polymer Science & Engineering	Centre for Polymer Science & Engineering
<b>Centre for Rural Development Technology (CRDT)</b>								
148	RP03241	Development of Microbial Formulations for Degradation of Explosives in Soil	DRDO, Ministry of Defence	40.00	2016-09-06	2017-11-05	SATYAWATI SHARMA Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)

149	RP03197	From Waste Water to Bioenergy: A Microalgae Biorefinery Approach in Indian and Brazilian Scenario	Department of Biotechnology,GOI	104.16	2016-05-31	2020-05-30	ANUSHREE MALIK Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
150	RP03186	Design and Development of Low Cost Post Harvest Equipments for Simarouba Seeds	Ministry of Agriculture	5.81	2016-04-23	2017-04-22	S.N.NAIK Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
151	RP03189	Development of a Multimode Continuous Drying System for On-Farm Processing of Indian Spices	Science and Engineering Research Board, DST	25.39	2016-04-23	2019-04-22	JATINDRA KUMAR SAHU Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
152	RP03188	Demonstration of Value Added Food Products using Mahuwa Flower Syrup Amla with Tamarind	TRIFED, Ministry of Tribal Affairs	21.09	2016-04-04	2018-04-03	S.N.NAIK Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
153	RP03221	Unnat Bharat Abhiyan	Ministry of Human Resource Development	10000.00	2016-04-01	2019-03-31	VIRENDRA KUMAR VIJAY Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)
154	RP03185	Demonstration and Adaptive Research of Biogas Purification & Bottling Technology for Vehicular Application	Department of Science & Technology (DST)	112.98	2016-04-01	2018-03-31	VIRENDRA KUMAR VIJAY Centre for Rural Development Technology (CRDT)	Centre for Rural Development Technology (CRDT)

**School of Biological Sciences**

155	RP03255	Identification of Potential Molecular Interceptors against Chikungunya Infection	Science and Engineering Research Board, DST	45.65	2016-09-21	2019-09-20	ASHOK KUMAR PATEL School of Biological Sciences	School of Biological Sciences
156	RP03318	Evaluating the Role of Amyloids of Mycobacterium Tuberculosis PE/PPE Proteins as Antigenic Reservoirs for Eliciting Sustained Immunological Responses	Ministry of Health & Family Welfare	44.28	2016-04-13	2019-04-12	BISHWAJIT KUNDU School of Biological Sciences	School of Biological Sciences
157	RP03181	Capsid Structural Dynamics During Disassembly	Science and Engineering Research Board, DST	46.03	2016-04-11	2019-04-10	MANIDIPA BANERJEE School of Biological Sciences	School of Biological Sciences
<b>Office the Director</b>								
158	RP03282	Development of Lab-on-chip Platforms for Efficient and Automated Farming (LEAF)- Agricultural Sensors	Department of Science & Technology (DST)	109.38	2016-11-27	2019-11-26	V.RAMGOPAL RAO Office the Director	Office the Director