

OFFICE OF THE DEAN (R & C)
MNNIT, ALLAHABAD

SI	Title of the Projects	Name of the Funding Agency	Name of Principal Investigator	Department	Sanction No.	Sanction Date	Sanctioned Amount in Rs.
List of Sanctioned Project in Financial Year 2023-24							
1	Novel Ionic Liquid based Nano-photocatalytic Conversion of WCO into Biodiesel and Triacetin under Synergic Effects of Cavitation & Microwave: A Holistic Technique for Improved Economics with Reduced Damage to Environment and Safety	SERB, New Delhi	Dr. Dipesh Shikchand Patle, Chemical Eng.	Chemical Engineering	CRG/2022/000825	28.04.2023	47,15,138
2	Experimental and numerical study on the interaction of a shock tube generated blast wave with structures for blast attenuation and mitigation	ARDB, New Delhi	Dr. Abhishek Kundu, AMD	Applied Mechanics	ARDB/01/1032072/M/I	24.04.2023	20,52,120
3	(KARYASHALA) on Emerging technologies in point-of-care diagnostics for disease monitoring	SERB, New Delhi	Dr. Seema Nara, Dr. Manisha Sachan, DBT	Biotechnology	AV/KAR/2022/0804	02.06.2023	5,00,000
4	Experimental Investigations on Nucleate pool boiling with enhanced surface geometries using EDM process	SERB, New Delhi	Dr. Ashwini Kumar Yadav, Mechanical Engineering	Mechanical Engineering	CRG/2022/001001	22.05.2023	17,21,500
5	Developing a framework and designing assessment metrics for cyclic social innovation for circular economy in India	SPARC	Dr. Tripti Singh, SMS dr. Yatish Joshi, SMS	Schools of Manangement Studies	SPARC/2019-2020/P2311/SL	28.07.2023	45,59,690
6	Metabolic Engineering of Lactic Acid Bacteria for the high yield of Lactic Acid	DST, New Delhi	Ms. Bhavana, Tondan, Mentor Dr. Rupika Sinha, DBT	Biotechnology	DST/WOS-A/LS-322/2021 (G)	28.07.2023	22,88,736
7	Analysing the Behavioural Intention of Instructors to Adopt Blockchain in Grading and Certification	SPARC	Prof. Ganesh P Sahu, SMS	Schools of Manangement Studies	SPARC/2019-2020/P2364/SL	28.07.2023	49,99,766
8	Making Indian Commercial road Vehicles Environment Friendly and Fuel Efficient through Aerodynamics Research	SPARC	Dr. Akshoy Ranjan Paul, AMD	Applied Mechanics	SPARC/2019-2020/P2070/SL	28.07.2023	47,57,663
9	Explorative Study of Expenditure based Model of Income Tax to curb under-reporting of income: Strategies for efficient and effective Direct Tax collection system	ICSSR, New Delhi	Dr. Ravindra Tripathi, HSS	Humanities & Social Science	02/4/2022-23/ICSSR/RP/MJ/GEN	03.05.2023	15,00,000
10	ML Enabled RISC-V based i - LoRa SOC for Forest event monitoring, Under Chips to startup (C2S) Programme	MeiT, New Delhi	Prof. R. K. Nagaria, ECED Co- Dr. Santosh Kumar Gupta	Electronics & Communication Engineering	EE-9/2/2021-R&D-E	19.05.2023	96,00,000
11	Investigating the role of nitric oxide and indole acetic acid -releasing chitosan nanoparticles induced alleviation mechanisms of chromium and metsulfuron methyl toxicity in rice and tomato	CSIR, New Delhi	Prof. Shivesh Sharma, Biotechnology	Biotechnology	38(1528)/23/EMR-II	05.07.2023	25,42,560
12	Prototype development of a photovoltaic solar cell with a High Conversion Efficiency: An Application of Two-Dimensional Materials	CSIR, New Delhi	Dr. Yogendra Kumar Prajapati, ECED	Electronics & Communication Engineering	22/0882/23/EMR-II	13.07.2023	33,84,160
13	An Assessment of the Atal Pension Yojana (APY) Awareness and Penetration in Prayagraj Division of Uttar Pradesh	ICSSR, New Delhi	Prof. Tanuj Nandan, Co-Ordinator Dr. Ravindra Tripathi & Other	Schools of Manangement Studies	212/CRP-2023-724/APY/SCD	25.09.2023	8,06,250
14	Assessing the Reach and Socio-economic Impact of Skill India Mission (PM Kaushal Vikas Yojana): A Rigorous Evaluation and Model Development for Enhancing the Scheme's Impact in Uttar Pradesh	ICSSR, New Delhi	Dr. G. P. Sahu, SMS	Schools of Manangement Studies	254/CRP-2023/1059/SIP(PMKVY)/SCD	25.09.2023	15,00,000
15	Multi-sensor-multi-platform LiDAR systems integrated with a camera and artificial intelligence for sustainable forest management and urban tree inventories (Project ID- 2568)	UPCST, Lucknow	Dr. Manohar Yadav, GIS	Geographic Information System	CST/D-1509	26.10.2023	13,86,000

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16	Green Energy Management & Audit System Usin IoT: A Study Based in Uttar Pradesh (Project ID - 3109)	UPCST, Lucknow	Dr. Yatish Joshi (resigned), Dr. Tanuj Nandan, Current PI	Schools of Management Studies	CST/D-1508	26.10.2023	13,86,000
17	Development of novel shape memory polyment composites for shape fixity, recovery and functional properties (Project ID- 2277)	UPCST, Lucknow	Dr. Abhishek Kumar, AMD	Applied Mechanics	CST/D-1273	19.10.2023	9,72,000
18	Spectrally Efficient Antenna Design for 5G and 6G using Reconfigurable Intelligent Surface (Project ID - 3054)	UPCST, Lucknow	Dr. Vinay Kumar, ECED	Electronics & Communication Engineering	CST/D-1268	19.10.2023	13,83,000
19	International Travel Scheme for Attending "Goldschmidt 2023 France"	SERB, New Delhi	Dr. Joyabrata Mal	Biotechnology	ITS/2023/002268	27.09.2023	91,402
20	Assessment of patient derived Exosomal Contents and Computational Analysis: Implication in Early Diagnosis, Risk Assessment for Pancreaticobiliary Cancer in India	DBT, New Delhi	Dr. Girjesh Kumar Patel, Biotechnology	Biotechnology	BT/RLF/Re-entry/54/2020	22.03.2023	53,60,000
21	Secure message dissemination in cognitive vehicular cloud network for improved road safety (Project ID: 2434)	UPCST, Lucknow	Dr. Arun Prakash PI, SMS	Schools of Management Studies	CST/D-1399	20.10.2023	11,50,000
22	Advance Course: InSAR for Disaster Preparedness and Precursors	Indian Institute of Remots Sensing, Dehradun	Dr. Ramji Dwivedi	Geographic Information System	IIRS/DO/D MSP-ASCB/Cap Build/2023	27.01.2022	9,12,500
23	Awareness Workshop: Advances in Geospatial Techniques for disaster Mitigation	Indian Institute of Remots Sensing, Dehradun	Dr. Ramji Dwivedi	Geographic Information System	IIRS/DO/D MSP-ASCB/Cap Build/2023	13.01.2022	2,47,000
24	Design and development of a continuous compact integrated hydroponics-biosorption system: A sustainable approach for cultivation of vegetables/herb plants and domestic waste water treatment simultaneously (Project ID - 3086)	UPCST, Lucknow	Dr. Sushil Kumar	Chemical Engineering	CST/D-1412	20.10.2023	6,50,000
25	Roll of small solid particles to control the damage due to storage explosion	UPCST, Lucknow	Dr. Gorakh Nath	Mathematics	CST/D-1522	26.10.2023	11,36,000
26	Design and Development of Biomechanical Therapeutics to Mitigate Osteoporosis in Postmenopausal Women with Diabetes Mellitu	Ministry of Education, New Delhi	Dr. Abhishek Kumar Tiwari, AMD	Applied Mechanics	MoE-STARs/STARs-2/2023-0527	26.09.2023	34,00,000
27	Artificial Intelligence - Based Real-time Posture Correction System for Desk Workers in Medical Settings using Wearable Devices and Computer Vission (Project ID - 2566)	UPCST, Lucknow	Dr. Rupesh Kumar Dewang, CSED Dr. Ranvijay, CSED	Computer Science & Engineering	CST/D-2102	11.12.2023	8,00,000
28	Design of Novel heterogeneous catalysts for CO2 capture from flue gas baed on density fundctonal theory computations	SERB, New Delhi	Dr. Manju Verma, Chemicals Engineering	Chemical Engineering	EEQ/2023/000011	20.12.2023	41,91,264
29	Design and development of ML based adaptive optimal control algorithms for efficient regulation of the Wheeled Robots for Disaster Response.	SERB, New Delhi	Dr. Sumit Kumar Jha, ECED	Electronics & Communication Engineering	CRG/2023/004912	18.01.2024	24,08,991
30	Project on Training programs in structural Bioinformatics and Drug Designing	DBT, New Delhi	Prof. R. P. Tiwari AMD, Prof. A. K. Ojha, Physics Dr. Ashutosh Mani, BTD Prof. Ramesh Pandey AMD	Applied Mechanics & Biotechnology	BT/PR40335/BID/7/969/2020	20.09.2023	16,21,000

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31	Delineating the role of Epigenetic modifications over Socs3 Promoter region in nanosized Titanium dioxide sensitized airways of murine model	DST, New Delhi	Dr. Vani Mishra, WOS-A Under Prof. Shivesh Sharma, Biotechnology	Biotechnology	DST/WOS-A/LS-305/2021 (G)	10.11.2023	31,33,014
32	Coordinated operation of Cloud-hosted Digital Twin for Hydrogen Electrolyzers in Weak Grids [CODE Grid]	SERB, New Delhi	Dr. Navneet Kumar Singh, EED	Electrical Engineering	EEQ/2023/000920	16.02.2024	20,71,564
33	Assessing the role of Social Innovation in Promoting Circular Economy Practices in India	ICSSR, New Delhi	Dr. Richa Singh Dubey, Senior Fellowship Under, Prof. Tripti Singh SMS	Schools of Manangement Studies	2-10/2023-24/SF/GEN	11.01.2024	5,80,000
34	Karyashala on A parctical approach to Machine Learning and Deep Learning for Computer Vision applications using high-end computing resources	SERB, New Delhi	Dr. Dushyant Kumar, CSED	Computer Science & Engineering	AV/KAR/2023/0629	12.02.2024	5,00,000
35	Karyashala on Workshop on high-end Optoelectronics Devices: Fabrication, Characterization, and Functionalization	SERB, New Delhi	Dr. Deepak Punetha, ECED	Electronics & Communication Engineering	AV/KAR/2023/0596	20.02.2024	5,00,000
36	Plant growth-promoting bacteria as bioinoculants for combating drought stress in long bean (<i>Vigna unguiculata</i> ssp. <i>sesquipedalis</i>)	SERB, New Delhi	Dr. Ashutosh Mani, Biotechnology	Biotechnology	CRD/2022/000585	23.02.2024	40,15,904
37	Prototype design and performance analysis of an energy efficient domestic biogas cook-stove burner	SERB, New Delhi	Dr. Bireswar Paul, MED		CRG/2023/002506	18.03.2024	42,84,479
38	Investigating the role of RSPO2 mediated tumor suppressive or oncogenic activity in metastatic CRC cells: A therapeutic approach	SERB, New Delhi	Dr. Sameer Srivastava		CRG/2023/006956	05.03.2024	44,66,264
Total							9,15,73,965

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1	Development of Aerobic Granular Sludge based biological treatment system for treating	BRNS, DAE, Mumbai	Dr. Joyabrata Mal, DBT	Biotechnology	56/14/02/2022-BRNS/10224	03.06.2022	28,08,100
2	Regional Centre for Geodesy (for four Institute)	DST/NRDMS	Dr. Ramji Dwivedi	GIS Cell	NRDMS/02/79/019	31.03.2022	1,40,90,720
3	Fund for Science and Engineering Research	DST New Delhi	Head, EED	Electrical Engineering	SR/FST/ET-I/2021/794	02.03.2022	1,41,00,000
4	Influence of microbial diversity on heavy metal removal and bio-electricity generation in a constructed wetlands integrated microbial fuel cell system: A sustainable approach for treatment of heavy metal contaminated industrial waste water	SERB, New Delhi	Dr. Radharani, DBT	Biotechnology	SPG/2021/004678	25.08.2022	54,49,400
5	Novel Processes of Synthesis of Physically Modified Starches for Application in Food Products and Agrowaste Composite Packaging Films	UPCST Lucknow	Dr. Harinder Singh	Chemical Engineering	CST/AAS/2022/D-1211	29.08.2022	10,44,000
6	Thermal Performance evaluation of Earth-Air tunnel assisted Greenhouse in tropical conditions like Uttar Pradesh (P.I.D-1929)	UPCST Lucknow	Dr. Ashwini Kumar Yadav, MED	Mechanical Engineering	CST/D-1182	29.08.2022	8,00,000
7	Design of Wideband Wearable Antennas for Medical Internet of Things (MIoT) and 5G Used in Remote Healthcare Applications (PID-1387)	UPCST Lucknow	Dr. Vijay Shankar Tripathi, ECED	Electronics & Communication Engineering	CST/D-1185	29.08.2022	11,92,000
8	Development of Electric Vehicle Charging Infrastructure for Building Micro-Grids Containing Renewables for Smart City Applications (P.I.D.-1395)	UPCST Lucknow	Dr. Prashant Kumar Tiwari, EED	Electrical Engineering	CST/D-1186	29.08.2022	10,92,000
9	Structural Health Monitoring of Buildings Using Electro-Mechanical Impedance Techniques (P.I.D.-1813)	UPCST Lucknow	Dr. Rama Shanker, CED	Civil Engineering	CST/D-1192	29.08.2022	9,12,000
10	Internet of Things (IoT) and Machine Learning (ML) based Smart UAV-Assisted Emergency System for Disaster Management (PID -1199)	UPCST Lucknow	Dr. J. Sathish Kumar, CSED	Computer Science & Engineering	CST/D-1219	30.08.2022	5,80,000
11	Artificial Intelligence Based Identification and Segregation of Plastic Waste from Garbage for Enhanced Recycling (I.D.-1761)	UPCST Lucknow	Dr. Divya Kumar, CSED	Computer Science & Engineering	CST/D-1220	30.08.2022	10,44,000
12	Investigation of two-fluid flows (micropolar-Newtonian) through a complex porous medium and their applications in engineering sciences (Project ID : 1103)	UPCST Lucknow	Dr. Pramod Kumar Yadav, Mathematics	Mathematics	CST/D-1306	01.09.2022	10,04,000
13	Development of a multiplex QPCR assay based on miRNAs expression in liquid biopsy for early diagnosis of epithelial ovarian carcinoma	UPCST Lucknow	Dr. Manisha Sachan, DBT	Biotechnology	CST/Biotech/RS-1941 D-12	30.08.2022	6,00,000
14	Polymeric Nanocomposite (PNC) for bonding dissimilar material surfaces	DRDO, Kanpur	Dr. Sunil Kumar Gupta, MED	Mechanical Engineering	TR/0569/CARS/138	02.11.2022	9,90,000
15	Study on therapeutic and preventive efficacies of linoleic acid in hamster model of visceral leishmaniasis	ICMR, New Delhi	Dr. Ambak Kumar Rai, DBT	Biotechnology	6/9-7 (265)/KA/2021/ECD-II	22.11.2022	11,97,379
16	Computational screening to identify plant derived DPP IV inhibitors as therapeutics of diabetes type 2	SERB, New Delhi	Dr. Ashutosh Mani, DBT	Biotechnology	CRG/2022/002804	19.12.2022	53,73,764
17	Solar PV Supported Reconfigurable EV charger with Reduced Switching Devices	Meity, New Delhi Under NaMPET-III	Dr. Rajesh Gupta	Electrical Engineering	25(6)/2020-ESDA	10.06.2022	30,70,976
18	Investigating healthcare data management using blockchain technology and Internet of Things	SERB, New Delhi	Dr. Sathish Kumar, CSED	Computer Science & Engineering	EEQ/2022/000287-C & G	18.01.2023	23,49,855

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19	International Conference on "1st International Conference on Advances in Biopolymers and Composites: Health, Environment and Energy (ABC-HEE, 2022)	SERB, New Delhi	Dr. Sangeeta Negi, DBT	Biotechnology	SSY/2022/000505	31.10.2022	2,00,000
20	Inspire Fellowship Scheme	DST, New Delhi	Ms. Harshita	Mathematics	DST Inspire Fellowship/REL	27.01.2023	4,58,960
21	Development of a multiplex QPCR assay based on miRNAs expression in liquid biopsy for early diagnosis of epithelial ovarian carcinoma	UPCST Lucknow	Dr. Manisha Sachan, DBT	Biotechnology	CST/D-2478	31.01.2023	6,00,000
22	Development and hardware implementation of deep learning based pre-processing techniques for thermal image application	DRDO, Kanpur	Dr. Basant Kumar, ECED	Electronics & Communication Engineering	DIR/ECS/IRDE/PROC(PCR)	31.03.2022	15,00,000
23	Design and development of a non-invasive, smart, and portable device for real-time assessment of bone fracture healing progression	SERB, New Delhi	Dr. Abhishek Kumar Tiwari, AMD	Applied Mechanics	CRG/2022/003723	02.03.2023	47,85,264
24	Monitoring & Investigation on lightning phenomena and its associated processes using lightning detection systems (LDS) at Collaborating Institutes	NRSC	Dr. Ramji Dwivedi	GIS Cell	Through MOU		1,00,000
25	Modeling of Shock Induced Sympathetic Detonation in Explosiva Wa.....	DRDO, CARS	Dr. A. K. Upadhyay	Applied Mechanics	HEMRL/MMD/3044/EDS/20	20.09.2022	9,93,560
26	International Conference on "IEEE-International Conference on Microwave, Antenna and Communication (MAC 2023)"	SERB, New Delhi	Prof. Vijay Shanker Tripathis, ECED	Electronics & Communication Engineering	SSY/2022/001092	10.02.2023	1,50,000
27	Design and Development of a proof-of-Concept Model of a Self-Deployable Ultra-light Weight Adaptive Inflatable Structures	SERB, New Delhi	Dr. Satish Kumar, AMD	Applied Mechanics	CRG/2022/000671	14.02.2023	27,06,261
28	Investigating Aetiology of Early Age Onset Colorectal Cancers (EOCRC) using MultiOmics technology: A case Control Study	ICMR, New Delhi	Dr. Sameer Srivastava, DBT	biotechnology	5/13/32/2022/NCD-III	13.03.2023	29,24,129
29	Effect of polyherbal formulations on energy and stamina	Emami Limited	Dr. Vishnu Agarwal, DBT	biotechnology	NIL	06.02.2023	4,56,000
Total							7,25,72,368

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1	Sustainable Energy System for Achieving Novel Carbon Neutral Energy Communities (SUSTENANCE)	DST, New Delhi	Prof. Nand Kishor / Dr. Manohar Yadav	Electrical Engineering/GIS Cell	DST/TMD/INDIA/EU/ILES/2	30.06.2021	64,35,220
2	Generation fo comprehensive methylome towards developing a qPCR based epigenetic biomarker panel for early detection of buccogingival and tongue carcinoma	ICMR, New Delhi	Dr. Manisha Sachan, DBT	Biotechnology	5/13/24/2020/NCD-III	06.07.2021	35,53,747
3	DHR-GIA Proposal: USHA: Urine Sense towards Health Analysis of kidney	ICMR, New Delhi	Co-PI- Dr. Pranab Kumar Kundu	Mechanical Engineering	5/3/8/14/GIA-ITR (PART-2)	14.09.2021	9,96,800
4	Development of an Integrated intelligent surveillance system for suspicious behaviour analysis	SERB, New Delhi	Dr. Dushyant Kumar Singh	Computer Science & Engineering	CRG/2020/001982	14.09.2021	25,56,400
5	Phenotypic Characterization and gene mapping of novel early rice flowering mutants during the floral transition and seed formation	SERB, New Delhi	Dr. Nand Kumar Singh, DBT	Biotechnology	CRG/2021/001019	27.12.2021	30,36,264
6	Design of two-dimensional digital filters using finite-frequency reduced-order modelling	SERB, New Delhi	Dr. Deepak Kumar, EED	Electrical Engineering	MTR/2021/000722	14.01.2022	6,60,000
7	Development of a co-culture strategy for enhanced production of streptomycin using a hollow fiber membrane bioreactor	SERB, New Delhi	Dr. Rupika Sinha, DBT	Biotechnology	SRG/2021/001561	04.01.2022	30,93,608
8	Understanding the human endogenous retrovirus-mediated regulation of CD5 isoform expression and its functional characterization	SERB, New Delhi	Dr. Ambak Kumar Rai, DBT Dr. Sameer Srivastava, DBT	Biotechnology	CRG/2021/002331	12.01.2022	41,63,324
9	Development of Non-Invasive Saliva based Glucometer for Diabetes Management	SERB, New Delhi	Dr. Shweta Tripathi, ECED	Electronic Communication Engineering	CRG/2021/001199	21.01.2022	23,48,764
10	Engineering adhesive CeO2-Pd nanozyme as effective antibiotics towards bacteria killing	SERB, New Delhi	Dr. Seema Nara, DBT	biotechnology	CRG/2021/002954	03.02.2022	44,22,240
11	The effect of axial tension and temperature on stress distribution in SiC fibers at different stage of pyrolysis process	DRDO, New Delhi	Dr. V. Murari, AMD	Applied Mechanics	TR/0569/CARS-125	16.06.2021	6,29,625
12	Development of Unintentional Islanding Protection Scheme with Low Voltage & Frequency Ride Through Capability	SERB, New Delhi	Dr. Suman M, EED	Electrical Engineering	EEQ/2021/000033	16.03.2022	33,23,144
13	Kinetic and Thermodynamic Analyses of Pyrolysis of Sugarcane Leaves Through Thermogravimetric Analysis	Indian Institute of Chemical Engineering, Kolkata	Dr. A. N. Sawarkar	Chemical Engineering	AG/R&D/2022/520	03.02.2022	10,000
14	Mentoring and Monitoring of Government School of Uttar Pradesh under Rastriya Aaviskar Abhiyan	Basic Education Dept Govt UP	Dr. Shivesh Sharma, DBT	biotechnology	RAA/4518/2021-22	09.12.2021	11,25,000
Total							3,63,54,136

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1	Conducting two 5 days each training Course on InSAR: Theory, Processing and Application and Geospatial Technologies for Disaster Management	DST, New Delhi	Dr. RamJi Dwivedi	GIS, Cell	NRDMS/02/90/2020	25.08.2020	10,00,000
2	Design and Development of Printed/Dielectric Resonator Antennas for 5G Communication System	SERB, New Delhi	Dr. Anand Sharma	Electronics & Communication Engineering	File No. SRG/2020/000043	27.10.2020	25,60,520
3	Effect of boundary layer growth on blast wave mitigation studies inside the shock tube	SERB, New Delhi	Dr. Abhishek Kundu	Applied Mechanics	File No. SRG/2020/000168	28.10.2020	28,17,430
4	Development of Novel Protection Schemes for HYBRID Microgrid	SERB, New Delhi	Dr. Saumendra Sarangi	Electrical Engineering	File No. SRG/2020/002302	02.11.2020	27,48,650
5	Design and Development of Dielectric Resonator Antenna for Smart City Applications	UPCST	Dr. Anand Sharma	Electronics & Communication Engineering	CST/D-2396	24.03.2021	7,28,000
6	AN IoT enabled portable device for OND/ONSD based automated detection of Intracranial Pressure (ICP) through ocular USG Imaging	DST, New Delhi	Dr. Basant Kumar	Electronics & Communication Engineering	TDP/BDTD/22/2021/Genera	18.03.2021	24,73,540
7	Point-of-Care AI Technology based X-ray imaging device for automated early diagnosis of viral respiratory diseases	DST, New Delhi	Dr. Mukul Shukla	Mechanical Engineering	TDP/BDTD/05/2021 (G) & (G)	23.03.2021	51,59,918
8	An Online High-End workshop (KARYASHALA) on advancements in In Vitro Diagnostic method in Healthcare	SERB, New Delhi	Dr. Seema Nara	Biotechnology	File No. AV/KAR/2020/0210	23.03.2021	1,50,000
Total							1,76,38,058

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1	E-Mobility: An Electricity Grid Perspective	MHRD, New Delhi	Dr. Asheesh Kumar Singh EED	Electrical Engineering	SPARC/2018-2019/P1542/SI	25.06.2019	63,38,355
2	SERB Research Scientist (SRS) Fellowship Scheme	SERB, New Delhi	Dr. Rohit Ranjan Shahi, Physics	Physics	SB/SRS/2018-19/39/PS	08.07.2019	46,00,000
3	Indo-Finland joint call for Mobility of Researchers	DST, New Delhi	Dr. Nand Kishor, EED	Electrical Engineering	DST/INT/Finland/call-2018/5	11.07.2019	1,00,000
4	DST Inspire Faculty award	DST, New Delhi	Dr. Surya Deo Yadav		DST/INSPIRE Faculty Fellowship/BATCH-15/2019	15.07.2019	22,00,000
5	Designing and development of a novel quorum quenching and lytic bacteriophage cocktail based therapeutic strategy by using QS regulated CRISPR-cas system to prevent Pseudomonas aeruginosa and its biofilm associated infections.	ICMR, New Delhi	Dr. Vishnu Agarwal, DBT	Biotechnology	AMR/ADHOC/184/2019-ECD-II	06.09.2019	48,47,180
6	GIS-based Mapping of Microbial Diversity across the Ganges for Ecosystem Services	Ministry of Jal Shakti, New Delhi	Dr. Shivesh Sharma, DBT	Biotechnology	F.No.-TE-16015/11/2019-TECH5 NMCG	06.09.2019	57,75,000
7	Syntheses, Characterisations and Applications of Luminescent metal organic Frameworks	DST, New Delhi	Dr. Arti Chouhan, Chemistry	Chemistry	SR/WOS-A/CS-121/2018 (G)	17.09.2019	27,95,000
8	Developing a Model for Effective Adoption of Solar Energy System in India	ICSSR, New Delhi	Dr. Ganesh Sahu, SMS	School of Management Studies	IMPRESS/P2103/346/2018-19/ICSSR	24.09.2019	12,00,000
9	Collaborative project with CSIR-NEERI during Kumbh Mela 2019	CSIR-NEERI Nagpur	Dr. Shivesh Sharma, DBT	Biotechnology	Collaborative Project with CSIR-NEERI	21.01.2019	3,92,090
10	Indo-Norway Joint Project entitled: Integrated Renewable Resources and Storage: Operation and management [IReSOPM]	DST, New Delhi	Dr. Richa Negi, EED	Electrical Engineering	INT/NOR/RCN/P-02/2019	07.11.2019	46,52,760
11	Role of poly aromatic hydrocarbon (PAH) in exonal switch of cd5 gene of human T cells	DST, New Delhi	Ms. Smita Kumari	Biotechnology	DST/WOS-B/2018/775-HFN (G)	15.11.2019	22,86,368
12	DST-FIST (Fund for Improvement in S&T Infrastructure).	DST, New Delhi	Head, Mathematics (Dr. Manoj Kumar)	Mathematics	SR/FST/MS-II/2018/16(C)	18.11.2019	45,00,000
13	Development of a Novel Electrochemical membrane bioreactor (EMBR) for the treatment of low strength municipal wastewater and Generation of sustainable bioelectricity simultaneously	SERB, New Delhi	Dr. Suantak Kamsonlian	Chemical Engineering	EEQ/2019/000395	19.12.2019	39,30,195
14	Augmentation of fermentative biohydrogen production by using nanoparticles and immobilization techniques for mitigating biowastes	DST, New Delhi	Ms. Priya Rai (Staff)	Biotechnology	SR/WOS-A/ET-119/2018 (G)	30.12.2019	28,89,400
15	Mapping groundwater quality Depleted area, Potential Groundwater Recharge Zones and Evolving the Farmer's Need based Groundwater Recharge structures in District Mahoba of Bundelkhand region of UP.	DST, New Delhi	Dr. Hemant Kumar Pandey	Civil Engineering Department	NRDMS/01/267/2019 (G)	15.01.2020	14,99,040
16	Design and Development of Underwater Sensor Networks using Magnetic Induction based Communications	SERB, New Delhi	Dr. Vinay Kumar, ECED	Electronics & Communication Engineering	FILE NO.ECR/2016/001351	23.12.2019	11,97,248
17	Study on Cyber-physical Approach for Electric Power Grid	SERB, New Delhi	Prof. Nand Kishor	Electrical Engineering	FILE NO.CRG/2019/000951	16.03.2020	54,29,263
Total							5,46,31,899

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SI	Title of the Projects	Name of the Funding Agency	Name of Principal Investigator	Department	Sanction No.	Sanction Date	Sanctioned Amount in Rs.
List of Sanctioned Project in Financial Year 2018-19							
1	Studies on Nanoparticles (FeO ₂ and CuO-NPS) Mediated Toxicity, Tolerance Mechanisms and Their Toxicity Management in Some Susceptible and Tolerant Rice (<i>Oryza sativa</i> L.) Varieties	CSIR, New Delhi	Dr. Shivesh Sharma	Biotechnology	38 (1460)/18/EMR-II	04.04.2018	30,96,000
2	Impact of <i>Vetiveria zizanioides</i> (L.), its root exudates and associated microbial communities on biogeochemistry of heavy metals and their application in development of remediation strategies for heavy metal contaminated sites	SERB, New Delhi	Dr. Radha Rani Mewaram	Biotechnology	ECR/2017/001175	06.07.2018	35,97,924
3	Testing and Evaluation of Crowd Management Strategies at Kumbh Mela Allahabad using Agent Based Modelling and Simulation	Senior Superintendent of Police, Kumbh Mela Allahabad UP	Dr. Mayank Pandey	Computer Science and Engineering	UO-75/9-1-2018-23 मेला / 2017	19.07.2018	10,00,000
4	Young Faculty Research of the Visvesvaraya PhD Scheme for Electronics & IT	MeiTy (for YFRF)	Dr. Mayank Pandey	Computer Science and Engineering	MLA/MUM/GA/10(37/B)	30.07.2018	14,80,000
			Dr. Basant Kumar Dr. Y. K. Prajapati Dr. Krishna Kr Mishra	ECEDC ECED CSED	PhD-MLA/4(20)/2015-16 PhD-MLA/4(20)/2015-16/01	27.07.2018	44,40,000
5	Effect of Dual Modifications of Starch Isolated from Various Cultivars of Sorghum for the Production of Specialty and Resistant Starches and Evaluation of Genotype Diversity in Cultivars Using Flour As Model	Ministry of Food Processing Industries (MoFPI)	Dr. Harinder Singh, Assistant Professor, Chemical Engineering	Chemical Engineering	F.No. Q-11/30/2018-R&D	17.12.2018	31,60,520
6	Quad-captor application for live-inspection of power transmission lines	DST, New Delhi	Dr. J. C. Mohanta, MED	Mechanical Engineering	DST/ICPS/CPS-Individual/2018/32 (G)	03.01.2019	24,12,300
7	Intelligent detection and mitigation of DDoS Attack in SDN	DST, New Delhi	Dr. Shashank Srivastava	Computer Science and Engineering	DST/ICPS/CPS-Individual/2018/490 (C)	08.01.2019	24,64,880
8	In SITU Biodiesel Production From Microalgae Using Ultrasonic Assisted Reactor	SERB, New Delhi	Dr. Dipesh Shikchand Patle, Chemical	Chemical Engineering	ECR/2016/001866	28.01.2019	3,97,561
9	Visible-light mediated synthetically important radical reactions of vinyl epoxides	DST, New Delhi	Dr. Ruchi Chawla, Chemistry	Chemistry, Under Dr. P. K. Dutta	SR/WOS-A/CS-54/2018 (G)	05.02.2019	26,34,000
10	Screening and identification of natural inhibitors for β -Secretase-1 as potential therapeutics against alzheimer's disease	SERB, New Delhi	Dr. Ashutosh Mani, BDT	Biotechnology	CRG/2018/001912	09.03.2019	45,17,480
Total							2,92,00,665

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Sl	Title of the Projects	Name of the Funding Agency	Name of Principal Investigator	Department	Sanction No.	Sanction Date	Sanctioned Amount in Rs.
List of Sanctioned Project in Financial Year 2017-18							
1	National Post-Doctoral Fellowship Scheme	SERB, New Delhi	Hari Pratap Bhaskar under Dr. S. N. Pandey	Physics	PDF/2016/00370	01.04.2017	19,20,000
2	Life Prediction of Turbine Blades Under Coated and Uncoated Conditions (GTMAP)	AR & DB, New Delhi	Dr. K. N. Pandey	Mechanical Engineering	ARDB/GTMAP/01/2031851	12.04.2017	24,33,000
3	Biosynthesis of Isoprene, and industrially important hydrocarbon, using e.coli as Model Organism	DBT, New Delhi	Dr. Sameer Srivastava	Biotechnology	BT/PR 20623/BBE/117/245/2016	06.06.2017	48,12,993
4	Numerical Studies of effects on human-heart due to growing blockage in coronary artery	DBT, New Delhi	Dr. Manoj Kumar	Mathematics	BT/PR15126/BID/7/546/2015	05.07.2017	21,73,200
5	Role of Graphene and MoS2 on Performance of Surface Plasmon Resonance Based Sensors: An Application to Bio Sensing	DAE, BRNS Mumbai	Dr. Yogendra Kumar Prajapati	Electronics & Communication Engineering	34/14/10/2017-BRNS/34285	01.08.2017	20,21,900
6	Green Composite Prepared by Waste Sugarcane Bagasse and Poly Lactic Acid (PLA) for Packaging Application	CST UP	Dr. Manoj Kumar Gupta	Mechanical Engineering	CST/1972	24.08.2017	10,44,000
7	Multi-Temporal Interferometric Sar (MT-InSAR) Studies for near real-time landslide monitoring	ISRO, Bangalore	Dr. Ram Ji Dwivedi	GIS Cell	अ-No.DS-2B-13012(2)/29/2017	31.08.2017	45,43,000
8	Dam Rehabilitation and Improvement Project of Central Water Commission (CWC)	Central Water Commission (CWC), New Delhi	Dr. Ram Prakash Tiwari	Civil Engineering	IMPACC(IV)/di725503/DELHI/DL-DLH	29.09.2017	4,61,00,000
9	DST- Under FIST Program	DST, New Delhi	Dr. Head of ECED	Electronics & Communication Engineering	SR/FS1/E11-418/2016 (C)	25.10.2017	1,15,00,000
10	Bioremediation for removal of reactive dyes from industrial waste water	CSIR, New Delhi	Dr. Sushil Kumar, Chemical Engineering	Chemical Engineering	CST/D-3088	03.11.2017	10,44,000
11	Mathematical Simulations of Nanoarticles as Drug Carrier on Blood Flow through a Stenotic Artery	SERB, New Delhi	Dr. B. Vasu	Mathematics	ECR/2017/001053	30.06.2017	22,80,520
12	Improvement of Mechanical Properties due to Friction Stir Processing (FSP) and Addition of Hard Phase Particle	Shashi Associates Pune	Dr. Ajay Bharti	Applied Mechanics	Nil dated 13.11.2017	13.11.2017	1,00,000
13	Design and development of a patch antenna based non-invasive blood sugar monitoring system	CST UP	Dr. V. S. Tripathi	Electronics & Communication Engineering	CST/D-4067	09.11.2017	8,94,000
14	FIST Program DST	DST, New Delhi	Shivesh Sharma, Head DBT	Biotechnology	SR/FST/LSI-661/2016 (C)	15.12.2017	83,00,000
15	Prototype Development of a Novel Dry Powder Inhaler (DPI) for Pulmonary Drug Delivery	CST UP	Dr. Akshoy Ranjan Paul	Applied Mechanics	CST/D-8249	07.02.2018	11,94,000
16	Development of Microbial Fuel Cell (MFC) based process for domestic wastewater treatment and power generation:Application in improving treatment sustainability	SERB, New Delhi	Dr. Radha Rani Mewaram	Biotechnology	EEQ/2017/000464	15.03.2018	39,26,000
17	Study of water and terrestrial biofilms using foldscope as a tool to address community health and sanitation issues	Biotechnology (BCIL)	Dr. Vishnu Agarwal	Biotechnology	BT/IN/Indo-US/Foldscope/39/2015	20.03.18	8,00,000
18	Development and Performance Study of Milling Electro-Chemical Spark Micromachining Progress.	UPCST	Dr. Audhesh Narayan	Mechanical Engineering	CST/D-8328	14.03.2018	7,80,000

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SI	Title of the Projects	Name of the Funding Agency	Name of Principal Investigator	Department	Sanction No.	Sanction Date	Sanctioned Amount in Rs.
19	DBT-TANUVAS Canine Research Centre and Networks	DBT, New Delhi	Co-PI-Dr. Seema Nara	Biotechnology	BT/ADV/Canine Health/TANUVAS/2017-18	27.03.2018	13,65,000
20	Strategies for Development of Handicraft Sector in IndiaL An Empirical Study of Handicrafts Sector in Uttar Pradesh	ICSSR, New Delhi	Dr. Ravindra Tripathi,	HSS	02/220/2017-18/RP/Minor	10.01.2018	3,15,000
Total							9,75,46,613.00

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SI	Title of the Projects	Name of the Funding Agency	Name of Principal Investigator	Department	Sanction No.	Sanction Date	Sanctioned Amount in Rs.
List of Sanctioned Project in Financial Year 2016-17							
1	National Post-Doctoral Fellowship	SERB, New Delhi	Dr. Ram Pratap Yadav	Physics	PDF/2015/000590	24/06/2016	19,20,000
2	Identification of Groundwater prospect and recharge zones in Districts Banda and Mahoba of Bundelkhand region of Uttar Pradesh	DST, New Delhi	Dr. Hemant Kumar Pandey, CED	Civil Engineering	NRDMS/01/118/015 (G)	01/09/2016	18,08,000
3	Studies on Pyrolysis of Rice Husk	Marathi Vidnyan Parishad, Mumbai	Dr. A. N. Sawarkar, Chemical Engineering Department	Chemical	154/MVP/16-17	02/09/2016	1,00,000
4	Moeling, Simulation and Development of Smart Active Ankle Foot Orthotic Device for Gait Rehabilitation	DBT, New Delhi	Dr. R. P. Tiwari, AMD	Applied Mechanics	BT/PR15691/NER/95/23/2015	07/09/2016	17,83,000
5	Numerical Algorithms based on Neural Network for the solution of bounday value problems	NBHM, Mumbai	Dr. Manoj Kumar, Math. Deptt.	Mathematics	2/48(1)/2016/NBHM(R.P)/R &D II/13847	19/10/2016	13,64,600
6	Hydrodynamics modelling of Complex porous membranes and their applications in engineering ssciences	SERB, New Delhi	Dr. Pramod Kumar Yadav, Mathematics	Mathematics	SR/FTP/MS-047/2012	15/11/2016	8,08,500
7	Design of Neural Network Based Pacemaker	DST, New Delhi	Dr. Basant Kumar	Electronics & Communication Engineering	BT/PR15673/NER/95/22/2015	09/12/2016	14,93,000
8	Wireless Sensor Network (WNS) Routing for Industrial Application : Algorithm Design and Harware	CST, Lucknow	Dr. Arun Prakash, ECED	Electronics & Communication Engineering	CST/2872	13/12/2016	6,80,000
9	SERB Overseas Postdoctoral Fellowship 2015-16	SERB, New Delhi	Dr. Deepak Kumar	Electrical Engineering	SB/OS/PDF-262/2015-16	20/03/2017	27,50,570
10	Landslide inventory Preparation using Multi-temporal SAR Interferometry (InSAR)	DST, New Delhi	Dr. Ramji Dwivedi	GIS Cell	NRDMS/02//37/016 (G)	09/03/2017	20,44,100
11	Development of Ferrite-Semiconductor Composites Hollow Nanospheres Based Sensors for Enhanced Bio and Gas Sensing Performances	CSIR, New Delhi	Dr. Naresh Kumar	Physics	03(1386)/16/EMR-II	01/12/2016	18,20,800
12	Study to establish infection of L. donovani through intradermal route in hamsters and its pathological validation	DBT, New Delhi	Dr. Ambak Kr. Rai	Biotechnology	BT/PR14154/MED/29/965/2015	15/03/2017	10,14,750
13	Identification of Novel Epigenetic Biomarkers Next Generation Sequencing Technologies towards Developing a Multiplex Methylight Assay for early diagnosis of Epithelial ovarian cancer	ICMR, New Delhi	Dr. Manisha Sachan, Biotechnology	Biotechnology	No.5/13/58/2015-NCD-III	31.03.2017	29,61,860
Total							2,05,49,180.00

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SI	Title of the Projects	Name of the Funding Agency	Name of Principal Investigator	Department	Sanction No.	Sanction Date	Sanctioned Amount in Rs.
List of Sanctioned Project in Financial Year 2015-16							
1	Design and Innovation Centre	MHRD, New Delhi	Dr. Shivesh Sharma	Biotechnology	F. No. 17-2-2014-PN.1 (Vol. II)	20/01/2015	1,00,00,000
2	Information Security Education & Awareness (ISEA) Project, Phase - II	DeitY, New Delhi	Dr. R. S. Yadav	Computer Science and Engineering	1(1)/ISEA-II/PMU/2015	12/02/2015	48,18,000
3	Embedded disturbance detection and classification for the distributed generation source connected to grid	SERB, New Delhi	Dr. Soumya Ranjan Mohanty	Electrical Engineering	SB/S3/EECE/089/2015	09/05/2015	36,93,000
4	Identification of Novel Drug Targets in Aspergillus Fumigatus Genome Prioritized by essentiality based screening and rational designing of new Antifungal compounds	CST, Lucknow	Dr. Ashutosh Mani	Biotechnology	CST/238	12/05/2015	9,18,000
5	Effects of Respirable Suspended particulate Matter (RSPM) on Chronic Obstructive Pulmonary Diseases (CPOD) Using Computational Fluid Dynamics (CFD)	CST, Lucknow	Dr. Anuj Jain, AMD	Applied Mechanics	CST/ECT/D-268	14/05/2015	11,48,000
6	Operation of the Smart Grid With Wide Area Information (Opera Grid)	DST, New Delhi	Dr. Nand Kishor	Electrical Engineering	INT/NOR/RCNP-08/2015	22/05/2015	18,85,980
7	Power Electronics Converter Based Bidirectional Power Flow Controller for Energy Storage Applications	CSIR, New Delhi	Dr. Rajesh Gupta	Electrical Engineering	22(0691)/15/EMR-II	18/06/2015	30,20,203
8	Modeling of Dyes and perovskites based Sensitizer for solar energy harvesting	SERB, New Delhi	Dr. Ajeet Singh	Physics	SB/FT/CS-127/2014	18/07/2015	33,20,000
9	Characterization of Epigenetically Deregulated Genes in Colorectal Adenomas/Carcinomas Using Next Generation Sequencing Technologies for Development of Novel Biomarkers.	DBT, New Delhi	Dr. Sameer Srivastava	Biotechnology	6242-P103/RGCB/PMD/DBT/SM SV/2015	29/07/2015	24,95,500
10	Study to Investigate the Therapeutic Efficacy of CD5 Blocking in Treatment of T Cell lymphoblastic Leukemia	DBT, New Delhi	Dr. Ambak Kumar Rai	Biotechnology	6242-P101/RGCB/PMD/DBT/AMKR/2015	29/07/2015	24,69,000
11	Reactive Extraction of Nicotinic-and Isonicotinic Acids from Aqueous Solution	SERB, New Delhi	Dr. Sushil Kumar	Chemical	SR/FTP/ETA-25/2011	08/08/2015	11,11,000
12	Application of Iron Oxide Nanoparticles for Heavy Metal Removal from River Ganga	DST, New Delhi	Dr. Nekram Rawal/ Jyoti Shrama	Civil Engineering	DST/Disha/SoRF (WOS-B)	03/09/2015	3,53,000
13	Study of Role of Lactone Signaling and Alginate Production on Neutrophil interaction Apoptosis and Subsequent Macrophage Mediated Phagocytosis Against Pseudomonas aeruginosa Biofilm associated infections	SERB, New Delhi	Dr. Vishnu Agarwal	Biotechnology	EMR/2014/000496	11/09/2015	41,40,000
14	Special Manpower Development Programme - Clip to System Design (S M D P - C2SD)	DeitY, New Delhi	Dr. Vijaya Bhadauria/ Dr. Rajeev Tripathi	Electronic Communication Engineering	9(1)2014-mdd (Vol. III)	17/11/2015	99,72,000
15	Implementation of Fast Charging/Discharging PHEVs Integrated with Modern UPS for Peak Demand Reduction in Distribution System	CSIR, New Delhi	Dr. Asheesh Singh	Electrical Engineering	22(0703)/15/EMR-II	23/11/2015	23,05,200
16	A Study on Role of NGOs in Capacity Building & Social Mobilization of rural People: Comparative Study Between Uttar Pradesh and Madhya Pradesh	ICSSR, New Delhi	Dr. Rajesh Kumar Shastri	Humanities & Social Science	F.No. 02/162/SC/2015-16/RPR	17/12/2015	4,00,000
17	Social Priority Based Urban Road Transport System using GIS and DEA: Performance Assessment and Designing for Major Cities of Uttar Pradesh (India)	ICSSR, New Delhi	Dr. Pitam Singh	Mathematics	F. No. 02/234/SC/2015-16/RPR	19/12/2015	8,00,000

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SI	Title of the Projects	Name of the Funding Agency	Name of Principal Investigator	Department	Sanction No.	Sanction Date	Sanctioned Amount in Rs.
18	The Effect of Micro Level Progressive Matrix Plasticity on the Macro Level Response of Unidirectional Composites: Micromechanics Based Study	SERB, New Delhi	Dr. Murari Venkataramanujam	Applied Mechanics	YSS/2015/000432	01/01/2016	24,86,000
19	Research Award	UGC, New Delhi	Dr. B. Basu,	Mathematics	No. F. 30-60/2015 (SA-II)	15/02/2016	7,50,000
20	Hybrid DC Micro Grid System for Future Residential-Rural Electrification	MNRE, New Delhi	Dr. Rajesh Gupta	Electrical Engineering	24/20/2015-SWES (R & D)	16/02/2016	26,98,500
21	Sum of Fractional Multi-objective Programming Problems.	SERB, New Delhi	Dr. Pitam Singh	Mathematics	SB/EMEQ-049/2014	08/03/2016	11,00,000
Total							5,98,83,383

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SI	Title of the Projects	Name of the Funding Agency	Name of Principal Investigator	Department	Sanction No.	Sanction Date	Sanctioned Amount in Rs.
List of Sanctioned Project in Financial Year 2014-15							
1	Ambient Air Quality Monitoring and Noise Monitoring at three locations in Allahabad City.	UPPCB, Lucknow	Prof. R.P. Singh	Civil Engineering	F52976/CL/161/MNNIT/Air Monitoring (khumbh)/2014	19-12-2014	10,56,000
2	Antecedents and Consequences of Investment Behaviour amongst Urban Poor: A Study of Uttar Pradesh.	ICSSR, New Delhi	Dr. Tanuj Nandan	School of Management	F. No. 02-202(GEN)/2014-2015/ICSSR/RPR	24-11-2014	8,00,000
3	Delineating the role of nano-herbal composites in ergosterol biosynthesis inhibition in dermatophytes.	SERB, New Delhi	Dr. Rohit Kumar Mishra	Center for Medical Diagnostic and Research	SB/YS/LS-44/2014	10-10-2014	25,00,000
4	Design and Development of an FPGA Controller for PEM Fuel Cell Power Systems.	DAE, Mumbai	Dr. P. Karuppanan	Electronics & Communication Engineering	No. 34/14/53/2014-BRNS/2067-II	12-12-2014	18,89,200
5	Design and study of the sensitivity of optical biosensors having matamaterials.	SERB, New Delhi	Dr. Yogendra Kumar Prajapati	Electronics & Communication Engineering	SB/FTP/ETA/0478/2012	04-06-2014	23,39,000
6	Domain Specific Functional Investigation of YB-1(a cold shock domain protein) Interactors as Prospective Therapeutic Targets in Adenocarcinoma of colon.	SERB, New Delhi	Dr. Ashutosh Mani	Biotechnology Technology	SB/YS/LS-107/2014	12-03-2015	30,00,000
7	Experimental and Computational Studies on Human Airways.	SERB, New Delhi	Prof. Anuj Jain	Applied Mechanics	SR/S3/MERC/0073/2012	02-06-2014	38,48,200
8	Groundwater System Modeling Under climatic Changes and Uncertainty.	SERB, New Delhi	Dr. Raj Mohan Singh	Civil Engineering	SB/S3/MMER/0012/2014	17-09-2014	20,96,400
9	New Horizons for Unorganised Manufacturing Sector in India: An empirical Study in Uttar Pradesh and Maharashtra.	ICSSR, New Delhi	Dr. Ravindra Tripathi	Humanities & Social Science	F.No. 02/30/2014-15/RPR	22-04-2014	7,00,000
10	Numerical Simulation of Elliptic Interface Problems Arising in Steady State Heat Conduction in Composite Systems.	CSIR, New Delhi	Dr. Manoj Kumar	Mathematics	No. 25(0238)/14/EMR-II	30-10-2014	11,50,400
11	Process Development for the Enzymatic Conversion of Grease into Long Chain Fatty Acid.	DBT, New Delhi	Dr. Sangeeta Negi	Biotechnology Technology	BT/PR4935/PID/6/655/2012	25-07-2014	46,42,600
12	Rapid assay for simultaneous detection of toxins of Staphylococcus aureus and clostridium Botulinum in Dairy products.	SERB, New Delhi	Dr. Seema Nara	Biotechnology Technology	SB/YS/LS-261/2013	15-05-2014	23,80,000
13	Study of arachidonic acid pathway in human visceral leishmaniasis:therapeutic efficacy of -a linoleic acid as a dietary supplement with sodium antimony	SERB, New Delhi	Dr. Ambak kumar Rai	Biotechnology Technology	SB/YS/LS-234/2013	15-05-2014	20,50,000
14	Study of Laser Trepan Drilling of Advanced Engineering Materials.	AR & DB, New Delhi	Dr. A. K. Dubey	Mechanical Engineering	Ard/01/2031751/M/I	12-12-2014	29,55,000
15	Visvesvaraya PhD Scheme for Electronics & IT	DeitY, New Delhi	Dr. Neeraj Tyagi	Computer Science and Engineering	PhD-MLA/4(20)/20147	05/12/2014	8,44,83,600
Total							11,58,90,400

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SI	Title of the Projects	Name of the Funding Agency	Name of Principal Investigator	Department	Sanction No.	Sanction Date	Sanctioned Amount in Rs.
List of Sanctioned Project in Financial Year 2013-14							
1	HR Competency Mapping amongst Women Self Help Groups in Uttar Pradesh	ICSSR, New Delhi	Dr. Tripti Singh	School of Management Studies	F.No. 02/240/2012-RP	24-04-2013	5,00,000
2	Multi-Partnership Model of Self Sustainable Shelters for Urban Homeless Poor	HSMI, New Delhi	Dr. Geetika	School of Management Studies	No- HSMI/R&D/2012-13	30-04-2013	16,00,000
3	Response of Curved Bridges with isolation bearings	SERB, New Delhi	Dr. Goutam Ghosh	Civil Engineering	No. SB/FTP/ETA-290/2012	21-05-2013	11,28,000
4	Study of antibody and human polymorphonuclear neutrophils (PMN) mediated phagocytosis of PNAG positive staphylococcus epidermidis biofilms and estimation of caspase-3 like protease (clp) production (RGY)"	DBT, New Delhi	Dr. Vishnu Agarwal	Biotechnology	No.-BT/PR6175/GBD/27/367/2012	15-05-2013	27,07,000
5	Flow control in complex ducts using synthetic jets	SERB, New Delhi	Dr. A. R. Paul	Applied Mechanics	No.-SB/FTP/ETA-24/2013	16-08-2013	23,93,000
6	Bio- restoration technology based on the management of plant microbe soil interactions for the restoration of degraded ecosystems	DBT, New Delhi	Dr. Shivesh Sharma	Biotechnology	No.-BT/PR7525/BCE/8/972/2013	27-09-2013	7,01,400
7	Cylindrical Electrolytic Magnetic Abrasive Machining (C- EMAM): Development, Modeling and Optimization	CSIR, New Delhi	Dr. Vinod Yadava	Mechanical Engineering	22(0644)/13/EMR-II	21-10-2013	18,37,920
8	Synthesis and optical characterization of low dimension systems	SERB, New Delhi	Dr. Animesh Kumar Ojha	Physics	No.-SR/FTP/PS-038/2011	01.11.2013	23,14,000
9	Integrated bio-hydrogen production from renewable biomass and biological wastes using microbial strains	DBT, New Delhi	Dr. Anjana Pandey	Biotechnology	BT/PR8674/PBD/26/389/2013	28.03.2014	48,19,000
Total							1,80,00,320
List of Sanctioned Project in Financial Year 2012-13							
1	Design and Development of Low cost Plastic Devices for Electronics and Photonic Application	DRDO, New Delhi	Dr. P. Chakrabarti, Director	Electronic Communication Engineering	ERIP/ER/0803699/M/01/1423	16-04-2012	36,46,000
2	Development of Eucalyptus Globules Oil Containing Bio-adhesive Polymeric Nanoparticles and Estimation of its Cytotoxicity potential and assay against Biofilm	SERB, New Delhi	Dr. Vishnu Agarwal	Biotechnology	SR/FT/LS-59/2011	15-05-2012	20,76,000
3	Chitosan Derivatives Containing Azo Based Schiff Bases: Synthesis, Characterization, Spectroscopic and Antimicrobial Studies	CSIR, New Delhi	Dr. P. K. Dutta	Chemistry	02(0059)/12/EMR-II	16-05-2012	16,50,400
4	Solar Photovoltaic Array Power Conversion using Embedded Cascaded Multilevel Inverter	SERB, New Delhi	Dr. Rajesh Gupta	Electrical Engineering	SR/S3/EECE/0053/2012	06.09.2012	34,36,600
5	Organic-Inorganic Hybrid Material Based on Metal Complexes and Polyoxometalates, their Characterization and Application in Catalysis and Gas Absorption.	CSTUP, Lucknow	Dr. S.S. Narvi	Chemistry	CST/SERPD/D-1221	13-09-2012	6,65,000
Total							1,14,74,000

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Sl	Title of the Projects	Name of the Funding Agency	Name of Principal Investigator	Department	Sanction No.	Sanction Date	Sanctioned Amount in Rs.
List of Sanctioned Project in Financial Year 2011-12							
1	Functionalization of Wheat Grains for Enhancement of Bio Available Micronutrients Through Reduction of Phytic Acid Food Inhibitor	DST, New Delhi	Dr. Nand Kumar Singh	Biotechnology	SR/FT/LS-107/2009 (G)	06-09-2011	19,58,000
2	Graded Modules Over Rings Graded by Finitely Generated Abelian Groups	DST, New Delhi	Dr. Shiv Datt Kumar	Mathematics	SR/S4/MS:642/10-1	27-09-2011	10,04,640
3	Process Development for Cellulosic Ethanol Production from Himalayan Chir Pine (Pinus Roxburghii) Forest Waste	DST, New Delhi	Dr. Sangeeta Negi	Biotechnology	SR/FT/LS-112/2009 (G)	30-09-2011	19,90,000
4	"Synthesis and characterization of metal- oxide semiconducign nanostructures wit happropriate doping for various application"	UGC, New Delhi	Dr. P.P.Sahay	Physics	40-450/2011 (SR)	17-10-2011	8,26,800
5	Fate and Transport of Arsenic in Oxide Coated Soil Matrix	UGC, New Delhi	Dr. R.C. Vaishya	Civil Engineering	39-888/2010 (SR)	14-11-2011	6,94,800
6	"Degradation of dyes wastewater through combination of ozonation and anaerobic biodegradation"	DST, New Delhi	Ms. Smita Venkatesh	Chemistry	SR/WOS-A/ET-48/2011 (G)	17-11-2011	14,40,000
7	Ambient air Quality Monitoring & Noise Monitoring	UPPCB, Lucknow	Dr. Ram Pal Singh	Civil Engineering	F-96469/C.Lab/161/Air Mon./Kumbha/Allahabad/2011	20-12-2011	7,12,000
8	Harnessing PGPRs from Indo Gangetic Plain "Region of Uttar Pradesh for Growth Promotion and Disease Suppression in Rice and Pigeonpea	DBT, New Delhi	Dr. Shivesh Sharma	Biotechnology	BT/PR469/AGR/05/545/2011	30-12-2011	48,93,000
9	Sorghum Stover based Biorefinery for Fuels and Chemicals	MNRE, New Delhi	Dr. Sangeeta Negi	Biotechnology	7/176/2011- BF	05-03-2012	38,76,400
10	Studies on Reactivity of selected drugs and correlation with their activity	DST, New Delhi	Ms. N. Chamundeswari Bhanumati Devi	Chemistry	SR/WOS-A/CS-80/2011 (G)	12-03-2012	20,00,000
Total							1,93,95,640

List of Sanctioned Project in Financial Year 2010-11							
1	Role of DNA Methylation in Setting up the Chromatin Organization of Developmentally Important Genes in Mammals	DBT, New Delhi	Dr. Manisha Sachan, BTD	Biotechnology	BT/PR13317/GDB/27/252/2009 Dt	11-06-2010	18,75,000
2	Establishment of New National MEMS Design Centre(PARC# 2:10)"Sanctioned under NP-MASS Programme	Department of Atomic Energy, Bangalore	Mr. Deepesh Tiwari, III Cell	III Cell	ADA:FIN:NP-MASS: FUND-R:2:10:2010-11	13-08-2010	11,16,000
3	Finite Element Approximation and Computer Implementation for Non-Linear Elliptic Singular Perturbation Problems with Engineering Application	CSIR, New Delhi	Dr. Manoj Kumar, Mathematics	Mathematics	25(0187)/10/EMR-II	31-08-2010	13,10,400
4	Effect of Magnetic and Field on the Laser Ablated Plasma Plume and on the Growth of Oxide Thin Films for the Various Applications	DST, New Delhi	Dr. Naresh Kumar, Physics	Physics	SR/S2/HEP-07/2010	27-09-2010	34,27,000
5	Experimental and Numerical Study of Laser Cutting of Aluminium Alloy Sheet	CSIR, New Delhi	Dr. Avansh Kumar Dubey, MED	Mechanical Engineering	22(0532)/10/EMR-II	01-10-2010	12,05,400
6	Dft Study of Zwitterionic Forms of Biologically Important Molecules in Polar and Non-Polar Environments and Calculation of Dissociation Constants	CSIR, New Delhi	Dr. Animesh Kumar Ojha, Physics	Physics	No.03(1179)/10/EMR-II	15-11-2010	14,00,400
7	Microbial Profiling in Gangetic River System and Development a Gold Nanoparticles Based Multiplex Lateral Flow Immunoassay for Bacterial Detection	UGC, New Delhi	Dr. Shivesh Sharma, BTD	Biotechnology	F.No. 39-256/2010(SR)	28-12-2010	8,43,800
8	GIS for Development of Web based Public Health Information and Infrastructure and Management System	AICTE, New Delhi	Dr. R.D. Gupta, CED	Civil Engineering	8024/RID/BOIII/NCP (07)/2010-11	31-03-2011	20,00,000
9	Electro-Discharge Diamond Grinding Development and Optimization	AR&DB, New Delhi	Dr. Vinod Yadava, MED	Mechanical Engineering	DARO/08/2031574/M/I	22-12-2010	27,18,500
Total							1,58,96,500

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SI	Title of the Projects	Name of the Funding Agency	Name of Principal Investigator	Department	Sanction No.	Sanction Date	Sanctioned Amount in Rs.
List of Sanctioned Project in Financial Year 2009-10							
1	Development of Educational Content and Associated Depository of Web Services for Intellectual Property Rights	DIT, New Delhi	Mrs. Shefalika Ghosh Samaddar, CSED	CSED	DIT/IPR/7.1/72/2009	06-07-2009	10,24,000
2	Study of Magentodielectric Effect in BaTiO-3/Fe3O4 Core/Shell Nanostructure	DST, New Delhi	Dr. Naresh Kumar, Physics	Physics	SR/FTP/PS-04/2008	12-08-2009	20,33,200
3	Process Development for Biotreatment of Bioremediation of Industrial Grease and Oil Waste: Creating a safe Working and Living' Environment for Industrial workers	DST, New Delhi	Dr. Sangeeta Negi, BTD	Biotechnology	SP/YO020/2008	22-09-2009	17,88,994
4	Experimental and Numerical Study of Traveling Wire Electro-Chemical Spark Machining of Advanced Engineering	CSIR, New Delhi	Dr. Vinod Yadava, MED	Mechanical Engineering	22(0486)/09/EMR-II	10-11-2009	13,28,000
5	Cylinder Pressure Reconstruction of Multy-Cylinder Spark Ignition Engine	DST, New Delhi	Dr. Samir Saraswati, MED	Mechanical Engineering	SR/S3/MERC/089/2009	26-11-2009	24,62,400
6	Numerical Algorithms for Solving Singularly Perturbed Boundary Value Problems with Engineering Applications	UGC, New Delhi	Dr. Manoj Kumar, Mathematics	Mathematics	F. No. 37-515//2009(SR)	11-01-2010	11,93,600
7	Electricity Generation Using Microbial Fuel Cells	DST, New Delhi	Dr. Anil Kumar Mathur, AMD	Applied Machanics	SR/FT/CS-056/2009	20-01-2010	17,34,000
8	Computational Techniques for Solving Non-Linear Elliptic Boundary Value Problems	DST, New Delhi	Dr. Manoj Kumar, Mathematics	Mathematics	SR/FTP/MS-14/2007	20-01-2010	8,93,200
9	Study of Rees Algebra, Graded Rings in Module Theoretic Setup and its Applications	NBHM, Mumbai	Dr. Shiv Datt Kumar, Mathematics	Mathematics	2/48(13)2009-R&D II/2804	22-03-2010	7,07,850
Total							1,31,65,244
List of Sanctioned Project in Financial Year 2008-09							
1	Contaminated Ground Water Treatment by Oxide Coated Sand	CST, Lucknow	Prof. R. C. Vaishya	Civil Engineering	No. CST/D.31	11.04.2008	1,58,000
2	Design Simulation Modeling and Mechanical Properties Characterization of CNT Nano Composites	ASL, Hyderabad	Prof. Mukul Shukla	Applied Mechanics	ASL/31/08/4052/15/MOU/03	12.11.2008	1,27,16,000
3	Synthesis structure and stereochemical nanoridigity of compounds with intramolecular coordination of the hypervalent type: Their use in the synthesis of novel heterocycles	DST, New Delhi	Prof Harkesh B. Singh	Chemistry	INT/RFBR/P-26	18.11.2008	14,64,600
4	Investigation of Chemical Gas sensors based on low cost thin films of metal-oxide semiconductors	DST, New Delhi	Dr. P. P. Sahay	Physics	SR/S2/CMP-41/2008	27.01.2009	18,84,400
5	Chemosensor for anions: Optical and Electrochemical Sensing	DST, New Delhi	Dr. Tamal Ghosh	Chemestry	SR/FT/CS-028/2008	27.01.2009	19,98,000
6	Preparation Charactrization and Biological Activity of of Fluroreence based Chitosan for Biomedical Application	UGC, New Delhi	Dr. P. K. Dutta	Chemistry	36-337/2008 (SR)	31.03.2009	7,68,000
Total							1,89,89,000

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SI	Title of the Projects	Name of the Funding Agency	Name of Principal Investigator	Department	Sanction No.	Sanction Date	Sanctioned Amount in Rs.
List of Sanctioned Project in Financial Year 2007-08							
1	Electrokinetic Removal of Toxic Contaminants for Soils Using Reactive nano-Oarticals	DST, New Delhi	Prof. R. P. Tiwari	Civil Engineering	SR/S3/MERC/93/2006	11.04.2007	29,96,000
2	Cure Dependent Material Characterization of Composite Prepregs: Experimental Part	DRDO, New Delhi	Dr. D. K. Shukla	Mechanical Engineering	DARO/08/1051402/M/I	16.04.2007	13,90,000
3	Integrated Development of Public Transport System	CTS, IIT Roorkee	Dr. A. K. Singh	Civil Engineering	IITR/CTRANS/AICTE/NCP/IDPTS/MNNITA/61171	11.06.2007	5,00,000
4	Experimental and Numerical Study of Nd: YAG Laser Beam Cutting of Advanced Engineering Materials	DST, New Delhi	Dr. Vinod Yadava	Mechanical Engineering	SR/S3/MERC-0076/2006	04.07.2007	25,70,100
5	FIST Program DST	DST, New Delhi	Head, AMD	Applied Mechanics	No. SR/FST/ETI-183/2006	18.08.2007	1,30,00,000
6	FIST Program DST	DST, New Delhi	Head, Civil	Civil Engineering	SR/FST/ETI-185/2006	31.12.2007	84,00,000
7	Development of a framework for Knowledge Acquisition and Machine Learning for Construction of Ontology Traditional Knowledge Digital Library (TKDL) Scmantic Web Portal for Tribal Medicine	MciTy	Dr. B. D. Chaudhry	Computer Science and Engineering	DIT/IPR/7.1/66/2008	15.02.2008	48,92,000
8	Quality of Work Life and Organization Efficiency: IT enabled Services in India Perspectives	UGC, New Delhi	Dr. Tripti Singh	School of Management Studies	F.No. 5-401/2007 (HRP)	13.03.2008	2,60,600
9	Symmetry and Itegrability of certain Nonlinear Dynamical Systems	DST, New Delhi	Dr. S. N. Pandey	Physics	SR/S2/HEP-05/2007	24.03.2008	5,36,158
Total							3,45,44,858
14) List of Sanctioned Project in Financial Year 2006-07							
1	Information Security Education and Awareness Project	MciTy	Dr. M. M. Gore	Computer Science and Engineering	6(27)/2005-ISEA	19.07.2006	1,03,57,602
2	FIST Program DST	DST, New Delhi	Head, Electrical	Electrical Engineering	SR/FST/ETI-179/2006	14.02.2007	64,00,000
Total							1,67,57,602
15) List of Sanctioned Project in Financial Year 2005-06							
1	FIST Program DST	DST, New Delhi	Head, Mechanical	Mechanical Engineering	SR/FST/ETI-148/2004	03.06.2005	43,00,000
Total							43,00,000
16) List of Sanctioned Project in Financial Year 2003-05							
1	Technology Strategic Tool for Development & Indian Industry Syndrome	UGC, New Delhi	Prof. Geetika	School of Management Studies	F.5-276/2003 (HRP)	12.03.2004	4,06,360
Total							4,06,360