

## List of Projects

S.No.	Title of Project	Name of the PI	Department	Name of Funding agency	Period of the Project	Year of sanction
416	Study of composition and thermo-mechanical processing of 4-8% Cu Al alloy for fabricating the fuselage skins and frames for aerospace application	Dr. Nikhil Kumar, Dr. Sanjay Singh	SMST	CST-UP	3 Yrs.	2022
415	Preparation & characterization of natural products derived self-surface functionalized carbon dots for oral cancer theranostics	Dr. A.N. Sahu, Dr. A.S. Parmar	Pharmaceutical Engg.	CST-UP	3 Yrs.	2022
414	Development of Brain/Liver-on-a-chip models for understanding the role of liver in the progression of Alzheimer's disease during diabetes	Dr. Sanjeev Kumar Mahto	Biomedical	DST	2 Yrs.	2022
413	Orientation mechanism of low band gap uniaxially-oriented polymer semiconductor and its carrier transport characteristics	Prof. Rajiv Prakash (Transferred to IIT Bhilai)	SMST	DST	2 Yrs.	2022
412	Complete utilization of Banana from Farm till its disposal : A step towards the agricultural circular economy for growth of agriculture and farmers of U.P	Dr. Vishal Mishra & Dr. Abha Mishra	BCE	CST-UP	3 Yrs.	2022
411	Design and development of machine learning based methods for plant disease detection.	Dr. R.S. Singh, Dr. Bhaskar Biswas	Computer	CST-UP	3 Yrs.	2022
410	A new paradigm for flavour problem	Dr. Gauhar Abbas	Physics	CST-UP	3 Yrs.	2022
409	Revisiting traditional Indian agricultural practices against climate change vulnerabilities using machine learning techniques	Dr. Ruchir Gupta (Transferred from JNU)	Computer	DST	2 Yrs.	2022
408	Development of Peripherally acting nano formulation of opioids for the treatment of neuropathic pain	Dr. Vinod Tiwari & Dr. Shreyans Kumar Jain	Pharma	CST-UP	2 Yrs.	2022
407	Development of disaster response system for collecting & disseminating information through social media text processing	Dr. Sukomal Pal	Computer	CST-UP	3 Yrs.	2022
406	Hybrid solar wind driven combined heat and power system using organic rankine cycle	Dr. Arnab Sarkar, Dr. Rosalin Sahoo, Dr. Jahar Sarkar	Mechanical	CST-UP	3 Yrs.	2022
405	A novel meso-micro scale coupling approach for wind resource assessment	Dr. Arnab Sarkar	Mechanical	SERB-FIRE	2 Yrs.	2022
404	Animal studies to establish the efficacy of surface polarized sodium potassium niobates for orthopedic implant application	Dr. S.K. Mishra, Dr. Ashutosh Kumar Dubey	Pharmaceutical Engg.	CST-UP	3 Yrs.	2022
403	Investigation of processing techniques for the development of PPEK and Thermoplastic prepreg technologies	Prof. Pralay Maiti	SMST	DRDO	2.5 Yrs	2022

402	Development of fly ash brick from the waste generated from Grasim Industries Ltd. , Renukoot, UP	Dr. Pabitra Ranjan Maiti	Civil	Grasim Industries Ltd., Renukoot,UP	1 Yr	2022
401	Design and analysis of adaptive tow-steered laminates	Dr. Ayan Haldar	Civil	SERB	2 Yrs	2022
400	Experimental investigation of stability limits, NOx emissions and blowout phenomenon of ammonia - hydrogen-nitrogen air mixtures in a non-premixed swirl combustor	Dr. Santhosh R	Mechanical	SERB	2 Yrs	2022
399	Development of an inexpensive high-fidelity technique for the prediction of failure capacity of thin shell structures	Dr. Kshitij Kumar Yadav	Civil	SERB	2 Yrs	2022
398	A Novel, Rapid, High-Throughput Characterization of Microbiome Dynamics through Cytomics and Machine Learning	Dr. Abhishek Suresh Dhoble	Biochemical	SERB	2 Yrs	2022
397	Development and processing of magnetocaloric thin sheets for enhanced thermomagnetic energy harvesting applications	Dr. Deepak K	Metallurgical	SERB	2 Yrs	2022
396	Electronics repairing and E-waste collection system	Prof. K.K Singh	Metallurgical	UBA	6 Months	2022
395	Thermo-catalytic conversion of carbon dioxide into ethanol and higher alcohols	Dr. Sanjay Katheria	Chemical	SERB	2 Yrs	2022
394	Design and development of kinetically stable electrolytes for next-gen Li-ion batteries (ElectroLilon)	Dr. Abir Ghosh	Chemical	SERB	2 Yrs	2022
393	Designing metallic glass composites with immiscible elements as alloying elements for improved plasticity	Dr. Sree Harsha Nandam	Metallurgical	SERB	2 Yrs	2022
392	Development of microwave scattering algorithms for retrieval of crop biophysical parameters and soil moisture using polarimetric SAR satellite data	Dr. Rajendra Prasad	Physics	ISRO	3 Yrs	2022
391	Design and development of reconfigurable reflect array antenna at X-band	Prof. Manoj Kr. Meshram	Electronics	ISRO	2 Yrs	2022
390	Metasurface-based various components for applications in microwave and beyond	Dr. Somak Bhattacharyya	Electronics	ISRO	3 Yrs	2022
389	Development of graphene/CNT FET based sensors for space applications	Dr. Shivam Verma	Electronics	ISRO	2 Yrs	2022
388	Development of algorithms for water quality monitoring using ground instrumentation and optical sensors onboard unmanned airborne vehicle and satellite data	Dr. Shishir Gaur	Civil	ISRO	3 Yrs	2022
387	Development of wearable internet of medical things for continuous health monitoring of astronauts	Dr. Priya Ranjan Muduli	Electronics	ISRO	3 Yrs	2022
386	Development of Variable data rate CCSDS compliant direct digital demodulator	Dr. Kishor P. Sarawadekar	Electronics	ISRO	2 Yrs	2022
385	Novel observations and modelling of the heating and dynamical plasma processes in the localized solar atmosphere	Dr. Abhishek Kumar Srivastava	Physics	ISRO	3 Yrs	2022

384	Numerical modeling and optimization of isothermal chemical vapor infiltration (CVI) process for C/SiC composites using MTS/H <sub>2</sub> mixture	Dr. Vijay Maruti Shinde	Chemical	ISRO	1.5 Yrs	2022
383	Development of stable and tethered Os(II)-based catalysts for reductive stress mediated photo-catalytic anticancer activity	Dr. Samya Banerjee	Chemistry	SERB	2 Yrs	2022
382	Effect of composition and microstructural alteration on constant and dynamic loading response of Al-Mg-Si alloys for electric vehicle application	Dr. Nikhil Kumar	SMST	SERB	2 Yrs	2022
381	Blowoff Dynamics of Afterburner Flame	Dr. Anubhav Sinha	Mechanical	DRDO (AR&DB)	3 Yrs	2022
380	Modelling of advanced polycrystalline materials for crystal plasticity simulations of machining processes	Dr. Srihari Dodla	Mechanical	SERB	2 Yrs	2022
379	Crack modulation in dried colloidal films by soft additives	Dr. Udit Uday Ghosh	Chemical	SERB	3 Yrs	2022
378	Effects of ceria support morphology for the synthesis of bimetallic catalysts for NO <sub>x</sub> reduction through H <sub>2</sub> -SCR	Dr. Sweta	Chemical	SERB	3 Yrs	2022
377	Developing novel therapeutic strategies for mitigating antimicrobial resistance	Prof. Sanjay Kumar Singh	Computer	ICAR	3 Yrs	2022
376	Study of some Two dimensional fractional order nonlinear transport phenomena problems in porous media	Prof. Subir Das	Math	BRNS	3 Yrs	2022
375	Multi output hybrid solar inverter for low power applications	Dr. R.K. Singh	Electrical	Ornate Agencies Pvt. Ltd.	1 Yr	2022
374	On the augmentation of heat transfer from external downward facing Convex surface of Calandria v	Prof. Pradyumna Ghosh	Mechanical	BRNS	3 Yrs	2022
373	TIFAC-MSME Program	Dr. Bhawana Verma	Chemical	TIFAC	1 Yr	2022
372	Correlation studies of copper artifacts (2500-200 BCE) from Varanasi region and copper mining and smelting in tribal areas of Singhbhum	Dr. Chandan Upadhyay	SMST	AICTE, IKS	2 Yrs	2022
371	Development of advanced Medical Textiles	Prof. Rajiv Prakash	SMST	Farmanex International Pvt. Ltd.	5 Yrs	2022
370	Traditional Principles of settlement planning in heritage temple sites of Odisha/ erstwhile Kalinga region	Dr. Rabi Narayan Mohanty	Architecture	IKS, AICTE	2 Yrs	2022
369	Neeti Shastras and Modernity : Understanding the reflective equilibrium between Hermeneutics of Normative Texts and Practice	Dr. Sukhada	Humanistic Studies	IKS, AICTE	2 Yrs	2022

368	Development of an efficient module-integrated battery management system	Dr. Sandip Ghosh	Electrical	MeitY	2 Yrs	2022
367	Development of Cryptographically efficient lightweight MDS matrices and its extension to code-based PQC	Dr. Ashok Ji Gupta	Math	DRDO	3 Yrs	2022
366	Mineral Acids in India prior to 15th CE: A Revisit Exploring Arthasastra and other 15th CE Rasa Sastra texts	Dr. V. Ramanathan	Chemistry	IKS Cell, AICTE @ Gol	2 Yrs	2022
365	IKS at IIT(BHU) Varanasi	Dr. V. Ramanathan	Chemistry	IKS Cell, AICTE @ Gol	2 Yrs	2022
364	Electrolytic capacitor less six pulse DC ling photovoltaic system connected to grid	Dr. V.N. Lal	Electrical	CPRI	2 Yrs	2022
363	Design and development of next generation cost effective reconfigurable on-board battery charger with health and fault monitoring	Dr. R.K. Singh	Electrical	MeitY	2 Yrs	2022
362	Demonstration and reproduction with scientific validation of some Ceramic Materials Knowledge System of Ancient India	Prof. Rajiv Prakash	SMST	IKS, AICTE	2 Yrs	2022
361	On Developing Polynomial-time Interior-Point Methods for Robust Multiobjective Convex Optimization Problems	Dr. Debadas Ghosh	Mathematical Sci.	SERB	3 Yrs	2022
360	Wavelets Adaptive Schemes for Singular Integral Equations	Dr. Vineet Kumar Singh	Mathematical Sci.	SERB	3 Yrs	2022
359	Development of industrial waste as mold material for sustainable development of developing countries	Dr. Jayant Kumar Singh	Metallurgical	SERB	3 Yrs	2022
358	Investigation of Anomalous Nernst Effect in Shape Memory Heusler Alloys	Dr. Sanjay Singh	SMST	SERB	3 Yrs	2022
357	Development of prototype of early warning systems on impending goaf for underground coal mining.	Dr. Ashok Jaiswal	Mining Engineering	SERB	3 Yrs	2022
356	Language Communicator Tool for End Users	Dr. Sukhada	Humanities	MeitY	3 Yrs	2022
355	Development of Laboratory Scale Bio-Grout Technology for Landslide Mitigation	Dr. A.K. Verma	Mining Engineering	SERB	3 Yrs	2022
354	Li-ion based inverter for household appliances	Dr. R.K Singh	Electrical	Ornate Agencies Pvt. Ltd.	6 Months	2022
353	Tailoring properties by altering long and short-range structures in eco-friendly, Pb-free ferroelectric perovskite oxides for energy harvesting	Dr. Saurabh Tripathi	Physics	SERB	3 Yrs	2022

352	Multifunctional Nanostructured Mn/Fe doped CeCrO <sub>3</sub> for Photocatalyst and Magnetic Switching	Dr. Chandana Rath	SMST	SERB	3 Yrs	2022
351	Study of quantum chaos and multipartite entanglement using quantum circuits	Dr. Sunil Kumar Mishra	Physics	SERB	3 Yrs	2022
350	Active polar flock in quasi two-dimensional geometry: role of confinement and boundary condition	Dr. Shradha Mishra	Physics	SERB	3 Yrs	2022
349	Optimal transport derivations in regularized Wasserstein space for non-linear & linear transformations of deep neural networks	Dr. Tanim Datta	Computer	SERB	3 Yrs	2022
348	Reliability evaluation and performance enhancement of grid integrated wind-solar-EV hybrid renewable energy systems	Prof. R.K. Saket	Electrical	SERB	3 Yrs	2022
347	Towards alkaline aqueous battery and fuel cell application: Synthesis, kinetics and Operando spectroelectrochemical studies of mixed metal selenide and polypyrrole composites as potential oxygen electrocatalysts	Dr. Manisha Malviya	Chemistry	SERB	3 Yrs	2022
346	Design and Development of Composition engineered toxic free organic inorganic Perovskite Quantum Dots Based Flexible Spectrum Tunable Photodetectors	Prof. Satyabrata Jit	Electronics	SERB	3 Yrs	2022
345	Experimental study of anisotropy in nuclear charge and current distribution that results in interplay of electric and magnetic rotation in Xe nuclei	Dr. Somnath Nag	Physics	SERB	3 Yrs	2022
344	Design and Development of High Gain, Wide Bandwidth Beam Steered Reconfigurable Reflectarray Antennas for 5Gmm Wave Applications	Dr. Manoj Kumar Meshram	Electronics	SERB	3 Yrs	2022
343	Hybrid EEG-EMG based Prosthetic hand for transradial amputees to perform reach and grasp tasks	Dr. Shiru Sharma	Biomedical Engg.	DST	2 Yrs	2022
342	Analytical study of hydrodynamic theory of wet active fluid	Dr. Shradha Mishra	Physics	SERB	3 Yrs	2022

341	Pseudo-differential operators in partial differential equations, distribution and machine learning	Dr. Santosh Kumar Updadhay	Math	SERB	3 Yrs	2022
340	Development of energy efficient and compact electric drive train for fuel cell electric vehicle	Dr. Kalpana Chaudhary	Electrical	SERB	3 Yrs	2022
339	Development of a real-time cyber-attack detection module and its hardware-in-loop testing for an integrated power network	Dr. S.R. Mohanty	Electrical	CPRI	1 Yr	2022
338	Study and analysis of interfacial cracks in composite media	Prof. Subir Das	Math	DAE	3 Yrs	2022
337	Development of toolkit for prediction of blood brain-barrier permeability using deep learning to expedite CNS drug discovery	Dr. Rajnish	Pharmaceutical Engg.	SERB- Matrics	3 Yrs	2022
336	Exploring Anti-ineffective potential of Panchagavya : Metabolomics and Proteomics Approaches	Dr. Shreyans Kumar Jain	Pharmaceutical	DST	3 Yrs	2022
335	Utilization of Industrial Wastes in Dense and Gap Graded Asphalt Mixes as Fillers	Dr. Ankit Gupta	Civil	DST	1.5 Yrs	2022
334	Metasurface-based Sensor devices for mm-wave and sub-terahertz Applications	Dr. Somak Bhattacharyya	Electronics	SERB	3 Yrs	2022
333	Development of Hand Telerehabilitation Platform for Diagnostic and Therapeutic Purposes in Physiotherapy	Dr. Kishor Sarawadekar	Electronics	SERB	3 Yrs	2022
332	Reactivity controlled compression ignition (RCCI) combustion engine for methanol utilization and its feasibility analysis to be adopted in hybrid electric vehicles (HEVs)	Dr. A.P. Singh	Mechanical	SERB	2 Yrs	2022
331	3D Computational and experimental study on layer dynamics and prediction of critical power law scales in double-diffusive finger convection	Dr. Om Prakash Singh	Mechanical	SERB	3 Yrs	2022
330	Design and development of cognitive small-world LPWAN for Internet of things towards health monitoring	Dr. Om Jee Pandey	Electronics	SERB	2 Yrs	2022
329	Design and development of potential multifunctional molecular hybrid for the treatment of Alzheimer's disease	Prof. S.K. Shrivastava	Pharmaceutical	SERB	3 Yrs	2022
328	Development of Sparse Inverse Co-variance based functional brain connectivity scheme for the assessment of shared autistic traits in autism and typical development	Dr. Jac Fredo AR	Biomedical	SERB	2 yrs	2022
327	Complex of online and onsite lectures on materials for hydrogen generation by solar water splitting	Dr. Santanu Das	Ceramic	Norway Council of Education and	4 Yrs	2022

326	Investigation on Hydrogels and Development of Multi-Responsive Polymers for Healthcare Applications	Dr. Debdip Bhandary	Chemical	SERB	2 Yrs	2022
325	Cyber security of critical infrastructure: National Level Medical Grid System	Prof. Prasun K. Roy	Bio-medical	DST-TIH, IIT-Kanpur (IHUB NTIHAC Foundation)	3 Yrs	2022
324	High proton conducting metal phosphonate electrolytes for fuel cell application	Prof. Prabhakar Singh	Physics	DRDO	2 Yrs	2021
323	Technology intervention for creative economy	Dr. Lakshay	Mechanical	Mindshare	1 Yr	2021
322	Design and Validation of field deployable miniaturized Nano-Bio-Sensing System for Detection of the Parasitic liver fluke fasciola gigantica	Dr. Pranjal Chandra	Biochemical	ICMR	3 Yrs	2021
321	Fabrication of low power consuming inverted near-infra red AMOLED	Dr. Bholu Nath Pal	SMST	DST	3 Yrs	2021
320	Safety & Efficacy of the "PL05" capsule/tablet in Animal in the treatment of gastric acidity	Dr. Sunil Kumar Mishra	Pharmaceutical Engg. & Tech	Purobien Life Sciences Private Ltd.	1 Yr	2021
319	Human IL-2 fused leishmanial trypanothione synthesis (TS) as protein vaccine candidates	Prof. V.K. Dubey	Boichemical	ICMR	22 Months	2021
318	Investigation and development of mobile sink based intelligent data routing scheme for IoT-enable wireless sensor networks	Dr. Prasenjit Chanak	Computer	SERB	2 Yrs	2021
317	Development of Cardiac Model for Prediction of Human Heart Failure using Noninvasive medical imaging and Computational Fluid Dyanamic techniques	Dr. Sanjay Kumar Rai	Biomedical	ICMR	3 Yrs	2021
316	Microstructurea tailoring to develop biocompatible Cr-Fe-Mo-Nb-Ti based high entropy alloys for medical applications	Dr. Subhasis Sinha	Metallurgical	SERB	2 Yrs	2021

315	Effect of composition and microstructure on mechanical properties of 7-9%Ni steel for LNG tanker and Naval application	Dr. Sudipta Patra	Metallurgical	SERB	2 Yrs	2021
314	Design and development of Molecular hybrids on a multifunctional framework for regulating Cholinesterases, $\beta$ - secretase 1, Amyloid- $\beta$ , and Oxidative Stress Against Alzheimer's Disease	Prof. Sushant Kumar Shrivastava	Pharmaceutical	ICMR	3 Yrs	2021
313	Development of a multiplex portable spinning disc for effective monitoring of women's health during different stages of pregnancy	Dr. Arnab Sarkar	Mechanical	DST	3 Yrs	2021
312	Design and development of Cybersecured Smart Power interface for Energy-Local Area Network (ELAN)	Dr. Santosh K Singh	Electrical	IHUB-NTIHAC Foundation, IIT Kanpur	3 Yrs	2021
311	New "metabolite-amyloids" hypothesis for the origin of life	Dr. Pandeewar Makam	Chemistry	SERB	2 Yrs	2021
310	Development of Mesoscale models to describe hot deformation and creep of low SFE materials	Dr. Surya Deo Yadav	Metallurgical	DST	2 Yrs	2021
309	Implementation of Terahertz Band Communication for Next generation wireless Networks	Dr. Sanjeev Sharma	Electronics	SERB	2 Yrs	2021
308	Novel integrated engineering approach for effective carbon dioxide removal using biphasic amine blends for coal-based thermal power plant	Prof. Manoj Kumar Mondal	Chemical	SERB	3 Yrs	2021
307	An Artificial Intelligence supported Intrusion Detection & Behavior Monitoring System for Crucial Data Servers against Novel Cyber Attacks	Dr. Mayank Swarnkar	Computer	SERB	2 Yrs	2021
306	Localized Electricity generation through Modular Low Temperature ORC Units	Prof. S. K. Shukla	Mechanical Engg.	CPRI Bangalore	2 Yrs	2021
305	Bioactivation of cyclopentadienyl rings in organometallic complexes	Dr. Samya banerjee	Chemistry	The Royal Society, London	18 Months	2021
304	Preparation of Dense Palladium/ Palladium-alloy Membranes and Optimization of Multi-pass Membrane Separator to Generate Ultra-Pure Hydrogen for On-site Applications	Dr. R.K. Upadhyay	Chemical	SERB	3 Yrs	2021
303	Production of high-purity methane from renewable biomass through anaerobic digestion	Dr. J.P. Chakraborty	Chemical	TransBharat Biofuel Pvt. Ltd.	1 Yr	2021



302	Discovery of novel selective inhibitors of choline acetyltransferase : Lead optimization and in vivo pharmacolinectic studies	Dr. Rajnish	Pharmaceutical Engg.	SERB	2 Yrs	2021
301	Crystal Engineering of Dapagliflozin to improve its pharmaceutical properties	Dr. Dinesh Kumar	Pharmeceutical Engg.	SERB	2 Yrs	2021
300	Design, Function, and Utilization of Multifunctional Surface Coatings for Next-Generation Lithiumion Batteries	Dr. Rosy	Chemistry	SERB	2 Yrs	2021
299	Development of advanced nanocrystalline coatings and LASER cladding system for repair work related to HEMMS and other structural components	Dr. Meghanshu Vahista	Mechanical Engg..	NCL, Singrauli	1.5 Yrs	2021
298	Development of Friction Stir Welding for repair work of high temperature materials like EN-24 steel	Dr. Mohd Zaheer Khan Yusufzai & Dr. Meghanshu Vahista	Mechanical Engg.	NCL, Singrauli	1.5 Yrs	2021
297	Development of perovskite oxides SrCeO3 and SrCeO4 as high temperature thermal barrier coating (TBC) material for aerospace application	Dr. Shail Upadhyay	Physics	DRDO	3 Yrs	2021
296	Study on effect of temperature and mean stress on fatigue strength of turbine aerofoil alloy	Dr. G.S. Mahobia	Metallurgical	CARS, DRDO	4 Yrs	2021
295	Analytical study of sansad adarsh gram yojana of JAyapur and Nagapur in Varanasi District	Dr. Manhar Charan	Humanities	Mahatma Gandhi National	5 Months	2021

294	Bioengineering of living materials to fabricate functionalized bacterial nanocellulose for high performance applications	Dr. Prodyut Dhar	Biochemical	DBT	5 Yrs	2021
293	Art, science and technology of traditional "Koftgari" metal work in India	Dr. K.K. Singh	Metallurgical	INSA, New Delhi	1 Yr	2021
292	Development of Optical Fibre Cable Coloring Machine	Dr. Debashish Khan	Mechanical	DST	2 Yrs	2021
291	Development of a scalable volatile organic compound (VOC) sensing based intelligent cyber physical system for near real-time vehicular pollution monitoring and recommendation for reduced emissions	Dr. N. S. Rajput	Electronics	I-DAPT, IIT(BHU)	2 Yrs	2021
290	Prediction of Dose- Volume Histograms of Organs-at-risk in Prostate Cancer Radiation Therapy using Machine Learning	Dr. Arnab Sarkar	Mechanical	I-DAPT, IIT(BHU)	2 Yrs	2021
289	Integrated computational and experimental studies to potential therapy of kala-azar targeting Dephosphocoenzyme A Kinase (LdDPCK) of the pathogen as a target	Prod. Vikash Kumar Dubey	Biochemical	I-DAPT, IIT(BHU)	2 Yrs	2021
288	Data-driven battery sizing for standalone solar electric drive system for river boats	Dr. Sandip Ghosh	Electrical	I-DAPT, IIT(BHU)	1 Yr	2021
287	Demonstrable Prototype of IoT enable DC/AC smart grid at Library Building, IIT(BHU), Varanasi with solar photovoltaic Integration	Dr. Rajeev Kr Singh	Electrical	I-DAPT, IIT(BHU)	2 Yrs	2021
286	Early stage detection of Non-small cell lung cancer by developing aptamer-graphene microarray	Dr. Marshal	Biomedical	ICMR	3 Yrs	2021
285	Development of Nitride Ceramics thin-film for soft x-ray applications	Dr. Santanu Das	Ceramic	UGC-DAE	2 Yrs	2021
284	Indo- South korea Joint Network Center for Environmental Cyber Physical Systems	Dr. Sanjeev Sharma	Electronics	DST- Bilateral Project	3 Yrs	2021
283	Design, development and demonstration of solar-IV integrated on board and off board electric rickshaw charging Infrastructure	Dr. V.N. Lal	Electrical	DST	3 Yrs	2021
282	Seasonal study on photocatalysis experiments in India environment	Dr. Santanu Das	Ceramic	IAA-RIF-2020 Grant Project, Swansea	2 Yrs	2021

281	Defence analyses of Compound Semi-Conductor Wafer	Dr. Chandan Upadhyay & Prof. Rajiv Prakash	SMST	Advanced Materials Pvt. Ltd	1 Yr	2021
280	Emergent phases in 2D quantum materials and Heterostructures	Dr. Joysurya Basu	Metallurgy	DST	5 Yrs	2021
279	Tailoring correlations of light using plasmonic and nano structure	Dr. Rakesh Kumar Singh	Physics	BRNS	3 Yrs	2021
278	Characterization of indigenous cow's dung and urine for scientific advancement and development of utility items	Dr. Abhishek Suresh Dhoble	Biochemical	DST - SUPRA	3 Yrs	2021
277	Surface charge induced antibacterial and cellular reponse of Hydroxyapatite-preovskite composites for orthopedic implant application	Dr. Ashutosh Kumar Dubey	Ceramic	UPCST	3 Yrs	2021
276	Development of photoactivated transfer hydrogenation in catalysis for heat generation cancer transfer	Dr. Samya Banerjee	Chemistry	DST	5 Yrs	2021
275	Experimental and Numerical Investigation on Strength Behaviour of FRP Retrofitted Beam	Dr. Pratibha Ranjan Maiti	Civil	Dhirendra Group of Company	1 Yr	2021
274	A System for Quality Control and Certification of Geospatial Data for NSDI	Dr. Anurag Ohri	Civil	DST	1 Yr	2021
273	Design of Protective Barrier Pillar Against Large Water Head in Underground Coal Mines	Prof. G.S.P. Singh	Mining	CMPDI	2 Yrs	2021
272	Study the BioCNG production potential of different feedstocks	Dr. J.P. Chakraborty	Chemical	TransBharat Biofuel Pvt. Ltd.	1 Yr	2021
271	Development of Cyber Resilient Protection scheme for AC Microgrid	Dr. S.R. Mohanty	Electrical	SERB	3 Yrs	2021
270	Fabrication of Cathode materials and SOFC for energy application	Prof. Prabhakar Singh	Physics	UPCST	3 Yrs	2021
269	Improvement of delamination fracture toughness in nao-graphene particles reinforced polymer composite laminates: An experimental-numerical approach	Dr. Rosalin Sahoo	Civil	SERB	3 Yrs	2021
268	Analysis and design of sub-millimeter wave tuneable gyrotron for DNP-NMR Spectroscopy application	Dr. M. Thottappan	Electronics	SERB	3 Yrs	2021
267	Investigation risk factors and predicting complications in COVID-19 patients with Machine Learning Algorithms	Dr. Prasenjit Chanak	Computer	ICSSR	8 Month	2021
266	Portable smart in vitro diagnostic platform for monitoring thyroid disorders	Dr. Sanjeev Kumar Mahto & Dr. Manoj Kumar	BME	CST-UP	3 Yrs	2021

265	Prototype development of fuel cell and photovoltaic based innovative hybrid DC power pack for remote application	Dr. Kalpana Chaudhary	Electrical	SERB	3 Yrs	2021
264	Development of a standalone solar electric drive system for boats	Dr. Sandip Ghosh	Electrical	Ornate Agencies Pvt. Ltd.	1 Yr	2021
263	Automatic Map Generation from High Resolution Images Applying Deep Learning Techniques	Dr. Anurag Ohri	Civil	SERB	3 Yrs	2021
262	Developing Improved Algorithms for Intelligent Video Surveillance	Dr. Pratik Chattopadhyay	Computer	SERB	3 Yrs	2021
261	Spatially resolved digital holography polarization microscope for diagnosis applications	Dr. Rakesh Kumar Singh	Physics	DBT	3 Yrs	2021
260	Life Line Security & System	Prof. Rajiv Prakash	SMST	Life Line Security &	3 Yrs	2021
259	Validation of Glutathione synthetase from Leishmania donovani as new drug target or discovery of new drug candidate	Prof. Vikash Kumar Dubey	Biochemical	ICMR	3 Yrs	2021
258	Development of nanoink for anti-counterfeit products and solution	Prof. Rajiv Prakash	SMST	Industry Kantas Track Pack India Ltd.	2 Yrs	2021
257	High performance rare earth free nanocomposites permanent magnet for advanced motor and alternative energy applications	Dr. N.K. Prasad	Metallurgy	SERB	4 Yrs	2021
256	Self-assembled smart nano medicine for targeted therapy of advanced non-small cell lung cancer	Dr. M.S. Muthu	Pharmaceutical	ICMR	3 Yrs	2020
255	Chemical recycling of electronic waste for sustainable livelihoods and material consumption in India	Dr. K.K. Singh	Metallurgical	GCRF-EPSRC	2 Yrs	2020
254	Assessment of Vulnerability of structures in Regard to Cyclonic Wind loads	Dr. Arnab Sarkar	Mechanical	Bureau of Indian Standards	2 Yrs	2020
253	Existence and Stability analysis of periodic solution of variable time impulsive neural network	Prof. Subir Das	Math	SERB	3 Yrs	2020
252	Factor affecting exhaust emissions of motorized two wheeler in an Indian Tier-II city: A case study of Varanasi	Dr. Abhisek Mudgal	Civil	SERB	2 Yrs	2020
251	Effect of Jet Pulsation on Reacting Jet in Crossflow	Dr. Anubhav Sinha	Mechanical	SERB	2 Yrs	2020
250	Impact of a microspray on a bio-mimicking surface	Dr. Binita Pathak	Mechanical	SERB	2 Yrs	2020

249	Resource-optimized fog computing for smart healthcare application in IoT-enable heterogeneous networks	Dr. Ajay Pratap	Computer	SERB	2 Yrs	2020
248	Developing Psyllium Husk Based Polysaccharide Hydrogel into Electrospinable and 3D Printable Materials : Towards Fabrication and Comparative Evaluation of Lyophilized, Electrospun and 3D Bioplotting Scaffolds for Liver Tissue Engineering	Dr. Sanjeev Kumar Mahto	Biomedical	SERB	3 Yrs	2020
247	Novel integrated engineering approach for effective tar decomposition and its last minutes removal to fuel gas reforming in biomass pyro-grasification	Prof. M.K. Mondal	Chemical	SERB	3 Yrs	2020
246	Study of Polarmetric parameters from laser speckle	Dr. R.K. Singh	Physics	CSIR	3 Yrs	2020
245	Scattering assisted imaging: Exploiting randomness of the light.	Dr. R.K. Singh	Physics	SERB	3 Yrs	2020
244	Stability of Nanostructure and Residual Stress Developed through Ultrasonic Shot Peening in Superalloy IN718 at Elevated Temp.	Dr. Kaushik Chattopadhyay	Metallurgy	DRDO	2 Yrs	2020
243	Development of Novel Therapeutics for the Redemption from Frostbite and Burn Injury induced Chronic Pain in Military Veterans	Dr. Vinod Tiwari	Pharmaceutical Engg. & Tech.	SERB	3 Yrs	2020
242	Investigation of two dimensional transition metal dichalogenides Nanostructure as Effective SERS Substrate	Dr. Ashish Kumar Mishra	SMST	SERB	3 Yrs	2020
241	AMWATCH: Defining the AMR Burden of Antimicrobial Manufacturing Waste in Puducherry and Chennai	Dr. M.S. Muthu	Pharmaceutical Engg. & Tech.	DBT	3 Yrs	2020
240	Design, Synthesis and Biological evaluation of O- and C- derivatives of Phenylethanoid Glycosides as a Multi-targeting Neuroprotective disease modifying agents for Alzheimer's Disease	Dr. Jeyakumar Kandasamy	Chemistry	SERB	3 Yrs	2020
239	Integrative Environment View (IEV) for Sustainable Hyper Local Temporal & Spatial Environmental Pollution Monitoring : Case of Air Quality in Varanasi City	Dr. Puneet Kumar Bindlish & Dr. N.S. Rajput, Dr. Abhishek Mudgal, Dr. Amit Verma	Humanities	Google Asia Pacific Pvt. Ltd	5 Month (One Time Support Grant)	2020

238	Forewarning System for Landslide Prediction along Mangan and Chungthang road, Sikkim India	Dr. A.K. Verma	Mining	DST	3 Yrs	2020
237	Biodegradable path for faster wound healing including diabetic ulcers using ayurvedic medicine	Prof. Pralay Maiti	SMST	DBT	3 Yrs	2020
236	Multiple reversals of the Sun's polar- field and their physical causes	Dr. Bidya Binay Karak	Physics	DBT	2 Yrs	2020
235	Development of Performance based mix design process: A re-look at the Marshall Mix design process for the production of strong and durable	Dr. Nikhil Saboo	Civil	NHAI	3 Yrs	2020
234	Investigation of Structural phase transformation in HfO <sub>2</sub> thin films using X-ray absorption spectroscopy	Dr. Chandana Rath	SMST	CRS	3 Yrs	2020
233	Development of guidelines for use of waste reclaimed water in pavement construction	Dr. Nikhil Saboo	Civil	Ministry of Road Transport & Highway	3 Yrs	2020
232	3 D Bio Steeolithography for Enggineering fucntional Tissues	Prof. Pralay Maiti	SMST	SERB	5 Yrs	2020
231	Development of High Te Lead Free Piezoelectric Materials for Energy Harvesting	Dr. Akhilesh Kumar Singh	SMST	SERB	3 Yrs	2020
230	Re-purposing of approved drugs from Drug Bank database for possible treatment for COVID-19 by targeting SARS-CoV-2 main purpose	Prof. Vikash Kumar Dubey	Biochemical	SERB	1 Yr	2020
229	Strategic Planning for Water Resources and Implementation of Novel Biotechnical Treatment Solutions and Good Practices (SPRING)	Prof. Prabhat Kumar Singh	Civil	DBT	3 Yrs	2020
228	Intelligent system for computer assisted diagnosis (CAD) OF CANINE MAMMARY TUMORS	Prof Sanjay Kumar Singh	Computer	DBT	2 Yrs	2020
227	Design and analysis of linear induction moter drive for electromagnetic aircraft launching system	Prof. R K Srivastava	Electrical	DRDO	2.5 Yrs	2020
226	Development of text based matching algorithms for bartering software	Dr. Sukomal Pal	Computer Science	ASCONSOFTEC H	1 Yr	2020

225	Design and development of a Membrane reformer prototype for production of ultra pure hydrogen from methanol for fuel cell based vehicle and power generators	Dr. R K Upadhyaya	Chemical Engg & Technology	DST	4 Months	2020
224	Pathology on a Spinning Disc	Dr. Arnab Sarkar	Mechanical	MHRD - STARS	3 Yrs	2020
223	In -situ microscopy study of age hardening in dispersion strengthened cast magnesium alloys and its ex-situ correlation with mechanical properties	Dr. Ashok Kumar Mondal	Metallurgy	SERB	3 Yrs	2020
222	Development of low cost $\beta$ -Ti alloy for biomedical applications	Dr. Kaushik Chattopadhyay	Metallurgy	SERB	3 Yrs	2020
221	Tunable surface plasmon optical sensing behaviour of M-MoS <sub>2</sub> (M=Cu, Ag, Au) Alloy Nanostructures	Dr. Bratindranath Mukherjee	Metallurgy	SERB	3 Yrs	2020
220	Mechanical behaviour of advanced high strength steel processed by additive manufacturing	Dr. NC Santhi Srinivas	Metallurgy	SERB	3 Yrs	2020
219	Investigation of flow behaviour of pulsed sieve plate column through radiotracer based techniques	Dr. R K Upadhyaya	Chemical	BRNS-DAE	1.5 Yrs	2020
218	Design development and characterization of Low loss frequency selective metamaterial waveguide coupler and antenna for 5 G Applications	Dr. Smrity Dwivedi	Electronics	SERB	3 Yrs	2020
217	Development of high performance, CMOS compatible and color selective narrow-band photodetector for high resolution imaging application	Dr. Bhola nath Pal	SMST	SERB	3 Yrs	2020
216	Stability Evaluation of Dump Slopes and Developing Slope Stability Models for Design of Long Term Stable Sump Slopes through Proper Benching and Vegetation – Part B	Dr. G.S.P. Singh	Mining	NCL	3 Yrs	2020
215	Stability Evaluation of dump slopes & developing slope stability model for design of Long Term Stable Dump Slopes through proper benching & vegetation : Part A	Dr. Rajesh Rai	Mining	NCL	3 Yrs	2020
214	Evaluation of ground behaviour in open cast and underground excavations using TDR	Prof. Sanjay Kumar Sharma	Mining	NCL	2 Yrs	2020
213	Contribution of Neighboring Industries over the air quality of mining area	Prof. Aarif Jamal	Mining	NCL	3 Yrs	2020

212	Study for impact assessment of back filling of fly ash in abandoned gorbi mine and treatment/management of acidic water to avoid contamination of ground water and soil	Prof. Aarif Jamal	Mining	NCL	2.5 Yrs	2020
211	Optimization Of capacity utilization of draglines deployed in NCL through Big data Analytics	Prof. Suprakash Gupta	Mining	NCL	3 Yrs	2020
210	Noble multimetallics/ZnO photocatalyst for hydrogen production from green sources	Dr. Indrajit Sinha	Chemistry	NPIU	1.5 Yrs	2019
209	Multilingual document summarization in quasi stationary environment	Dr. A.K. Singh	Computer	DRDO	2 Yrs	2019
208	Development of efficient metal free two-dimensional materials for energy and environment: an ab initio investigation	Dr. Vivek Kumar Yadav	Chemistry	SERB		2019
207	Creep and corrosion behaviour of Novel MRI2300 Magnesium Alloy with Nanoparticles Addition	Dr. AK Mondal	Metallurgy	CSIR	3 Yrs	2019
206	Synthesis and evaluation of diverse N- functionalized heterocyclic hybrids as multi target directed ligands for neuroprotective neurorestorative therapies	Dr. Senthil raja	PHARMA	MHRD STARS	3 Yrs	2019
205	Metal Nanostructure assisted plasmonic hot electron induced phase transformation in 2D- Transition metal di- chalcogenides for hydrogen evolution reaction	Dr. Santanu Das	Ceramic	STARS -MHRD	3 Yrs	2019
204	On understanding the solar activity and preparing for space weather prediction using a state of the art dynamo model	Dr. Bidya Binay Karak	Physics	ISRO	3 Yrs	2019
203	Research & Experiment in the area of advanced data structures and methodologies to represent and process large terrain datasets for efficient rendering	Prof Rajiv Srivastav	Computer	DRDO	7 Months	2019
202	Assessment of Structural Vulnerability through Characterisation of Tornado for a NPP Site	Dr. Arnab Sarkar	Mechanical	BRNS	3 Yrs	2019
201	Development of ORC technology for waste heat utilization for the generation of electricity	Dr. Jahar Sarkar	Mechanical	BRNS	3 Yrs	2019
200	Regional characterization of atmospheric aerosols at Varanasi Region	Dr. R.S Singh	Chemical	ISRO	3 Yrs	2019
199	Development of Functionally Graded Armour Composites (FGACs) Materials	Dr. Vikas Jindal	Metallurgy	DRDO	3 Yrs	2019
198	Bioluminescence based monitoring of tumor progression and treatment by apoptotic pathway	Dr. Deepak Kumar	Pharmaceutical Engg. & Tech.	DBT	5 Yrs	2019
197	Understanding the engineering behavior of unsaturated geomaterials and implementing it in limit analysis for solving geotechnical problems	Dr. Manash Chakraborty	Civil	SERB	2 Yrs	2019



196	Tuning self assembly of fluorescent Protein Nanodots for Melanoma Skin Cancer	Dr. Avanish Singh Parmar	Physics	SERB	3 Yrs	2019
195	Slope stability monitoring and analysis using hyperspectral imaging	Dr. Tarun Verma	Mining	SERB	3 Yrs	2019
194	Wear corrosion and biocompatibility of Tantalum (Ta) coated 316 L, Stainless steel for Orthopedic Applications	Dr. CK Behera	Metallurgy	SERB	3 Yrs	2019
193	Life Cycle and performance assessment of cold mix roads	Dr. Nikhil Saboo	Civil	NRIDA	1.5 Yrs	2019
192	Life cycle and performance of Waste Plastic roads	Dr. Nikhil Saboo	Civil	NRIDA	1.5 Yrs	2019
191	Development of Simulation Software for Spintronic Device & Circuit Simulation	Dr. Shivam Verma	Electronics	SERB	02 Yrs	2019
190	Safer Roads: Development of Mix Design Methodology for OGFC Mixes	Dr. Nikhil Saboo	Civil	CST-UP	3 Yrs	2019
189	Targeting kinesins Mediated regulation of nociceptors for the Treatment of Neuropathic Pain	Dr. Vinod Tiwari	Pharmaceutical	SPARC - MHRD	2 Yrs	2019
188	Prospects of power converters for integration of electric vehicle charging stations with the existing distribution system in India	Dr. Santosh kumar singh	Electrical	SPARC - MHRD	4 Yrs	2019
187	Novel Milk Exosomes for the combination therapy by using selected natural medicine (Paclitaxel & Colchicine) for the efficient management of breast cancer	Dr. Ashish kumar Agrawal	Pharmaceutical Engg. & Tech.	SERB	2 Yrs	2019
186	Promoting water Oxidation Reaction with Electrochemically Synthesized ultrathin Layered double Hydroxide Nanosheets	Dr. Arindam Indra	Chemistry	SERB	2 Yrs	2019
185	Developing Superior Noble Metal free Oxygen Evolution Catalyst for Electrochemical Water oxidation and Metal -Air Battery	Dr. Asha Gupta	Chemistry	SERB	2 Yrs	2019
184	Development of transition metal based nanocatalysts for bioinspired water oxidation	Dr. Arindam Indra	Chemistry	CSIR	3 Yrs	2019
183	Detailed study on the effect of mining as well as Thermal Power Stations on Natural water bodies in Singrauli Region and Recommendation Thereof	Prof PK Mishra	Chemical	NCL	3 Yrs	2019
182	Development of a unified physical model for hot deformation and creep to support the development of high temperature materials	Dr. Suryadeo Yadav	Metallurgy	DST-INSPIRE	5 Yrs	2019
181	Rheophysics of semi-rigid road building materials and optimization of their composites for the perception of heavy transport load	Dr. Nikhil Saboo	Civil	DST	2 Yrs	2019
180	Development of high strength ceramic magnet for rotating machine applications	Dr. Pradip Roy	Ceramic	SERB-IMPRINT	3 Yrs	2019

179	Electromagnetic Analysis, Design and Simulation of Dual Frequency (S- and C-band ) Relativistic Backward wave Oscillator – A HPM Source	Dr. M. Thottappan	Electronics	DRDO	3 Yrs	2019
178	Impact of Carbon Nanomaterial based Photocatalyst on Microalgae Growth and Lipid for improved Biodiesel	Prof. Rajiv Prakash	SMST	DBT	3 Yrs	2019
177	Development of magnetically recyclable visible light photocatalysts for H2O2 Production	Dr. Indrajit Sinha	Chemistry	BRNS	3 Yrs	2019
176	Development of novel near infrared fluorescence imaging probes for detecting amyloid beta species in eyes of Alzheimer's disease animal model	Dr. Gyan Prakash Modi	Pharmaceutics	ICMR	3 Yrs	2019
175	How Beclin 1 mediates cross-talk between apoptosis and autophagy via ITS C-Terminal Fragment?	Prof. Vikash Kumar Dubey	Biochemical	CSIR	3 Yrs	2019
174	Pharmacological evaluation of anti-diabetic effects of some natural drugs	Dr. Sairam Krishnamurthy	Pharma	DRDO	2 Yrs	2019
173	Output feed back controller design for linear parameter varying systems	Dr. Sandip Ghosh	Electrical	SERB	3 Yrs	2019
172	Assessing the Suitability of warm mix asphalt (WMA) Technology Using Tribological and Performance Characteristics	Dr. Nikhil Saboo	Civil	SERB, ECRA	3 Yrs	2019
171	Development of complex Aluminium Shell Part High pressure die-casting	Prof. Santosh Kumar	Mechanical	DRDL Hyderabad	1 Yr	2019
170	Aging studies and estimation of thermal properties of Liner Materials	Prof. Pralay Maiti	SMST	DRDO	2 Yrs	2019
169	Design and Development of Affordable Myoelectric Prosthetic Hand	Dr. Shiru Sharma	Biomedical	SERB-CRG	3 Yrs	2019
168	Cyclic thermochemical fuel generation	Dr. Randhir Singh	Metallurgy	SERB	3 Yrs	2019
167	Natural Template Based Novel Neuroprotective Molecules for the management of Alzheimer's Disease	Dr. G.P. Modi	Pharmaceutics	SERB- CRG	3 Yrs	2019
166	Role of short range ordering in designing high entropy alloys	Dr. Vikash Jindal	Metallurgy	SERB	3 Yrs	2019
165	National Geotechnical Conclave on "Development of Early warning system (EAWS) for Landslide Hazard Mitigation on 21-22 March, 2019	Dr. A.K. Verma	Mining	DST	One time grant	2019
164	Strategies towards generation of functional tissue engineered construct for orthopedic application	Prof. Pradip Srivastav	Biochemical	SPARC-MHRD	2 Yrs	2019
163	Harnessing the synergy of low band gap organic semiconductor and highly facile floating film transfer method for low cost efficient organic electronic devices	Prof. Rajiv Prakash	SMST	SPARC-MHRD	2 Yrs	2019
162	Removal of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) using Adsorption and Bioremediation	Dr. R.S Singh	Chemical	SPARC-MHRD	2 Yrs	2019

161	Whole body Vibration Exposure on HEMM Operators in Surface Coal Mines – An Assessment of Various Contributing Factors	Dr. S.K. Palei	Mining	SERB	3 Yrs	2019
160	Virtual synchronous generator for microgrid applications	Dr. N.Krishna Swami Naidu	Electrical	SERB	3 Yrs	2019
159	Design and development of Micro Seismic based technique for monitoring and prediction of slope failure in Pandoh, Himachal Pradesh, India	Dr. A.K. Verma	Mining	SERB	3 Yrs	2019
158	Chemical modification of Gaur Gum to improve its properties	Prof. Pralay Maiti	SMST	Hindustan Gum Pvt. Ltd	1 Yr	2019
157	NRDC Innovation Facilitation Centre	Prof. Rajiv Prakash	IPR	National Research Development Centre	3 Yrs	2019
156	Table Top SEM for CIF	Prof. Rajiv Prakash	CIF	Advanced Materials Pvt. LTd	One time grant	2019
155	Approximation methods for problems in fractional calculus of variations	Dr. Rajesh Kr. Pandey	Math	SERB	3 Yrs	2019
154	Direct cooling of the Silicon Photovoltaic Module Enabled by an Array of Micro channel built in the backside EVA -Layer	Dr. Ravi Prakash Jaiswal	Chemical	SERB	3 Yrs	2019
153	RKVY-RAFTAAR, Agribusiness Incubators (R-ABI) under RKVY-RAFTAAR Scheme	Prof. P.K.Mishra	Chemical	DACFW	2 Yrs	2019
152	Construction of Non-monotonic Lyapunov Function for the Dynamical Systems governed by differential inclusions	Dr. Shyam Kamal	Electrical	SERB	3 Yrs	2019
151	Controlled synthesis of MoO <sub>3</sub> nanoparticles inside mesoporous materials for oxidative dehydrogenation of organic molecules with CO <sub>2</sub>	Dr. Vijay Maruti Shinde	Chemical	SERB	3 Yrs	2019
150	Applications of Spectral graph theory in analyzing the structural properties of large scale networks	Dr. Lavanya Silveganeshan	Mathematics	SERB	3 Yrs	2019
149	Investigations of new lead free perovskite materials for solar cells	Prof. Prabhakar Singh	Physics	SERB	3 Yrs	2019
148	Photonic radiative cooler for passive sub-ambient cooling	Dr. Jahar Sarkar	Mechanical	SERB- IMPRINT	3 Yrs	2019

147	River Aquifer exchanges & hydrogeological study for watershed management of betwa river basin	Dr. Shishir Gaur	Civil	NRDMS	2 Yrs	2019
146	Development of Hgh Alumina(Al <sub>2</sub> O <sub>3</sub> ) & DOPED High Alumina materials for Ceramic Catridge Applications	Dr. Santanu Das	Ceramic	Yantransh Auto Pvt. Ltd	6 Months	2019
145	Development of Ti alloy based composites by mechanical alloying and stirrer casting route for dental applications	Dr. Rakesh kumar Gautam	Mechanical	SERB	3 Yrs	2019
144	A Stack development of utilized regenerative Proton Exchange Membrance Fuel Cell for Large Scale Production of Ultra Pure Hydrogen Fuel, Oxygen using Solar Energy & uninterrupted Power	Dr. Hiralal Pramanik	Chemical	SERB	3 Yrs	2019
143	Study and analysis of Mathematical Models of Moving Boundry Problems	Dr. Rajeev	Math	SERB	3 Yrs	2019
142	Low cost ammonia gas sensor based on polymer/polymer nanocomposite device formed by novel floating film transfer (FTM) technique	Prof. Rajiv Prakash	SMST	IMPRINT- SERB	2 Yrs	2019
141	Modelling & simulation of ultra-high temperature coating on sustrate using CVD/CVI Process	Dr. Vijay Maruti Shinde	Chemical	DRDO	2 Yrs	2018
140	Nanoscale interfacial magnetic skyrmions and its applications in memory devices	Dr. Shrawan Kumar Mishra	SMST	DST	3 Yrs	2018
139	Development and assessment of asphalt mastic from typical Indian and Austrian filler materials with a new test method	Dr. Nikhil Saboo	Civil	DST	2 Yrs	2018
138	Metal hexacyanoferrate modified screen printed electrodes for the removal of radio nuclides	Prof. P.C. Pandey	Chemistry	DRDO	3 Yrs	2018
137	Generation and analysis of light source with unconventional structure	Dr. Rakesh Kumar Singh	Physics	SERB	6 Months	2018
136	Design Modelling and simulation of linear Induction Drive for Propulsion Applications	Prof. R.K.Srivastava	Electrical	CARS, DRDO	2 Yrs	2018
135	Ramanujan Fellowship	Dr. Bidya Binay Karak	Physics	SERB	5 Yrs	2018
134	Modeling self assembly and phase seperation kinetics in the complex soft materials	Dr. Awaneesh Kumar Singh	Physics	SERB	3 Yrs	2018
133	Development of glasses as plant nutrients	Dr. R.K. Chaturvedi	Ceramic	SERB	3 Yrs	2018
132	Targeted drug delivery of methotrexate/gallic acid- folate conjugated Poly L-Lysine nanoparticles	Dr. Abha Mishra	Biochemical	DBT	3 Yrs	2018
131	Development of an intelligent evaporative cooler for composite climate	Dr. Jahar Sarkar	Mechanical	DST	2 Yrs	2018
130	Phytochemical and pharmacological evaluations of bioactivity guided fractions of medicinal plants of Tripura	Dr. A.N. Sahu	Pharmaceutics	DBT	3 Yrs	2018
129	Investigation on dynamic response analysis of shallow foundation resting on pond ash deposits	Dr. Supriya Mohanty	Civil	SERB- ECRA	3 Yrs	2018

128	Minimizing hysteresis in magnetic shape memory Heusler alloys for reversible magnetocaloric effect	Dr. Sanjay Singh	SMST	SERB	3 Yrs	2018
127	Mott transistors based Neuromorphic memory device	Dr. Shrawan Kumar Mishra	SMST	DST	3 Yrs	2018
126	A Robust medical image forensics system for smart healthcare	Dr. Tanim Datta	Computer	SERB	2 Yrs	2018
125	Landslide stability analysis in subzero environment around Kinnaur district of Himachal Pradesh, India	Dr. A.K. Verma	Mining	DST	3 Yrs	2018
124	Radionuclide sensing platform based on functionalized polymer having nanochannels using accelerator	Prof. Pralay Maiti	SMST	BRNS - DAE	3 Yrs	2018
123	Study, Design and Implementation of Frequency Selective Metasurfaces for Microwave Applications	Dr. Somak Bhattacharyya	Electronics	SERB-ECRA	3 Yrs	2018
122	Development of anticorrosive paints	Prof. Pralay Maiti	SMST	Harind Chem. & Pharmaceuticals Pvt. Ltd.	1 Yrs	2018
121	Meter Scale Granite block Smectic clay barriers experiment and associated TMH modeling for Indian Pit mode reference geological Disposal System	Dr. A.K. Verma	Mining	BRNS	3 Yrs	2018
120	Mix energy Source Electric Vehicle Charging System Design and its Impact on Indian Smart –distribution - grid	Dr. R.K.Singh	Electrical	DST	3 Yrs	2018
119	Novel Electrode Materials for Reversible alkali –ion (Li+/Na+) capacitors and Pseudocapacitors	Dr. Preetam Singh	Ceramic	SERB	3 Yrs	2018
118	Pharmacology of Natural drugs in obesity and eating disorders	Dr. Sairam Krishnamurthy	Pharmaceutical Engg. & Tech.	Natreon Inc.	2 Yrs	2018
117	Schwarz waveform relaxation methods for singularly Perturbed Parabolic Problems	Dr. Sunil Kumar	Math	SERB	3 Yrs	2018
116	The sun under the microscope – An integrated research activity to maximize the science return from a new generation of missions to study the sun	Dr. Abhishek Srivastav	Physics	UGC	2 Yrs	2018
115	Optimization of recovery of valuable metals from waste printed circuit boards (WPCBs) through modified hydrometallurgical route	Prof. K.K.Singh	Metallurgy	UGC	2 Yrs	2018
114	Elastocaloric effect measurement setup to study caloric effect in shape memory alloys	Dr. Sanjay Singh	SMST	UGC-DAE	3 Yrs	2018
113	In situ electron microscopy at atomic scale for understanding nucleation growth and interfaces of omega phase	Dr. Joysurya Basu	Metallurgy	SERB	3 Yrs	2018
112	Design Development & characterization of porous Ti/SiO <sub>2</sub> composite with tailored microstructure fabricated by powder metallurgy using rice husk and sucrose as space holder for orthopaedic applications	Dr. Kalyani Mohanta	Ceramic	DBT	1.5 Yrs	2018

111	Understanding the mechanism of action through cell biology and upgradation of herbal drug in solution and biodegradable patch for the treatment of diabetic foot ulcer	Prof. Pralay Maiti	SMST	BIRAC	16 months	2018
110	Collection of self-propelled particles in inhomogeneous environment : numerical & analytical Studies	Dr. Shradha Mishra	Physics	SERB	3 Yrs	2018
109	Development of low cost sodium ion battery: Fabrication and application of NASICON based electrodes	Prof. Rajiv Prakash	SMST	DST	3 Yrs	2018
108	RobustAdaptive Mesh Methods for Singularly Perturbed Problems in Ordinary and Partial Differential Equations	Dr. Sunil Kumar	Mathematical Science	SERB	3 Yrs	2018
107	Electronic Structure evolution across quantum critical point in Li(Ti <sub>1-x</sub> V <sub>x</sub> ) <sub>2</sub> O <sub>4</sub> Li <sub>1-x</sub> Zn <sub>x</sub> V <sub>2</sub> O <sub>4</sub>	Dr. Swapnil Patil	Physics	SERB	3 Yrs	2018
106	Flow and segregation of granular materials out of hoppers and two & three dimensional devices	Dr. Vishal Mishra	Biochemical	CST-UP	3 Yrs	2018
105	Neem seed based nanocapsules and nanomedicine for targeted drug delivery and cancer therapy	Dr. Pradip Paik	Bio- Medical	SERB	3 Yrs	2018
104	Active Vibration Control of Smart Composite and Sandwich Structures in hydro-thermal Environment	Dr. Rosalin Sahoo	Civil	SERB	3 Yrs	2017
103	Detailed lacture based curriculum development for science subjects as part of Induction Programme in AICTE COLLEGES	Dr. Indrajit Sinha	Chemistry	AICTE	2 Yrs	2017
102	Dissecting brain reward circuitry and CNS comorbidities in chronic neuropathic pain	Dr. Vinod Tiwari	Pharmaceutics	SERB-ECRA	3 Yrs	2017
101	Screening of novel antibiotics from the metagenome of Himalayan glacial soil	Dr. Ashish Kumar Singh	Biochemical	LSRB / DRDO	3 Yrs	2017
100	Design & Development of Combined Cooling and Power Generation system	Prof. S.K. Shukla	Mechanical	CST-UP	2 Yrs	2017
99	INSPIRE Faculty Award	Dr. Manash Chakraboratory	Civil	DST	5 Yrs	2017
98	Incorporating Intelligence in Email System	Dr. Ruchir Gupta	Computer Science	BRNS	2 Yrs	2017
97	Funcional-hollow-porous-bipolymer based Nanoformulations and Interventions for treatment of Cancer and prevention of Tuberculosis, concept of nanomedicine with multiple drugs for multiple diseases.	Dr. Pradip Paik	Bio- Medical	DST	3 Yrs	2017

96	Nanoparticles supported self Assembled Conducting Polymer Monolayer Based Platform for Rapid Detection of Monosodium Glutamate in Food Products	Dr. Marshal	Bio- Medical	DBT	3 Yrs	2017
95	Identification of Gene Responsible for Degradation of Poly (ethylene terephthalate) in Ideonella sakalensis	Dr. Ashish Kumar Singh	Bio- Chemical	DBT	3 Yrs	2017
94	Physical Layer Security for LTE based Wireless Networks to increase Jamming Margins	Dr. K.V. Srinivas	Electronics	CRL- BEL	1 Yr	2017
93	Propagation & Mitigation model of mixed road traffic noise for planning od mid- sized Indian Cities	Dr. Brind Kumar	Civil	MHRD- IMPRINT	3 Yrs	2017
92	Development of portable electrochemical sensor hydrogen peroxide	Prof. P.C.Pandey	Chemistry	BRNS Mumbai	3 Yrs	2017
91	Development and structural characterization of Bi <sub>2</sub> -xMx <sub>3</sub> +(y-3)/2 coating for protection against coolant & sensors	Dr. Joysurya Basu	Metallurgical Engg.	UGC DAE-CSR	3 Yrs	2017
90	Development of an energy –efficient wireless sensor networks for precision agriculture	Dr. H.P. Gupta	Computer Science	DST	3 Yrs	2017
89	Development of rare earth free ceramic magnet with high energy and curie temperature for motor applications	Dr. Pradip Kr. Roy	Ceramic Engg.	SERB	3Yrs	2017
88	Development of Polymer and Quantum Dots Blended Tandem Solar Cells Using Low Cost Solution Processed Method	Prof. Satyabrata Jit	Electronics	SERB	3 Yrs	2017
87	Cold sintered ferroelectric polymer Ceramic Nano composites for Energy Storage	Dr. Akanksha Dwivedi	Ceramic Engg.	SERB	3 Yrs	2017
86	Combined effect of dynamic electrical stimulation and surface charge on cellular functionality of electrovector and piezoelectrically toughened bioceramics	Dr. Ashutosh Kr. Dubey	Ceramic Engg.	SERB	3 Yrs	2017
85	Enhancement of Lipid Content in Microalga Scenedesmus Obliquus Using Genetic Engineering Tool: a step towards biodiesel	Dr. Ashish Kr. Singh	Biochemical Engg.	CST, U.P.	3 Yrs	2017
84	Sanction order for inspection of 751 GPs to the 11 technical Institution	Dr. P.K. Mishra	Chemical Engg.	CPCB, Delhi	1 Yr	2017
83	Construction of Cold Inducible Expression System	Dr. Ashish Kr.Singh	Biochemical Engg.	DBT, New Delhi	3 Yrs	2017
82	“Design and development of miniaturized pattern/frequency reconfigurable MIMO antennas and its performance improvement using artificial electromagnetic material”	Dr. Manoj Kr. Meshram	Electronics	SERB, New Delhi	3 Yrs	2017
81	Investigation of Glass - Ceramic for Capacitive Energy Storage Applications	Prof .Prabhakar Singh	Physics	CSIR	3 Yrs	2017
80	Design & investigation of thermal conducting two dimensional heterostructures.	Dr. Ashish Kumar Mishra	SMST	SERB	3 Yrs	2017

79	Development of bi-functional electrochemical nanobiosensors for bacterial exotoxin detection: Implication towards screening of toxin producing bacterial isolates	Dr. Pranjal Chandra (Transferred from IIT Guwahati)	Biochemical	SERB	5 Yrs	2016
78	Smart & Integrated Pedestrian System Design	Dr. Ankit Gupta	Civil	MHRD, MoUD, GMR Airport Developers (Ltd), Vikram Solar Pvt. LTd (Uchcharat Avishkar Yojana)	3 Yrs	2016
77	Characterization and validation of Schlieren Technique for Capturing Shock Wave	Dr. Amitesh Kumar	Mechanical Engg.	DRDO. New Delhi	2 Yrs	2016
76	DST-INSPIRE Faculty Award (IFA-13 PH 54) understanding structure and dynamics of the Interstellar medium	Dr. PrasunDuttta	Physics(T/F IISER Bhopal)	DST, New Delhi	5 Yrs	2016
75	On characterizing and Obtaining the Complete Efficient Solution Set of an Interval Optimization Problem under a D-Dominance and a variable Dominance Structure	Dr. Debdas Ghosh	Mathematical Sciences	SERB, New Delhi	3 Yrs	2016
74	Co2 Capture in Carbon nanocomposites	Ashish Kumar Mishra	SMST(T/F IISER Bhopal)	DST	5 Yrs	2016
73	Photolabile Protected Monosaccharides: Syntehsis and Application to Oligosaccharides Synthesis Using a Continuous flow	Dr. Jeyakumar Kandasamy	Chemistry	DST	3 Yrs	2016
72	Development of solution methods for Abel's integral equations and generalized Abel's integral equation	Dr.Rajesh Kr. Pandey	Mathematical Sciences	DAE, Mumbai	3 Yrs	2016
71	Seamless synthesis of large-area 2D transition metal di-chlcogenide semiconductors and their applications in next-generation high-performance optoelectronic devices	Dr. Santanu Das/ Dr. BholaNath Pal	Ceramic Engineering	SERB	3 Yrs	2016
70	Numerical methods for integral equations and differential equations by using Wavelets and operational matrix	Dr. Vineet Kumar Singh	Mathematical Sciences	SERB	3 Yrs	2016
69	Fabrication of low-cost High-through out Flow Cytometer using tunable nanolenses.	Dr. Ankur Verma	Chemical Engg.	DST, New Delhi	3 Yrs	2016
68	Pharmacological Effect of novel formulation in experimental allergic encephalomyelitis rodent model	Dr. Sairam Krishnamurthy	Pharmaceutics	DISTO Pharmaceutics	1 Yrs	2016
67	Development of low voltage, low power, colloidal quantum dot light-emitting transistors for next generation display technology	Dr. BholaNath Pal	SMST	SERB	3 Yrs	2016



66	Development of high Thorough put Processing route for CIGS PV absorber films by spray pyrolysis of Pre-synthesised Nanoparticle Ink	Dr. M.I. Ahmad/ Dr. S. Das	Ceramic	SERB	3 Yrs	2016
65	Design Investigations of High Power MM Wave W Band Gyatron	Prof. P.K. Jain	Electronics	DRDO, CARS, Begalooru	2 Yrs	2016
64	Experimental Evaluation of Geroprotective Activity of Some Compounds	Dr. Sairam Krishnamurthy	Pharmaceutics	Natreon Inc., U.S.A.	2 Yrs	2016
63	Evaluation of some compounds in experimental Alzheimer Disease	Dr. Sairam Krishnamurthy	Pharmaceutics	Natreon Inc., U.S.A.	2 Yrs	2016
62	Photolabile Protected Monosaccharides: Synthesis and Application to Oligosaccharides Synthesis Using a Continuous flow Photoreactor	Dr. Jeyakumar Kandasamy	Chemistry	Germany	3 Yrs	2016
61	Studies on Improvements in Stiffness of Aluminum Alloy Fibres	Dr. Rampada Manna/ Dr. K. Chattopadhyay	Metallurgical Engg.	D.R.D.O.,CARS, Jodhpur	18 months	2016
60	Development of nickel free nitrogen austenitic stainless steel for biomedical applications	Dr G.S. Mahobia Dr. Kausik Chattopadhyay/ Prof. Vakil Singh	Metallurgical Engg.	Min. of Steel, Gol	3 Yrs	2015
59	Development of a Rubber based sheet Hydro forming setup	Prof. Santosh Kumar	Mechanical	DRDL, CARS Hyderabad	2 Yrs	2015
58	Polymeric Nanobiohybrids for Tissue Engineering and Drug Delivery	Prof. Pralay Maiti	SMST	SERB	3 Yrs	2015
57	Observations and Modeling of solar transients & space weather candidates	Dr. Abhishek Kr. Srivastava	Physics	SERB	3 Yrs	2015
56	Efficient Generation of a Query-Specific Extractive Summary on Multiple Documents – A Distributive Approach	Dr. Ravindranath Chowdary	Computer Science	SERB	3 Yrs	2015
55	Development & Evaluation of Infrared Nanoparticles for Cellular-wide sensitive E-field Mapping	Dr. Manoj Kumar	Chemical Engg.	DST Nano Mission	3 Yrs	2015
54	MHD Waves in the Solar Atmosphere and Refined Magneto-seismology	Dr. Abhishek Kr. Srivastava/ Dr. Anita Mohan	Physics	ISRO	3 Yrs	2015
53	Delineating the molecular interactome of Calcineurin, post phagosome formation in mycobacterial pathogenesis	Dr. Somdeb Das Gupta	Biomedical Engg.	SERB-DST	3 Yrs	2015
52	De Novo Synthesis of orthogonally protected uronic acid building blocks: Access to various important oligosaccharides	Dr. JeyakumarKandasamy	Chemistry	SERB	3 Yrs	2015

51	Development of Electropulsing Facility for Synthesis of Bulk Nanostructured Materials	Dr. Rampada Manna Prof. G.V.S. Sastry/ Prof. R.K. Pandey/ Prof. S.N. Ojha	Metallurgical Engineering	B.R.N.S.	2 Yrs	2015
50	NOx Removal from Diesel Exhaust by combined NOx storage Reduction and NH3 SCR System	Dr. Sweta	Chemical Engg.	SERB	3 Yrs	2015
49	Study and Analysis of Mathematical Models of Nonlinear Fractional Order Diffusion Equations"	Dr. Subir Das	Mathematical Sciences	SERB	3 Yrs	2015
48	Development of SrTiO3 based Anode Materials for Intermediate Temperature Solid Oxide Fuel Cells	Dr. Prabhakar Singh/Prof. A.S.K. Sinha	Physics	BRNS	3 Yrs	2015
47	Electromagnetic Analysis, Design and simulation of an X-band Gyro-Twystron Amplifier	Dr. M. Thottappan Prof. P.k. Jain	Electronics Engg.	SERB	3 Yrs	2015
46	Neutron Diffraction Studies on Nanoparticles of Cobalt Chromite by A/B Site Mixing	Dr. Chandana Rath	SMST	UGC- DAE-CSR	3 Yrs	2015
45	INSPIRE Faculty Award	Dr. Neha Agnihotri	Physics	DST, New Delhi	5 Yrs	2015
44	Study of Magnetospheric Wave-Particle interaction, Aurora, Airglow and Conductivities on Planets and their Satellites	Dr. D. Giri/R.P. Singhal/ O.N. Singh	Physics	ISRO	3 Yrs	2015
43	Screening of Novel Psychrophilic alkaline Protace from the metagenome of Antarctic soil	Dr. Ashish Kumar Singh	Biochemical	SERB	3 Yrs	2014
42	Design Development and Fabrication of an Incremental Sheet Hydro forming Machine Setup	Dr. Santosh Kumar	Mechanical Engg.	SERB	3 Yrs	2014
41	Evaluation and Optimisation of Biodiesel Production from Microalgae	Prof. Yogesh Chandra Sharma	Chemistry	DST	3 Yrs	2014
40	Design and Development of a smart Energy Grid Architecture with Energy storage	Prof. R.K. Pandey	Electrical Engg.	DST	3 Yrs	2014
39	Design and Synthesis of novel Matrix Metallo Proteinase (MMP-2 & 9) Inhibitors as therapeutic agents for Alzheimer's Disease	Dr. S.K. Singh	Pharmaceutics	DBT	3 Yrs	2014
38	FIST Programme under the Head, Department of Chemical	The Head	Chemical Engg.	DST (INSPIRE &	5 Yrs	2014
37	Centre for Energy and Resources Development	Dr. S.K. Shukla	Mechanical Engg.	MHRD FAST Scheme	2 Yrs	2014

36	Development & evaluation of nanocarrier for enhanced anti-microbial activity of anacardic acid against human and plant pathogens	Dr. Sanjay Singh	Pharmaceutics	DST	3 Yrs	2014
35	Design of High Temperature Facility for Graphite Dust Formation and Transport.	Dr. Prasant Shukla	Mechanical Engg.	BRNS (DAE)	2 Yrs	2014
34	Cognitive Linguistic study of perception verbs in Hindi and English: In the context of machine translation	Dr. Swasti Mishra	Humanities	DST (CSRI)	2 Yrs	2014
33	Quenching behavior of dry heated ord with nanofluid	Dr. Pradyumna Ghosh	Mechanical Engg.	BRNS	2 Yrs	2014
32	Assessment of residual stress upon friction stir welding of steel	Dr. Mohd. Zaheer Khan Yusufzai	Mechanical Engg.	SERB	3 Yrs	2014
31	Technology and Fabrication of Tabletop CNC Machine for Micro-Tubular Hydro forming Setup	Prof. Santosh Kumar	Mechanical Engg.	BARC, Mumbai	2 Yrs	2014
30	A Systematic Study on the Correlation Between Structural, Magnetic and Properties of Multiferritic $Cd_{1-x}A_xV_2O_4$ and $Bi(Mn_{1-x}A_x)_2O_3$ [A=Fe,Co,Ni] both in bulk and nano phases	Dr. Sandip Chatterjee	Physics	BRNS-DAE	3 Yrs	2014
29	Development of new Electrolyte materials with optimized electrical/ionic/conductivity for Solid Oxide Fuel Cells	Dr. Prabhakar Singh	Physics	DRDO	3 Yrs	2014
28	Development of technology for the generation of biological hydrogen: a second generation fuel	Ms. Neha Srivastava under guidance of Prof. P.K.Mishra	Chemical Engg. & Tech.	DST	3 Yrs	2014
27	Development and evaluation of an innovative poly herbal Bi layer	Dr. Pradeep Srivastava	Biochemical Engg.	DRDO	3 Yrs	2014
26	Development of Microfluidic tools for neuromuscular synaptogenesis and nanotoxicological studies	Dr. Sanjeev Kumar Mahto	Biomedical Engg.	DST	5 Yrs	2014
25	Effect of Mean Stress on High Cycle Fatigue (HCF) Properties of GTM-SU-718 Alloy	Prof. Vakil Singh	Metallurgical Engg.	DRDO	18 Months	2014
24	Development and validation of coupled Thermo-Hydro-Mechanical (THM) models for radioactive waste repositories in fractured rocks	Dr. A.K. Verma	Mining	DST- INSPIRE	6 Yrs	2013
23	DST-INSPIRE Faculty Award "Andrew Transport in Low Dimensional (1D/2D) Systems"	Dr. Amit Kumar	SMST	DST	5 Yrs	2013
22	Development of Sheet Hydro-forming Process for missile Components	Prof. Santosh Kumar	Mechanical Engg.	Defence Research & Development Lab (DRDL), Hyderabad	2 Yrs	2013
21	Study of tool wear in Diamond turn Machining & Micro Machining Process	Prof. Sandeep Kumar	Mechanical Engineering	BARC Mumbai	2 Yrs	2013

20	Dynamics of IONS in Tellurite Glasses of Variables Composition	Dr. Prabhakar Singh	Physics	CSIR	3 Yrs	2013
19	IFA-12-Ph-22 DST/INSPIRE FACULTY Award/2012 INPIRE FACULTY AWARD	Shri Sunil Kumar Mishra	Physics	DST	5 Yrs	2013
18	DST/INSPIRE Faculty Award (IFA-12-PH-21)	Dr. S.K. Singh	Physics	DST	5 Yrs	2013
17	DAE-Raja Ramanna Fellow	Prof. S.N. Upadhyay	Chemical Engg. & Tech.	DAE	3 Yrs	2013
16	Development of Air Breathing Microfluidic Fuel Cell for the Direct Use of Ethanol as fuel for Power Generation	Dr. Hiralal Pramanik	Chemical Engg. & Tech.	SERB	3 Yrs	2013
15	Design, Development and Performance Analysis of Silicon Carbide Converter for Aerospace Application	Dr. Santosh Kumar Singh	Electrical Engg.	SERB	3 Yrs	2013
14	A Versatile Bidirectional Optional Battery Charger	Dr. Rajeev Kumar Singh	Electrical Engg.	SERB	2 Yrs	2013
13	Analysis, Design and Simulation of an S Band MILO	Prof. P.K. Jain	Electronics Engg.	DRDO	3 Yrs	2013
12	Exploring the Effect of Processing Parameters on the Corrosion Behavior of Iron-Alumina/Zirconia Metal Matrix Nanocomposites (MMNC)	Prof. Devender Kumar	Ceramic Engg.	CSIR	3 Yrs	2013
11	DST-INSPIRE Fellow	Bratindranath Mukherji	Metallurgical Engg.	DST	5 Yrs	2013
10	Fractional Calculus approached for Two Dimensional Ground Water Contamination in Unsaturated Porous Media	Dr. Subir Das	Mathematical Sciences	BRNS, BARC, Mumbai	3 Yrs	2013
9	A different perspective of Spectral Graph Theory in the Structural characterization of Networks	Dr. Lavanya Sivakumar	Mathematical Science	SERB	3 Yrs	2013
8	Award of Ramanujan Fellowship	Dr. Amit Kumrar	SMST	SERB	5 Yrs	2013
7	Pyrolysis of Biomass for the Production of Bio-oil: Experimental and Computational Study	Dr. J.P. Chakraborty	Chemical Engg.	DST	3 Yrs	2012
6	Wavelets and operational matrix based techniques for integral and differential equations	Dr. Rajesh Kumar Pandey	Mathematical Sciences	SERB, New Delhi	3 Yrs	2012
5	J.C. Bose Fellowship	Prof. Dhananjay Pandey	SMST	SERB	5 Yrs	2012
4	Synthesis and Characterization of Novel Segmented Polyurethane-Graphene Nanocomposites for Biomedical Applications	Prof. Pralay Maiti	SMST	CSIR	3 Yrs	2012