

## **SwarnaJayanti Fellowships Scheme- 2019-20**

### **Applications Received from Eligible Candidates - Engineering Science**

**(Applicant may inform if there is any mistake or provide missing information to [jacob@nic.in](mailto:jacob@nic.in) & [seena.raju1@gov.in](mailto:seena.raju1@gov.in) before 25<sup>th</sup> May, 2020)**

<b>S.No</b>	<b>Title of the Proposed Project Proposal/ Temporary File No.</b>	<b>Applicant Name And Address</b>
1.	Development of Solar Powered Robotic Transplanter for Plug-type Vegetable Seedlings  DST/SJF/ET/2020/133	Dr.Abhijit Khadatkar  Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal Madhya Pradesh-462038
2.	Investigations on the Aerodynamic Efficiency of Vertical Axis Wind Turbine Development and Installation of a Prototype  DST/SJF/ET/2020/135	Dr.Rahul Goyal  Indian Institute of Technology-Delhi, Hauz Khas, New Delhi Delhi-110016
3.	A comparison of field and laboratory tests of large diameter vertical pile in sandy soil  DST/SJF/ET/2020/139	Dr.Naveen B P  Amity University Amity Education Valley , Panchgaon, Gurgaon Haryana-122413
4.	Development of Systems and Methods to Defeat India's Challenge in Electric Power Demand with Electrical Vehicles by Generating Electric Power from Parked Electric Vehicles using Modified Wind Energy Conversion System in Micro Grid  DST/SJF/ET/2020/140	Dr.Prince Winston D  Kamaraj College of Engineering and Technology, S.P.G.Chidambara Nadar C.Nagammal Campus, Near Virudhunagar, Madurai District K. Vellakulam Tamilnadu-625701
5.	Inclusive Immersive Interaction Framework for users with SSMI through User Modelling  DST/SJF/ET/2020/143	Dr.Pradipta  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
6.	Design and Development of Low-Cost Silicon Photonic Integrated Circuit based Sensors for Label-free Bio-Detection and other Industrial Applications  DST/SJF/ET/2020/146	Dr.Mrinal Sen  Indian Institute of Technology-ISM Dhanbad Dhanbad Jharkhand-826004

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7.	Secure Computation for Social Good  DST/SJF/ET/2020/147	Dr.Arпита Patra  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
8.	Large-area “printed” desalination membranes derived from external stimulus aligned graphene oxide liquid crystals  DST/SJF/ET/2020/149	Prof.S Bose  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
9.	Integrated RF-Optical-RF Converters using Semiconductor Ring Lasers  DST/SJF/ET/2020/150	Dr.Azeemuddin  International Institute of Information Technology-Hyderabad Gachibowli, Hyderabad Telangana-500032
10.	Development of a low cost sensor array based on surface functionalized 2D-MoS <sub>2</sub> for detection of vital proteins and neurotransmitters in human fluids  DST/SJF/ET/2020/151	Dr.Sushmee Badhulika  Indian Institute of Technology-Hyderabad Kandi, Sanga Reddy, Hyderabad Telangana-502285
11.	Experimental and numerical studies on bacterial application for post-fire self-healing, surface treatments and mix designs for the development of sustainable fire resistant cement- based composites.  DST/SJF/ET/2020/154	Prof.Ajitanshu  Invertis University Delhi Lucknow Highway NH-24, Bareilly Uttar Pradesh-243123
12.	Approximate Computing in IoT, Wearable, and Energy-Harvesting Devices using Unconventional Technologies  DST/SJF/ET/2020/157	Prof.Smruti Ranjan Sarangi  Indian Institute of Technology -Delhi Hauz khas, New Delhi Delhi-110016
13.	Cloaking Structures from Earthquakes  DST/SJF/ET/2020/158	Dr.Surendra Nadh Somala  Indian Institute of Technology-Hyderabad Kandi, Sanga Reddy, Hyderabad Telangana-502285
14.	Developing a sustainable solution for the management of Thermocol Waste  DST/SJF/ET/2020/163	Dr.Nidheesh P V  CSIR-National Environmental Engineering Research Institute Nehru Marg, Nagpur Maharashtra-440020

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15.	2D Nanosheets based non-contact Intelligent Human-Machine Interaction system  DST/SJF/ET/2020/165	Dr.Mahesh Kumar  Indian Institute of Technology-Jodhpur Old Residency Road, Ratanada Jodhpur Rajasthan-342011
16.	Securing Hardware Accelerators and Reusable IP Cores for Consumer Electronics Systems  DST/SJF/ET/2020/169	Dr.Anirban Sengupta  Indian Institute of Technology-Indore Khandwa Road, Simrol Indore Madhya Pradesh-453552
17.	Development of cost effective, ultra- compact and high-sensitive on-chip hybrid plasmonic waveguide gas sensor for smart cities  DST/SJF/ET/2020/171	Dr.Mandeep Singh  National Institute of Technology Karnataka Surathkal Srinivasanagar, Mangalore Karnataka-575025
18.	Synthesis of lighter fuel compounds by pyrolysis of selected crop residues  DST/SJF/ET/2020/172	Dr.Sandip  ICAR-Central Institute of Agricultural Engineering Nabibagh Berasia Road, Bhopal Madhya Pradesh-462038
19.	Printed flexible passive matrix colour displays  DST/SJF/ET/2020/173	Dr.Parasuraman Swaminathan  Indian Institute of Technology-Madras IIT P.O., Chennai Tamilnadu-600036
20.	Intellects of ancient cities of India Re- establishing the link to strategize livability of the modern cities  DST/SJF/ET/2020/174	Dr.Arnab Jana  Indian Institute of Technology-Bombay Powai, Mumbai Maharashtra-400076
21.	Artificial Intelligence and Virtual Reality based Personalized Framework for Remote Management of Diagnostics and Therapeutics of Children with Cognitive Disabilities ALL-SMILE  DST/SJF/ET/2020/175	Dr.Amit Acharyya  Indian Institute of Technology-Hyderabad Kandi, Sanga Reddy, Hyderabad Telangana-502285
22.	Estimation of turbulent fluxes and mixing efficiency in shear-stratified flows using fully resolved experiments  DST/SJF/ET/2020/176	Prof.Sridhar Balasubramanian  Indian Institute of Technology-Bombay Powai, Mumbai Maharashtra-400076
23.	Design and development of viscoelastic flexible composite coupling for helicopters tail rotor shaft  DST/SJF/ET/2020/177	Dr.Saurabh Chandraker  National Institute of Technology Karnataka, Surathkal Srinivasanagar, Mangalore Karnataka-575025

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24.	Tunable Solidly Mounted Resonators SMR and Filters for 5G Applications.  DST/SJF/ET/2020/178	Dr.Jitendra Singh  CSIR -Central Electronics Engineering Research Institute, Pilani, Rajasthan-333031
25.	Ultrasensitive protein detection in frugal paper-based devices  DST/SJF/ET/2020/179	Prof.Bhushan Toley  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
26.	Oncologic Response Evaluation in Lymphoma and other cancers using MultiParametric MR Imaging and Artificial Intelligence  DST/SJF/ET/2020/180	Dr.Amit Mehndiratta  Indian Institute of Technology- Delhi Hauz Khas, New Delhi Delhi-110016
27.	Developing a configurational force based methodology for fracture assessment and recovery in human bones  DST/SJF/ET/2020/181	Dr.Abhishek Tiwari  Indian Institute of Technology-Ropar Nangal Rd, Hussainpur, Rupnagar, Punjab-140001
28.	IoT and Machine Learning Based Real Time Intelligent Transportation System for Management of Local City Buses  DST/SJF/ET/2020/183	Dr.Gopal Sakarkar  G H Raison College of Engineering, Nagpur, CRPF Gate No. 3, Digdoh Hills, Hingna Road, Nagpur Maharashtra-440016
29.	Design and Fabrication of nano- reinforced piezoelectric fiber based sensor/actuator for Knee health assessment applications  DST/SJF/ET/2020/184	Dr.Poonam  Indian Institute of Technology-Guwahati Guwahati Assam-781039
30.	Quantum Heterostructure Based Artificial Synapse for Bio-Inspired Neuromorphic System-on-Chip  DST/SJF/ET/2020/185	Prof.Mayank Shrivastava  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
31.	Tackling antimicrobial resistance through single bacterial cell capture and profiling using AC electric fields  DST/SJF/ET/2020/194	Dr.Shalini Gupta  Indian Institute of Technology- Delhi Hauz Khas, New Delhi Delhi-110016
32.	Scientific Understanding and Technical Development of Metal-CO2 battery with CO2 as an Energy Carrier for India's Mars Mission  DST/SJF/ET/2020/196	Prof.Chandra S Sharma  Indian Institute of Technology-Hyderabad Kandi, Sanga Reddy, Hyderabad Telangana-502285

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33.	Portable automatic diagnosis machine for cardiac valve diseases  DST/SJF/ET/2020/198	Dr.Kalpna Chauhan  Central University of Haryana, Jant-Pali, Mahendergarh Haryana-123029
34.	Drinking Water from Aerial Moisture through Temperature Swing Thermo-Sensitive Metal-Organic Framework Tethered Chitosan-Alginate Hydrogel Beads  DST/SJF/ET/2020/199	Dr.Krishnendu Pramanik  Calcutta Institute of Technology Banitabla, Uluberia, Howrah West Bengal-711316
35.	Some Investigations on Designing of Efficient Printed Microwave Components and Prototyping System Development using Electromagnetics Metamaterial Technology for Non-Invasive Flexible and Implantable Biomedical/Healthcare Applications  DST/SJF/ET/2020/200	Dr.Taimoor Khan  National Institute of Technology-Silchar, Silchar, Assam-788010
36.	Design and Development of Multiple Spherical Fruits Grading and Sorting Machine  DST/SJF/ET/2020/204	Dr.Nilesh Parashram Awate  G H Raison College of Engineering, Nagpur, CRPF Gate No. 3, Digdoh Hills, Hingna Road, Nagpur Maharashtra-440016
37.	Automated Generation of Long and Multi-turn Natural Conversations  DST/SJF/ET/2020/208	Dr.Maunendra Sankar Desarkar  Indian Institute of Technology-Hyderabad Kandi, Sanga Reddy, Hyderabad Telangana-502285
38.	Particulate matter removal and CO <sub>2</sub> capture in heavy traffic areas of metro cities  DST/SJF/ET/2020/209	Dr.G Srinivas  B V Raju Institute of Technology Vishnupur, Narsapur, Medak District Telangana-502313
39.	Moving away from “ordered” towards “disordered” Li - transition metal oxide cathodes for Li-ion batteries Opening-up the possibility for using a wide range of transition metals, sans Co  DST/SJF/ET/2020/210	Prof.Amartya Mukhopadhyay  Indian Institute of Technology-Bombay Powai, Mumbai Maharashtra-400076
40.	Formation of beads on the exterior and corrugation on the interior of a cylinder using flow instabilities for various applications  DST/SJF/ET/2020/211	Prof.Naveen Tiwari  Indian Institute of Technology-Kanpur Kanpur Nagar Uttar Pradesh-208016

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41.	Low-cost ZnO-transistor based DC-to-DC converter for next-generation hybrid electric vehicles and energy storage systems  DST/SJF/ET/2020/212	Dr.Shaibal Mukherjee  Indian Institute of Technology-Indore Khandwa Road, Simrol Indore Madhya Pradesh-453552
42.	Designing Algorithms Through Microeconomics  DST/SJF/ET/2020/214	Dr.Siddharth Barman  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
43.	HetRadio Communication for Cooperative and Co-Existence Networks  DST/SJF/ET/2020/215	Dr.K Krishna Naik  Defence Institute of Advanced Technology Pune Girinagar, Near Khadakwasla Dam, Pune Maharashtra-411025
44.	Heterogeneous integrated low-loss 2D material photonic devices for nonlinear optical applications  DST/SJF/ET/2020/218	Dr.Varun Raghunathan  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
45.	Understanding interfacial evolution through GPU based Multiscale simulations and Genetic Algorithm enabled Artificial Intelligence  DST/SJF/ET/2020/220	Dr.Arup Kumar Das  Indian Institute of Technology-Roorkee Roorkee Uttarakhand-247667
46.	Remote Control Based Self Propelled Site-Specific Chemical Applicator for Field Crops  DST/SJF/ET/2020/221	Dr.Ashok Kumar Arrudra  Dr.NTR College of Agricultural Engineering, Bapatla Karlapalem Road, Guntur District, Andhra Pradesh-522101
47.	Field deployable sensors for soil health monitoring for precision agriculture  DST/SJF/ET/2020/224	Dr.Saakshi  Indian Institute of Technology-Jodhpur Old Residency Road, Ratanada Jodhpur Rajasthan-342011
48.	Treatability Study of Wet-finishing Chemical Auxiliaries and Development of Sustainable Treatment Systems  DST/SJF/ET/2020/225	Dr.S Sundarapandiyan  CSIR Central Leather Research Institute Sardar Patel Road Adyar Chennai Tamilnadu(600020)
49.	Compact Low-Dosage HV Generator with Fast-Dynamics for X-Ray Applications  DST/SJF/ET/2020/226	Dr.Himanshu Jaywant Bahirat  Indian Institute of Technology-Bombay, Powai, Mumbai Maharashtra-400076

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50.	Dysarthric Speech Processing DySP - a unified approach for health monitoring, assistance in communication and conversation - for patients with amyotrophic lateral sclerosis and Parkinson's Disease  DST/SJF/ET/2020/227	Prof.Prasanta Kumar Ghosh  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
51.	Flexible Non-Invasive Real-Time Wearable Health Monitoring System With Self-Contained Oxide TFTs  DST/SJF/ET/2020/228	Dr.Pydi Ganga Mamba Bahubalindrani  Indian Institute of Science Education and Research-Bhopal Bhopal Bypass Road, Bhauri, Bhopal Madhya Pradesh-462066
52.	Novel nanoelectronic zero-bias terahertz detectors  DST/SJF/ET/2020/232	Dr.Arun Kumar Singh  Punjab Engineering College Sector-12 Chandigarh-160012
53.	Development of 2D Nanomaterial based electrochemical biosensor for the detection of cancer and tumor biomarker  DST/SJF/ET/2020/233	Dr.Subhashis Das  Brainware University 398, Ramkrishnapur Road, Barasat, Near Jagadighata Market, Kolkata West Bengal-700125
54.	Innovative Road Safety Evaluation using Drones/Aerial Images and Determining Safety Requirement of different Vehicle types in Indian Traffic Conditions  DST/SJF/ET/2020/234	Dr.Ravi Shankar KVR  National Institute of Technology-Warangal Kazipet, Warangal Telangana-506004
55.	Novel Nanophotonic Devices Based on PT symmetry and spatiotemporal modulation  DST/SJF/ET/2020/235	Dr.Naresh Kumar Emani  Indian Institute of Technology-Hyderabad Kandi, Sanga Reddy, Hyderabad Telangana-502285
56.	Low temperature liquid metal batteries using ionic liquid mixtures  DST/SJF/ET/2020/236	Dr.Praveen  Indian Institute of Technology-Hyderabad Kandi, Sanga Reddy, Hyderabad Telangana-502285
57.	On-chip Mid-Infrared spectroscopy for next-generation volatile compound sensing  DST/SJF/ET/2020/240	Dr.Shankar Kumar Selvaraja  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012

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58.	MxEN: Development of the Emergent, smartly engineered, next-generation heterostructures for efficient, stable, and cost-effective energy harvesting and storage devices  DST/SJF/ET/2020/241	Dr.Praveen Kumar  Indian Association for the Cultivation of Science 2A & 2B Raja S C Mullick Road, Kolkata West Bengal-700032
59.	Development of a domestic scale small millets instant dehusking prototype device  DST/SJF/ET/2020/242	Dr.Nanje Gowda N A  M S Ramaiah University of Applied Sciences University House, Gnanagangothri Campus, New Bel Road, M S R Nagar,Bengaluru Karnataka-560054
60.	Bio-inspired evaporation through superhydrophobic film of reduced metal oxide nanoparticles at the air-water interfaces  DST/SJF/ET/2020/243	Dr.Aditya Kumar  Indian Institute of Technology-(ISM) Dhanbad Sardar Patel Nager, Dhanbad Jharkhand-826004
61.	Brain Computer Interface for classification of brain waves to identify the disorder in human body  DST/SJF/ET/2020/244	Dr.Manish Kumar Bajpai  PDPM Indian Institute of Information Technology Design & Manufacturing, Dumna Airport Road, Khamaria, Jabalpur Madhya Pradesh-482005
62.	Development of ubiquitous, intelligent and interactive smart spaces enabled context-aware IoT healthcare support system for treatment COVID-19  DST/SJF/ET/2020/245	Dr.Mohammad Ahsan Chishti  National Institute of Technology-Srinagar, Hazratbal, Srinagar Jammu and Kashmir-190006
63.	Application of nanosecond pulsed plasma discharge in gas turbine combustion “a way forward towards clean and efficient combustion  DST/SJF/ET/2020/246	Dr.Santanu De  Indian Institute of Technology-Kanpur Kanpur Nagar Uttar Pradesh-208016
64.	Producing ultrafine/nano structured magnesium alloys by using stationary shoulder friction stir processing  DST/SJF/ET/2020/247	Dr.Vivek Patel  Pandit Deendayal Petroleum University, Gujarat Knowledge Corridor, Raisan, Gandhinagar Gujarat-382007
65.	Design and Development of an Instantaneous Automatic Sea Water Nutrient Analysis  DST/SJF/ET/2020/248	Dr.Muthu Kumaran E  Dr B R Ambedkar Institute of Technology Pahargaon, Port Blair Andaman and Nicobar-744103



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66.	A unified investigation on the primary and secondary atomization stages of non-Newtonian liquids  DST/SJF/ET/2020/249	Dr.Lipika Kabiraj  Indian Institute of Technology-Ropar Nangal Road, Ropar Punjab-140001
67.	High-Performance Compiler Infrastructure for ML/AI Computations  DST/SJF/ET/2020/253	Prof.Uday Kumar Reddy B  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
68.	Concepts for Quantum Phononics  DST/SJF/ET/2020/254	Dr.Prabhu Rajagopal  Indian Institute of Technology-Madras IIT P.O., Chennai Tamilnadu-600036
69.	Empowering Autonomy Through Innovative Control Design  DST/SJF/ET/2020/256	Dr.Ashwini Ratnoo  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
70.	Fully printed large area electronics for sensor and display backplanes  DST/SJF/ET/2020/257	Prof.Subho Dasgupta  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
71.	Radio Frequency Waveform Engineering Inspired Ultra-Wideband On-Chip PA Design  DST/SJF/ET/2020/258	Dr.Karun Rawat  Indian Institute of Technology -Roorkee Roorkee Uttarakhand-247667
72.	Sanved - Bias Sensitive Privacy Preserving Machine Learning for Person Authentication  DST/SJF/ET/2020/259	Prof.Richa Singh  Indian Institute of Technology-Jodhpur Old Residency Road, Ratanada Jodhpur Rajasthan-342011
73.	Understanding neural correlates of Autism Phenotypes and Developing technology for early Diagnosis and Rehabilitation  DST/SJF/ET/2020/260	Dr.Tapan Kumar Gandhi  Indian Institute of Technology-Delhi Hauz Khas New Delhi Delhi-110016
74.	Fabrication of cost-effective electromagnetic spectrogram to identify the erosion in cervical spine  DST/SJF/ET/2020/262	Dr.Sudip Paul  North Eastern Hill University (NEHU) Mawlai, Shillong Meghalaya-793022

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75.	Learning to Analyze and Synthesize 3D Structures  DST/SJF/ET/2020/263	Prof.Siddhartha Chaudhuri  Indian Institute of Technology-Bombay Powai, Mumbai Maharashtra-400076
76.	Developing a functional near infrared spectroscopy (fNIRS) to measure cerebral tissue oxygenation and blood flow using a novel camera-based diffuse correlation spectroscopy system.  DST/SJF/ET/2020/264	Prof.Hari M Varma  Indian Institute of Technology-Bombay, Powai, Mumbai Maharashtra-400076
77.	Nanoengineering of novel Two- dimensional van der Waals heterostructures Novel approaches towards defect-controlled nucleation and domain-aligned growth  DST/SJF/ET/2020/265	Dr.Santanu Das  Indian Institute of Technology-BHU Banaras Hindu University, Varanasi, Uttar Pradesh-221005
78.	Development of novel age-hardened magnesium alloy-based nanocomposites for biodegradable suture applications.  DST/SJF/ET/2020/266	Dr.Sourav Ganguly  CV Raman College of Engineering Bidyanagar, Mahura Janla Bhubaneswar Odisha-752054
79.	Development of Blockchain and Deep Learning Enabled Next Generation Merging Unit for Digital Substations.  DST/SJF/ET/2020/268	Dr.Gurunath Gurralla  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
80.	Medium Voltage Utility-Direct Ultra- Fast Charging Station for Electric Vehicles.  DST/SJF/ET/2020/269	Dr.Kaushik Basu  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
81.	Speech to Speech Translation for Indian Languages - Empowering Rural Voice  DST/SJF/ET/2020/271	Dr.Sri Rama Murty Kodukula  Indian Institute of Technology-Hyderabad Kandi, Sanga Reddy, Hyderabad Telangana-502285
82.	Improved Early Cervical Cancer Screening/ Detection at Pre-Malignant Stage for Ethnic and Non-Ethnic Population of Low Resource Areas like Tripura ..  DST/SJF/ET/2020/273	Dr.Mrinal Kanti Bhowmik  Tripura University Suryamaninagar Tripura-799022

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83.	Conquering Space “ Extra-terrestrial Habitats for Humanity  DST/SJF/ET/2020/274	Prof.Aloke Kumar  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
84.	Towards detecting single photon using atomically sharp junction  DST/SJF/ET/2020/277	Dr.Kausik Majumdar  Indian Institute of Science C. V. Raman Road Bangalore Karnataka-560012
85.	Investigation of Advanced Hydrogen Storage Materials for a Different Application Particularly for Vehicular Transport  DST/SJF/ET/2020/278	Dr.Deo Karan Ram  NIMS University NH-11 C, Jaipur Delhi Highway, Jaipur Rajasthan-303121
86.	Development of ultrasonic array-based techniques for imaging of composite materials with defects  DST/SJF/ET/2020/280	Dr.Gangadharan Raju  Indian Institute of Technology-Hyderabad Kandi, Sanga Reddy, Hyderabad Telangana-502285
87.	Antibacterial, dye degradation and desalination applications in MXene-Fe3O4 Nanocomposite for multipurpose water purification application  DST/SJF/ET/2020/281	Dr.Pratap Kollu  University of Hyderabad Prof. C.R Rao Road Central University Hyderabad P.O.,Hyderabad Telangana-500046
88.	Metallic and composite materials with antiviral properties to counter viral transmission such as COVID-19 transmission  DST/SJF/ET/2020/282	Prof.Dinesh Kalyanasundaram  Indian Institute of Technology-Delhi Hauz Khas, New Delhi Delhi-110016
89.	High-entropy perovskites-based oxides and nanocomposites for thermoelectric power generation from waste heat  DST/SJF/ET/2020/283	Prof.Tanmoy Maiti  Indian Institute of Technology-Kanpur Kanpur Nagar Uttar Pradesh-208016
90.	Development of Sustainable and Safer Polymeric Bag for Blood Storage  DST/SJF/ET/2020/284	Dr.Rupesh Rohan  Indian Rubber Manufacturers Research Association Plot No.- 254/1b, Road No.- 16v, Wagle Industrial Estate, Thane Maharashtra-400604

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91.	Softwarization,Virtualization,Network Slicing and Mobile Cloud Computing powered Next Generation Mobile Core Network- Prototype Design and Development  DST/SJF/ET/2020/285	Dr.Siba Narayan Swain  Indian Institute of Technology-Dharwad, Dharwad Karnataka-580011
92.	Oxy-fuel combustion of pulverized coal towards near-zero CO2 emission from thermal power plants  DST/SJF/ET/2020/289	Dr.Saravanan Balusamy  Indian Institute of Technology-Hyderabad Kandi, Sanga Reddy, Hyderabad Telangana-502285
93.	Secrecy Performance Analysis of Energy Harvesting Communications in Cognitive Radio Networks  DST/SJF/ET/2020/290	Dr.Ajay Singh  Indian Institute of Technology-Jammu Temp. Campus, Opposite Janipur Police Station, Paloura Jammu Jammu and Kashmir-181121
94.	Towards Development of Robust and Sustainable Cellular Lightweight Concrete Structural Systems for Mass Housing using Precast Technology  DST/SJF/ET/2020/294	Dr.Suriya Prakash S  Indian Institute of Technology-Hyderabad Kandi, Sanga Reddy, Hyderabad Telangana-502285