Sponsored and Consultancy Research Projects operated by Faculty members of Physics dept (as on 28.11.2019)

(sorted for Closing Date)

Project No.	Start Date	Closing Date	Principal Investigator	CO-Principal Investigator	Project Title
DST /PHY /2017514	19-03-2018	18-03-2023	Supratik Banerjee		DST Inspire Faculty Grant
SERB /PHY /2019208	20-08-2019	19-08-2022	ZAKIR HOSSAIN		Design Synthesis And Physical Properties Of Topological Materials
DAE /PHY /2019178	29-07-2019	28-07-2022	Arijit Kundu		Surface Properties Of Weyl Semimetals
SERB /PHY /2019125	13-06-2019	12-06-2022	AMIT KUMAR AGARWAL		Physics Of Dirac And Weyl Semimetals
IFCPAR/PHY /2018557	01-06-2019	31-05-2022	MAHENDRA KUMAR VERMA	Supratik Banerjee	Turbulent Flows In Equilibrium
DST /PHY /2019050	24-04-2019	23-04-2022	Anand Kumar Jha		Developing Efficient Method For The Measurement And Characterization Of High-Dimensional Quantum States For Photonic Quantum Information
SERB /PHY /2018555	26-03-2019	25-03-2022	S. ANANTHA RAMAKRISHNA	Amit Verma	Technology Demonstrator Of An Infra-Red Camouflage Screen Based On Large Area Metamaterials
SERB /PHY /2018522	11-03-2019	10-03-2022	Arijit Kundu		Non-Local Quantum Transport, Confinement And Correlation In Weyl Semimetals
MAXPLA/PHY /2018577	01-03-2019	28-02-2022	Diptarka Das		Max-Planck Partner Group Project
DST /PHY /2018444	15-01-2019	14-01-2022	SATYAJIT BANERJEE		Developing A Compact Graphene Based Hall Sensor For Monitoring Steel Structures Under Stress In Advanced Materials
DST /PHY /2018429	14-01-2019	13-01-2022	SOUMIK MUKHOPADHYAY	AMIT KUMAR AGARWAL	Electric Field Controlled Spin Dynamics In Nanomagnets
SERB /PHY /2018267	14-09-2018	13-09-2021	Aditya Hemchandra Kelkar		Construction Of A Combined Recoil Ion Momentum And Electron Energy Spectrometer To Study Collision Induced Excitation And Fragmentation Of Molecules And Clusters
SERB /PHY /2018196	13-06-2018	12-06-2021	Arjun Bagchi		String Theory At Very High Energies
STC /PHY /2018037	16-04-2018	15-04-2021	MAHENDRA KUMAR VERMA	KUMAR VAIBHAV SRIVASTAVA & S. ANANTHA RAMAKRISHNA	Parallel Electro-Magnetic Solver For Microwave, Infrared, And Optical Applications (Mio-Pems)
MISC /PHY /2015420	25-03-2016	24-03-2021	SATYAJIT BANERJEE		Consultancy From Multipleagencies For The Central Cryogenics Facility.
SERB /PHY /2017505	19-03-2018	18-03-2021	Saurabh Mani Tripathi		Optical-Waveguide Sensor For Accurate Detection Of Bio-Contaminant In Drinking Water
MHRD /PHY /2018560	15-03-2019	14-03-2021	Arijit Kundu	AMIT DUTTA	Sparc: Topology, Interaction And Environmental Control Of Quantum Information Processing
MHRD /PHY /2018541	15-03-2019	14-03-2021	PANKAJ JAIN		Sparc:Observation And Phenomenology Of Ultra High Energy Cosmic Ray Neutrinos At Anita, Ara And Arianna And Other Detectors
SERB /PHY /2017504	12-03-2018	11-03-2021	Arjun Bagchi		Holography For Asymptotically Flat Spacetimes
IFCPAR/PHY /2017226	01-01-2018	31-12-2020	ANJAN KUMAR GUPTA		Micro-Squid Magnetometry Of Nano-Scale Magnetic Structures
DST /PHY /2017411	04-12-2017	03-12-2020	VIJAYA Ramarao	ASIMA PRADHAN & Shilpi Gupta	Compact Plasmon-Based Bio-Sensor And Imager
SERB /PHY /2017246	17-11-2017	16-11-2020	TAPOBRATA SARKAR	Arjun Bagchi	Entanglement And Information In Holographic Field Theories
STC /CELP/2017182	01-10-2017	30-09-2020	VIJAYA Ramarao		Gigahertz And Terahertz Antenna On Photonic Crystal Substrate
CSIR /PHY /2017076	23-08-2017	22-08-2020	VIJAYA Ramarao		Chaotic Fibre Laser For Random Event Generation

SERB /PHY /2017206	18-07-2017	17-07-2020	SUDEEP BHATTACHARJEE		Microwave Plasma Generated Low Energy Ion Beams And Their Interaction With Matter For Modification Of Wettability And Optical Properties
MHRD /CELT/16408AC	09-05-2017	08-05-2020	VIJAYA Ramarao		Optical Coatings For High - Reflection And Anti-Reflection Applications
CSIR /PHY /2017108	01-05-2017	30-04-2020	SUDEEP BHATTACHARJEE		Production And Study Of A Plasma Confined By A Dipole Mangnet
BRNS /PHY /2017029	25-04-2017	24-04-2020	SUDEEP BHATTACHARJEE		Low Temperature Atmospheric Pressure Micro-Plasmas: Physics And Applications
BHELH /PHY /2018361	01-11-2018	31-03-2020	KRISHNACHARYA .		Development Of Soft-Coating For Minimization Of Erosion Of Lpst Blades Via Chemical Route
SERB /PHY /2016482	23-03-2017	22-03-2020	PANKAJ JAIN		Large Scale Anisotropy In The Universe
MHRD /CELP/2016408K	27-02-2017	26-02-2020	ASIMA PRADHAN		In Vivo Testing And Up-Gradation Of Prototype Optical Probe For Cervical And Oral Precancer Detection.(Imprint No. 5163)
DST /PHY /2017455	31-01-2018	30-01-2020	HARSHWARDHAN WANARE	S. ANANTHA RAMAKRISHNA	Development Of Optical Vein Visualisation Aid
DST /PHY /2015447	11-05-2016	10-01-2020	SATYAJIT BANERJEE		Developing Prototype Of A Smart Superconducting Fault Current Limiter (Scfclsm) With Three Dimensional Field And Current Mapping Technology For Early Fault And Hot Spot Detection
IGSTC /PHY /2015454	01-01-2016	31-12-2019	Arjun Bagchi		Minkowskian Holography
SERB /PHY /2016348	28-12-2016	27-12-2019	Joydeep Chakrabortty		Probing Beyond Standard Model Physics At The Large Hadron Collider And Future Circular Collider
SERB /CELP/2016347	26-12-2016	25-12-2019	VIJAYA Ramarao		Functional Photonic Crystal Devices