

Indian Institute of Technology Goa

Office of Dean of Research and Development

1. MAJOR RESEARCH INITIATIVES

EMR PROJECTS (SPONSORED PROJECTS)						
SL No	Name of the Faculty	Sponsoring Agency	Name of the Project	Date of Commencement	Project Duration	Total Sanctioned Amount
1	Prof. Sachin Kore	DAE BRNS	Feasibility studies and optimization of EM pulse Welding of Tubes for Nuclear Reactor Application	06-04-2017	3 Years	Rs. 13812229
2	Dr. Sheron Figarado	SERB	A harmonic elimination scheme with reduced switching losses for a 3-phase open-end winding Induction machine using only conventional two level inverters in the entire modulation range	27-07-2017	3 Years	Rs. 2821500
3	Dr. Sreejith AV	MoES	Development of remote sensing-based method for the rapid reconstruction of time series of formative water discharges of the Ganga & Brahmaputra rivers in the Himalayan Foreland	31-10-2017	2 Years	Rs. 3827000
4	Dr. Bidyadhar Subudhi	Department of Science & Technology(DST)	Development Of Control And Power Electronics Schemes For A Smart Micro Grid With High Penetration Of PV Generation And Electric Vehicles	28-06-2019	2 Years	Rs. 3497840
5	Dr. Sharad Sinha	DST INRIA	Design Automation For Intelligent Vision Hardware In Cyber Physical Systems	27-09-2019	3 Years	Rs. 3210084
6	Dr. Raja Mitra	SERB	Electrochemical Reduction Of CO2 Using A Mechanically Interlocked Molecule(MIM) As Catalyst	11-10-2019	2 Years	Rs. 2706000
7	Dr. Sasidhar Sampathirao	National Institute of Wind Energy	Direct Drive And Grid Integration Of Wind Turbines	18-10-2019	3 Years	Rs. 3910800

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8	Dr. Rishikesh Narayan	SERB	Cationic 4(Pi)-Electrocyclization Cascade For The Expedient Synthesis Of Biologically Relevant Pyrrolidine Derivatives With Multiple Stereogenic Centers	30-10-2019	2 Years	Rs. 2645000
9	Dr. Arindam Das	SERB	Experimental Investigation On Stability Of Impregnated Fluid Phase At Complex Multiphase Interface Of Fluid Impregnated Surface	26-11-2019	2 Years	Rs. 3089730
10	Dr.Ashish Bhateja	SERB	Kinematics And Rheology Of Granular Flow In Multi-Outlet Silo	26-11-2019	2 Years	Rs. 3214110
11	Dr. Anirudha D Ambekar	SERB	Technology Development For 3D Printing Solid Rocket Propellants And Their Green Alternatives	31-12-2019	2 Years	Rs. 2844770
12	Dr.Bidyadhar Subudhi	SERB	A Smart Bidirectional Electric Vehicle Charging System Connected To PV Integrated Micro Grid	07-02-2020	3 Years	Rs. 4577760
13	Dr.Sachin D Kore	DST Science for Equity Empowerment and Development Division	Scaling Up Of Technology Developed For Manually Operated Equipment For Bamboo Stripes Manufacturing.	19-02-2020	2 Years	Rs. 4385975
14	Dr.Sharad Sinha & Dr.Clint P.George	DG, BPR&D	THE SENTNEL-Active Intelligent Agent For Actionable Intelligence On Cybercrime Control And Prevention.	11-03-2020	1 Years	Rs. 3639060
15	Dr. Ashish Bateja	DST- SERB	Coupling Of Particle Based DEM And DSMC Techniques For Understanding Dusty Gas Flow Dynamics	13-03-2020	3years	Rs. 3335152
16	Dr. Santosh Kumar	DST- Nano Mission	Atomically Thin Photonic Devices As Hosts Of Single- Photons And Entangled Photon Pair Emitters And Single Spins For Quantum Sciences And Technologies	02-11-2020	5 Years	Rs. 21450000
17	Dr. Sharad Sinha	NSM	Nodal Center for Training in HPC and AI	06-11-2020	2 Years	Rs. 2992000
Total						Rs.85959010