

Sponsored research project sanctioned during the financial year 2017-18

Sr. No.	Title of the Project	Name of Coordinator	Sponsoring agency	Duration	Project Cost
1	Synthesis and Characterization of semiconductor/oxide materials for cost-effective perovskite solar cells modules	Dr Jignasa V Gohel	SERB	3 Years	16,32,000
2	Combustor Technology Development for small Gas Turbine / Turbo fan Engine	Dr S A Channiwal	DRDO - CoPT	2 Years	1,74,32,000
3	Development of Novel Cluster Assembled Material from Potential Cluster Motifs: A new Insight under density Functional Investigation	Dr Debesh Ranjan Roy	SERB	3 Years	27,69,594
4	Preparation of State of Art Report (SOAR) on Preparation of Constriction Safety Manual	Dr Dilip Patel	MROTH	6 Months+ up to Expandable	8,36,900
5	Design of Green Synthetic Approaches for Automatically Precise Nanoclusters and their specific Interactions: Development of Miniaturised Analytical Method	Dr Suresh Kumar Kailasa Prof. Z. V. P. Murty	SERB	3 Years	35,04,655
6	SIRMI Strengthening IRNSS receiver by mitigation of Interface	Dr Upena Dalal Dr. Shweta N Shah)	ISRO	2 Years	31,21,000
7	Study of Slurry Erosion Behaviour of Highly Entropy Alloy Coating	Dr. Jyoti V. Meghani	SERB	2 years	27,72,000
8	Environmentally Safe Disposal of Refinery Sludge via Catalytic Conversion to Value-added Hydrocarbons	Dr P A Parikh	DST	1 year	6,71,000
9	Investigations on a Novel Stacked Minichannel Heat Sink Using Efficient Coolants	Dr H B Mehta	SERB	3 Years	24,47,500
10	Microstructural aggregates in the task-specific Biodegradable Surface active "Greener" "Ionics Liquids (CRS-M276)	Dr Naved Malek	UCG-DAE-CSR	1 Year Ext up to 3 Years	4,05,000
11	Aggregation of amphiphilic copolymers in deep eutectic solvent-water mixed system (CRS-M234)	Dr Ketan Kuperkar	UCG-DAE-CSR	1 Year Ext up to 3 Years	4,05,000
12	" Young Faculty Research Fellowship	Dr Piyush N Patel	DIC – Visvesvaraya	2-Year Ext up to 5 Years	14,80,000

13	Design, Development, and Demonstration of an Aerodynamically Advanced Un-manned Air Vehicle for Stealth and Heavy Payload Application	Dr S A Channiwala Dr. Beena D. Baloni Dr. A A Shaikh Dr. Mukesh A. Zaveri Mr. Janak J Patel	Principal scientific Adviser to the Govt. of India (PSA)	18 Months	5,93,95,500
14	IT Indian Heritage Platform Enhancing Cultural Resilience in India by Applying Digital Technologies to the Indian Tangible and Intangible Heritage	Dr D A Patel	Indian Council of Historical Research	2 years	10,00,000
15	Impact of Climate change on water resources of Sabarmati Basin	Dr.Vimal Mishra, IIT Gandhinagar Dr.P L Patel	Ministry of Water Resources, RD & GR	3 Years	84,91,560
16	The near future air cathode Osmotic microbial fuel cell (OMFC) for wastewater treatment, electricity generation, and pure water extraction	Dr.Alka A Mungray	SERB,DST	3 years	28,46,000
17	Polydopamine-based Nanoparticles with Antimicrobial and antigenic properties for water disinfection and remediation	Dr.Rajendra Kumar	SERB,DST	3 years	44,30,000