

RESEARCH AND DEVELOPMENT
GOVERNMENT FUNDED PROJECTS CARRIED OUT BY THE COLLEGE

SL.No	Project Title	Project Duration	Grant in Aid (In Rupees)	Funding Agency	Status (Completed/ In progress)	Sanction Number and Date	Faculty involved / Department
1.	Development of novel 2D organic and inorganic hybrid halide perovskite materials for efficient photovoltaic applications	2022-24	18,30,000	DST TARE	In progress	TAR/2021/000084, Dated 07.01.2022	Dr. N. Sivakumar Physics Department
2.	Investigation of novel ABC ternary poly crystalline materials for microwave dielectric applications	2022-23	1,35,000	UGC-DAE-CSR	In progress	CRS/2021-22/04/627, Dated 24.06.2022	Dr. N. Sivakumar Physics Department
3.	Design and development of energy efficient PFC circuit for onboard E vehicle charger using interleaved DC-DC SPEIC converter	2021-24	26,45,500	DST-SERB	In progress	SPG/2021/000129-G, Dated 29.09.2021	Dr.C.Komathi Dr.Durga Devi EI Department
4.	Design and development double helical , double helix hydro-kinetic water turbine	2021-23	18,30,000	DST TARE	In progress	TAR/2020/000276, Dated 15.12.2020	Mr.S.Ganapathy Mechanical Engineering
5.	Dynamic analysis of Electric Bus	2021-23	18,30,000	DST TARE	In progress	TAR/2020/000297, Dated 18.11.2020	Mr.P.Anbarasu Mechanical Engineering
6.	Comparative Study of Image Processing techniques for measuring In-situ Bow of FBR fuel subassembly.	2019-22	24,48,650	Department of Atomic Energy (DAE) /BRNS	In progress	53/14/04/2019-BRNS/36270, Dated 20.12.2019	Dr.Sumathi.S Dr.S.Swaminathan ECE Department

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7.	Design ,Development and Demonstration of vertical axis free flow helical clustered water turbine	2019-20	8,16,384	Department of Science and Technology (DST) (SSTC)	In progress	DST/SSTP/2018/35(C), Dated 31.03.2019	Dr. R.Ashok Gandhi Mr. V.Pandayaraj Mr. A.Ravinthiran Mr.S.K.Dinesh Kumar Mechanical Engineering
8.	Development of a green Energy farm by designing and developing Shrouded Hydrofoil Horizontal Axis Hydro – Kinetic water turbine.	2015-18	33,69,000	Department of Science and Technology (DST) (TSDP)	In progress	DST/TSG/NTS/2013/89, Dated 22.07.2015	Dr. A. Rajendra Prasad Mr. N. Vasudevan Mechanical Engineering
9.	Study of durability and microstructure of ambient cured geo polymer concrete using scrap steel slag as coarse aggregate	October 22 to October 25	18,30,000	DST SERB TARE	In Progress	DST / SERB/TAR /2022/000141	Dr.N.Suganya Civil Engineering Department
10.	Campus Modernization through Radio Frequency (RF) and Photonics	2021-26	1,45,71,460	DST FIST 0 level	Yet to receive funds	SR/FST/college-/2021/1093	Dr. Baskaran M Dr. Rene Robin C R Dr. Latha B Dr. Arunarasl J, Dr.S.Sankari
11.	Development of appropriate rural sanitation with reference to sludge treatment	2015-18	12,99,240	MoDWS Swachh Bharat	Completed	--	Dr. A. Abdul Rahman Dr. A. Rajendra Prasad Mechanical Engineering

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12.	Personality enhancement endeavour through soft skills	2019-23	11,47,891	SPDC-AICTE	In progress	65-07/IDC/SPDC/POLICY-1/2019-20, Dated 18.03.2020	Dr.M.Suresh Anand ECE Department
13.	An AI enabled portable public Screening health care system.	2021-24	18,17,571	AICTE RPS	In progress	8-61/FDC/RPS/POLICY-1/2021-22, Dated 18.02.2022	Dr.E.Priya Dr.J.Thamilselvi ECE Department
14.	Up gradation of Communication System Laboratory to advanced system laboratory	2021-23	12,86,275	MODROBS	In progress	9-163/IDC/MODROB/Policy-1/2019-20, Dated 20.07.2020	Dr.M.Kanthimathi ECE Department
15.	Scheme to improve the quality parameters of mentee institutions.	2019-22	30,00,000	Margadarshan AICTE	In progress	--	Dr.B.Vijayaramnath Mechanical Engineering
16.	Study on the Influence of Cryogenic treatment on Aluminium alloys and its composites during solidification and after solidification in material property modification suitable for aerospace applications	2015-18	12,94,118	Research Promotion Scheme AICTE	Completed	8-202/RIFD/RPS/POLICY-1/2014-2015, Dated 03.03.2015	Dr. A. Rajendra Prasad Mr. N. Vasudevan Mechanical Engineering

