

**Sponsored Project details during last five years (INR In lakhs)
(Government and Non Government Project)**

S.No	Name of the Project	Name of the PI	Name of Funding Agency	Type (Government/Non-Government)	Department of PI	Year of Award	Funds Provided (In Lakhs)	Duration of the project
1	Automation of Climate Control inside a naturally ventilated polyhouse (GREEN HOUSE)	Kannan Ganapathi	TN-EDII AGRIT GREENHOUSE SOULTION PVT LTD	Government	ECE	2019	10.00	2019-20
2	Health and Sanitation of Wheels	Ravi Senji	TN-EDII RaVikas	Government	Life Sciences	2019	2.15	2019-20
3	A smart intravenous dripper System for centralized monitoring and automatic control of intravenous fluid.	Rathakrisnan Jothiram	TN-EDII Rekindle Automations Pvt Ltd	Government	IT	2019	10.00	2019-20
4	Development of Hybrid Rocket Motor	PI – Dr.P.N.Kadiresh CO-PI – Sri Nithya Mahottmannada	DRDO	Government	Aeronautical Engineering	2019	9.83	2017-20
5	Fault diagnosis on single stage helical planetary gearbox using machine learning algorithms	Aquib Yousuf Aravind.V.K Aravinda Krishnan.A Farhanuddin.S.M. Syed Shaul Hameed	Tamilnadu State Council For Science And Technology	Government	Mechanical Engineering	2019	0.08	2019-20
6	Bio Incubator Grant (Bio Nest)	Dr.S.Hemalatha	BIRAC, DBT, Govt of India	Government	Life Sciences	2018	180.00	2018-21
7	Phycoremediation of CO2 Level in sub urban area via CO2 Sequestration by native microalgae : an eco friendly approach	Dr D Mubarak Ali M Santhosh Kumar A Aravindh	Tamilnadu State Council For Science And Technology	Government	Life Sciences	2019	0.08	2019-20
8	Understanding the metabolic compartmentalization of Cancers cells and cancer associated fibroblasts	Dr. Amrita Roy SLS	DST-SERB	Government	Life Sciences	2019	34.41	2017-20

9	Antibacterial activity of trithila and acacia arapica on dental cary forming micros	Dr. Karthikeyan Ramalingam	AYUSH-EMR	Government	Life Sciences	2018	3.30	2018
10	Abbreviation of gold catalysts for synthesis biooptive hetro cycle and natural product minic	Dr.K.Karthikeyan	CSIR-SRF	Government	Chemistry	2018	4.32	2018-2020
11	Corrosion protection and service life extension of reinforced concrete roofing systems in existing buildings	Ms.Roopa	DST,SERB,TARE	Government	Civil Engineering	2018	5.00	2018 - 2021
12	Endophytic diversity of herbal plant Hibiscus	Dr.Wasima. M	DBT	Government	Life Sciences	2018	8.00	2018
13	Evaluation of Sacrificial anode/ cathodic prevention/ Protection (SACP) systems for various types of concrete systems	Dr. M.S. Haji Shiek Mohammed	Industry Project	Government	Civil Engineering	2018	25.26	2018-2021
14	Light induced process of Hierarchical electron cascade system, Materials and Devices for Solar energy conversion	Dr. AshaJhonsi Mariadoss	DST,SERB,TARE	Government	Chemistry	2018	16.80	2018-2021
15	Structural Behaviour of Corroding Prestressed Concrete Systems and Extension of Service Life using Cathodic Protection	Dr. M.S. Haji Shiek Mohammed	Extra Mural research Funding	Government	Civil Engineering	2018	49.50	2018
16	Development of Graphene and Metal Nanoparticles Reinforced Flexible Polymer nanocomposites for Effective Electromagnetic Interference (EMI) Shielding Applications	Dr. M. Basheer Ahamed	DST-SERB	Government	Physics	2017	28.01	2017-2020
17	Synthesis and characterization of function zed 123 dipole through azide olefin 3+2 cycloid addiction	Dr.K.Karthikeyan	CSIR-SRF	Government	Chemistry	2017	3.24	2017
18	Construction of optical logic gates using soliton collisions and study of electrical solitons in nonlinear transmission lines	Dr. M. Vijaya jayanthi	DST-SERB	Government	Physics	2016	32.44	2016-19
19	Antimicrobial Efficacy and Mechanisms of Whole Plant Extract of Acacia Arabica with Triphala on Biofilm Forming Cariogenic Microorganisms	Dr. Karthikeyan Ramalingam	AYUSH-EMR	Government	Life Sciences	2016	33.00	2016-19

20	Synthesis of antimicrobial nanoemulsions for the treatment of multi-drug resistant ESKAPE pathogens	Dr. Karthikeyan Ramalingam	DST-SERB	Government	Life Sciences	2016	23.28	2016-19
21	Tamil Plagiarism Checker	Dr. Shriram	TVA	Government	CSE	2016	2.15	2016-2018
22	Tamil Tholkappiam	Dr. Shriram	CICT	Government	CSE	2016	2.50	2016-2018
23	gpX1 gene polymorphisms and mitochondrial ROS signaling in cancer risk	Dr. Soumen Bera	DST-SERB	Government	Life Sciences	2015	4.00	2016-19
24	Identifying the molecular basis of peroxidase activity of Peroxiredoxin 6 - An approach for designing Antioxidant Peptides and Inhibitors	Dr. Md Khurshid Alam Khan	ICMR	Government	Life Sciences	2015	14.30	2015-18
25	Antioxidant gene polymorphisms and mitochondrial raw signaling in cancer risk	Dr. SoumenBera	DBT	Government	Life Sciences	2015	24.75	2015-18
26	A software defined network model for ensuring ene to end security IOT	Dr. S.Revathi	UGC	Government	CA	2015	6.18	2015
27	A novel access to indolizidines and quinolizidine alkaloids through stereoselective N-tethered intramolecular cyclopropanation of pyridine	Dr. J. Elangovan, Assistant Professor,	DST-SERB	Government	Chemistry	2015	48.70	2015
28	Non- Life insurance sector in India	Dr. S.Rajasekar	UGC	Government	Mathematics and Actuarial Science	2015	12.36	2015
29	Pattern Detection in Data stream	Dr.W.Aisha Banu	UGC	Government	CSE	2015	12.90	2015
30	Protein Biochemistry and Biophysics	Dr.Khurshid Alam Khan	DST	Government	Life Sciences	2015	2.88	2015

31	Synthesis of new visible light graphing based photocatalyst for organic transformation	Dr.Noor Ameen	UGC	Government	Chemistry	2015	12.00	2015
32	To study the effect of diagnosis and ortholight on protein estability in renal disfunction	Dr. Shazia Jamal	DST	Government	Life Sciences	2014	13.60	2014
33	Development of Oil Absorbing Polymer Product for Efficient Removal of Oil Spills in Sea water	Dr. R. Vasanthakumari	DRDO-DNRD	Government	Polymer Nanotechnology	2014	20.04	2014-2016
34	Synthesis, characterization and optimization of QDs on TiO2 surface for quantum dot solar cells	Dr. M. Asha Jhonsi	INSA INSPIRE	Government	Chemistry	2014	19.76	2014-17
35	Immunosuppressive cells within inflammatory Tumor Microenvironment	Dr. Neesar Ahmed	DST - SERB	Government	Life Sciences	2014	22.66	2014-18
36	Synthesis of Novel Low Band Gap Polymer Materials for Solar Cell Applications	Dr. Vajjiravel Murugesan	SERB	Government	Chemistry	2014	23.78	2014-17
37	Development of Graphene SrTiO3 based hybrid photocatalytic system for the production of solar fuels	Dr. Noor Aman Ahrar Mundari	DST-SERB	Government	Chemistry	2014	24.98	2014-17
38	Authentication using face regocization	Dr. M.Munir Ahamed Rabbani	UGC	Government	IT	2014	2.18	2014
39	Applications of Gold Catalysis For The Synthesis Of Bioactive Heterocyclic And Natural Product Mimic	Dr. K.Karthikeyan	DST	Government	Chemistry	2014	19.66	2014-17
40	he effect of A, on TiAlN, CrAlN and ZrAlN coating using RF powered magnetron sputtering	Dr. S. Beer Mohamed	UGC	Government	Mechanical Engineering	2014	3.19	2014-18
41	Seismic performance of FRP confined concrete filled steel tubular columns	Dr. P. Gajalakshmi	MOES	Government	Civil Engineering	2014	29.10	2014-17

42	Finance Management	Dr.Shanmugam	UGC	Government	Department of Management Studies	2014	2.18	2014
43	Automatic Power and Performance Management of Virtualised Data Centres	Dr. R. Shriram	Computer Society of India	Government	CSE	2014	0.25	2014
44	Bismuth titanite quantum photo voltage application	Ms. Saai Harini	DST/WOS-A (Women Scientist)	Government	Chemistry	2014	18.14	2014
45	Content Based Information Retrieval for Tamil	Dr. R. Shriram	Tamil Virtual Academy	Government	CSE	2014	2.94	2014
46	Palladium catalysed Buchwald Hartwig coupling of 2-C hydroxymethyl D glycols and aryl halides : Synthesis of functionalized C – Aryl Glycosides	Dr. Baghavathy	DST	Government	Chemistry	2014	42.60	2014
47	Wear behavior of duplex coated steels	Dr.R.Rajendran	UGC	Government	Mechanical Engineering	2014	5.37	2014
48	Investigation of multirate properties of rare earth and transition metal doped bismuth for functional applications	Dr. Shameem banu	DST	Government	Physics	2014	35.55	2014
49	Optimal control of multi input and output process using swarm intelligent	Dr.Sabura Banu	UGC	Government	EIE	2014	17.64	2014
50	Social Web Mining	Dr.W.Aisha Banu	UGC	Government	CSE	2014	15.90	2014
51	Synthesis and characterization of multiferroite nano composite for functional applications	Dr. Shameem banu	DST/WOS-A (Women Scientist)	Government	Physics	2014	26.19	2014
52	Understanding the molecular mechanism that regulate inflammation & tumor progression	Dr.Neesar Ahmed	UGC	Government	Life Sciences	2014	12.54	2014

53	A non enzymatic enantioselective design in the witting reactions and its application in the total synthesis of caprolactnes-potential anti-neoplastic agents of marine origin	Dr. S. Mahasampath Gowri	DST-(WOS-A)	Government	Chemistry	2013	2.05	2013-16
54	Preparation of rare-earth doped molybdate nanostructures using soft chemical route for optp electronic applications	Dr. J. Thirumalai	DST-SERB	Government	Physics	2013	23.20	2013-16
55	Investigation of chaotic and strange nonchaotic phenomena in coupled nonlinear circuits and systems	Prof. I Raja Mohamed	DBT-SERB	Government	Physics	2013	32.46	2013-18
56	Patient monitoring System for Scheizophrenia Research Foundation (SCARF) organization	Dr.C.Tharini	Jasmin Infotech	Non-Government	ECE	2019	0.70	2019-20
57	Demo vehicle for mechanical / automobile engineering students for educational and demo purpose	Dr. Ashok Ghosh	Hyundai motor india foundation	Non-Government	Mech / Auto	2019	7.92	NA
58	Prof. S. Peer Mohamed Endowment Fund	NA	Prof. S. Peer Mohamed Endowment Fund	Non-Government	NA	2019	1.27	NA
59	Dr. Raja Sir Muthiah of Chettinadu Endowment Fund	NA	Dr. Raja Sir Muthiah of Chettinadu	Non-Government	NA	2019	0.3	NA
60	Evaluation of sacrificial anode cathodic protection (SACP) system for reinforced concentrate applications	Prof. Haji Sheik Mohammed	Radhe Structorepair Pvt Ltd.,	Non-Government	Civil Engineering	2018	25.26	2018-19
61	ROBOLAB-4.0 engineering students for educational and skill purpose	Dr. Razhul Mohameed	Prag Robotics Pvt Ltd	Non-Government	Mech / Auto	2018	120.00	NA
62	Demo vehicle for mechanical / automobile engineering students for study and training purpose	Dr. Ashok Ghosh	Ford Inid pvt ltd	Non-Government	Mech / Auto	2018	14.97	Nil
63	Mira crab STP-1m3 Capacity advanced janpaneese waste water technology	T. Harinarayana	Kankyo Cleantech (I) pvt ltd	Non-Government	ESPAC	2018		NA

64	Vermi filter 1m3 capacity vermi operated STP	T. Harinarayana	Kankyo Cleantech (I) pvt ltd	Non-Government	ESPAC	2018	20.00	NA
65	Biobox Biogas 50 kg capacity containarised bio gass technology.	T. Harinarayana	Kankyo Cleantech (I) pvt ltd	Non-Government	ESPAC	2018		NA
66	Piro packer 25 kg capacity plastic pirolysis unit	T. Harinarayana	Kankyo Cleantech (I) pvt ltd	Non-Government	ESPAC	2018		NA
67	Dr. Raja Sir Muthiah of Chettinadu Endowment Fund	NA	Dr. Raja Sir Muthiah of Chettinadu	Non-Government	NA	2018	0.3	NA
68	Prof. S. Peer Mohamed Endowment Fund	NA	Prof. S. Peer Mohamed Endowment Fund	Non-Government	NA	2018	0.6	NA
69	Dr. Raja Sir Muthiah of Chettinadu Endowment Fund	NA	Dr. Raja Sir Muthiah of Chettinadu	Non-Government	CI & MS	2017	5.0	NA
70	Dr. Raja Sir Muthiah of Chettinadu Endowment Fund	NA	Dr. Raja Sir Muthiah of Chettinadu	Non-Government	NA	2017	0.44	NA
71	Prof. S. Peer Mohamed Endowment Fund	NA	Prof. S. Peer Mohamed Endowment Fund	Non-Government	NA	2017	1.46	NA
72	Dr. Raja Sir Muthiah of Chettinadu Endowment Fund	NA	Dr. Raja Sir Muthiah of Chettinadu	Non-Government	NA	2016	0.56	NA
73	Prof. S. Peer Mohamed Endowment Fund	NA	Prof. S. Peer Mohamed Endowment Fund	Non-Government	NA	2016	1.28	NA
74	Prof. S. Peer Mohamed Endowment Fund	NA	Prof. S. Peer Mohamed Endowment Fund	Non-Government	CI & MS	2015	5.03	NA

75	Dr. Raja Sir Muthiah of Chettinadu Endowment Fund	NA	Dr. Raja Sir Muthiah of Chettinadu	Non-Government	NA	2015	0.42	NA
76	Prof. S. Peer Mohamed Endowment Fund	NA	Prof. S. Peer Mohamed Endowment Fund	Non-Government	NA	2015	1.29	NA
77	Prof. S. Peer Mohamed Endowment Fund	NA	Prof. S. Peer Mohamed Endowment Fund	Non-Government	CI & MS	2013	4.37	NA
TOTAL							1248.54	