

Number of research projects per teacher funded by government and non-government agencies during the last five years (5)

S.no	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator / Co Investigator	Name of Funding Agency	Type (Government/Non-Government)	Department of Principal Investigator / Co Investigator	Year of Award	Funds Provided (In Lakhs)	Duration of the project
1	Bio Incubator Grant (Bio Nest)	Dr. M. Parvez Alam & Dr.S.Hemalatha	Biotechnology Industry Reseach Assistance Council (BIRAC)	Government	CIIC & Life Sciences	2018-19	240.00	3 Years
2	Supply, Erection, Installation, Commissioning, Operation and Manitenance of Co-Digestion plant for Organic Fraction of Leftover Food waste, Vegetable peels and Fruit peels for Biogas generation from Hotel industry on Turnkey basis - Biogas Plant	Dr. T. Harinarayana	CSIR-Central Leather Research Insitute funded by Department of Science and Technology (CLRI & DST)	Government	Mechanical Engineering	2018-19	21.70	1 Year
3	Formulating antibiotic resistance breakers to control multidrug resistant pathogenic bacteria	Dr. S. Hemalatha & Mrs. Ranjai	Department of Biotechnology (DBT)	Government	Life Sciences	2018-19	30.34	3 Years
4	"Synthesis and Characterization of ZrO ₂ Dispersed Ti, Ti-6Al-4V, Ti-6Al-5V, Ti-6Al-7Nb composite"	Dr. Karunanithi	Science and Engineering Research Board (SERB)	Government	Aerospace Engineering	2018-19	18.30	3 Years
5	Deasign of Antennas for 5G Applications	Ms.Sivashanmuga Valli	Science and Engineering Research Board (SERB)	Government	Electronics and Communication Engineering	2018-19	18.30	3 Years
6	Light induced process of Hierarchical electron cascade system, Materials and Devices for Solar energy conversion	Dr. Asha Jhonsi Mariadoss	Science and Engineering Research Board (SERB)	Government	Chemistry	2018-19	18.30	3 Years
7	Mechanistic anti-tumour activity of vernodaline isolated from centratherum anthelminticum on colorectal cancel cells	Dr. P. Ashok Kumar	Science and Engineering Research Board (SERB)	Government	Life Sciences	2018-19	18.30	3 Years
8	Cellular Automata Models for Propagation of Tsunami Waves	Dr. E.Syed Mohamed	Science and Engineering Research Board (SERB)	Government	Computer Science and Engineering	2018-19	12.48	3 Years
9	Triazole based New Functional Chromophores for optoelectronics and Biological Application	Dr. K. Karthikeyan	Tamil Nadu State Council for Science and Technology (TNSCST)	Government	Chemistry	2018-19	3.2	2 Years
10	An emprical Inverstigation of Minimum suoport price on Agriculture Commodities	Dr. Mohd. Amir & Dr. Afzalur Rahman	Tamil Nadu State Council for Science and Technology (TNSCST)	Government	Commerce	2018-19	1.80	1 Year
11	Training program on "Automotive Embedded System"	Dr.C.Tharini	M/s. Jasmin Infotech	Non Government	Electronics and Communication Engineering	2018-19	40.00	3 Years
12	Automation of Climate Control inside a naturally ventilated polyhouse (GREEN HOUSE)	Dr. M. Parvez Alam & Mr. Kannan Ganapathi	Government of Tamilnadu, Entrepreneurship Development and Innovation Institute (TN-EDII)	Government	Management Studies	2018-19	10.00	1 Year
13	A smart intravenous dripper System for centralized monitoring and automatic control of intravenous fluid.	Dr. M. Parvez Alam & Mr.Radhakrisnan Jothiram	Government of Tamilnadu, Entrepreneurship Development and Innovation Institute (TN-EDII)	Government	Management Studies	2018-19	10.00	1 Year

14	Health and Sanitation of Wheels	Dr. M. Parvez Alam & Mr. Ravi Senji	Government of Tamilnadu, Entrepreneurship Development and Innovation Institute (TN-EDII)	Government	Management Studies	2018-19	2.15	1 Year
15	End to End Water Management Solution	Dr. M. Parvez Alam & Mr. Mohideen	Government of Tamilnadu, Entrepreneurship Development and Innovation Institute (TN-EDII)	Government	Management Studies	2018-19	2.00	1 Year
16	Islets Cells Transplantation	Dr. M. Parvez Alam & Dr. Nithya Kalyani	Government of Tamilnadu, Entrepreneurship Development and Innovation Institute (TN-EDII)	Government	Management Studies	2018-19	5.00	1 Year
17	Development of Hybrid Rocket Motor	PI – Dr.P.N.Kadiresh CO-PI – Sri Nithya Mahottmannada	Aeronautics Research & Development Board (AR&DB), (DRDO)	Government	Aerospace Engineering	2017-18	9.79	3 Years
18	Prof. S. Peer Mohamed Endowment Fund	Mr. Hamanulla N	Prof. S. Peer Mohamed Endowment Fund	Non Government	Physical Education	2018-19	1.27	1 Year
19	Patient monitoring System for Scheizophrenia Research Foundation (SCARF) organization	Dr.C.Tharini	M/s.Jasmin Infotech	Non Government	Electronics and Communication Engineering	2018-19	0.70	1 Year
20	Dr. Raja Sir Muthiah Chettiar of Chettinad Endowment Fund	Mr.T. Velmurugan	Dr. Raja Sir Muthiah of Chettinadu	Non Government	Physical Education	2017-18	0.3	1 Year
21	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 (TNSCST)	Government	Mechanical Engineering	2018-19	0.08	1 Year
22	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 (TNSCST)	Government	Life Sciences	2018-19	0.08	1 Year
23	ROBOLAB-4.0 engineering students for educational and skill purpose	Dr. S. Rasool Mohideen	M/s.Prag Robotics Pvt Ltd	Non Government	Mechanical Engineering	2018-19	120.00	3 Years
24	Structural Behaviour of Corroding Prestressed Concrete Systems and Extension of Service Life using Cathodic Protection (In Collaboration with IIT, Madras)	Dr. M.S. Haji Sheik Mohammed (Co PI)	Science and Engineering Research Board (SERB)	Government	Civil Engineering	2017-18	49.50	3 Years
25	Mira crab STP-1m3 Capacity advanced japanese waste water technology	T. Harinarayana	M/s.Kankyo Cleantech (I) Pvt Ltd	Non Government	Civil Engineering	2017-18	20.00	3 Years
26	Vermi filter 1m3 capacity vermi operated STP	T. Harinarayana	M/s.Kankyo Cleantech (I) Pvt Ltd	Non Government	Civil Engineering	2017-18		3 Years
27	Biobox Biogas 50 kg capacity containarised bio gas technology.	T. Harinarayana	M/s.Kankyo Cleantech (I) Pvt Ltd	Non Government	Chemistry	2017-18		3 Years
28	Piro cracker 25 kg capacity plastic pirolisis unit	T. Harinarayana	M/s.Kankyo Cleantech (I) Pvt Ltd	Non Government	Physics	2017-18		3 Years
29	Antimicrobial Efficacy and Mechanisms of Whole Plant Extract of Acacia Arabica with Triphala on Biofilm Forming Cariogenic Microorganisms	Dr. Karthikeyan Ramalingam	The Ministry of Ayurveda, Yoga & Naturopathy, Unani, Siddha, Sowa Rigpa and Homoeopathy (AYUSH-EMR)	Government	Life Sciences	2017-18	33.00	3 Years
30	Synthesis of antimicrobial nanoemulsions for the treatment of multi-drug resistant ESKAPE pathogens	Dr. Karthikeyan Ramalingam	Science and Engineering Research Board (SERB)	Government	Life Sciences	2017-18	23.28	3 Years
31	Demo vehicle for mechanical / automobile engineering students for study and training purpose	Dr. Ashok Ghosh	M/s. Ford India Pvt. Ltd.	Non Government	Automobile Engineering	2018-19	14.97	Nil
32	Development of 17 hp Tractor for Indian Environment	Dr. R. Rajendran	M/s. SAEINDIA Pvt. Ltd.	Non Government	Mechanical Engineering	2018-19	4.00	Nil

33	Development of hybrid nano based BLDC motor and validation of the design by using VLSI technology	Dr. K. Boopathy	Defence Research and Development organisation (DRDO)	Government	Electrical and Electronics Engineering	2017-18	9.79	2 Years
34	Corrosion protection and service life extension of reinforced concrete roofing systems in existing buildings	Ms.Roopa	Science and Engineering Research Board (SERB)	Government	Civil Engineering	2017-18	18.30	3 Years
35	Endophytic diversity of herbal plant Hibiscus	Dr.Wasima. M	Department of Biotechnology (DBT)	Government	Life Sciences	2017-18	8.00	1 Year
36	Tamil Tholkappiam	Dr. Shiram	Tamil Virtual Academy (TVA)	Government	Computer Science and Engineering	2017-18	2.50	1 Year
37	Tamil Plagiarism Checker	Dr. Shiram	Central Institute of Classical Tamil (CICT)	Government	Computer Science and Engineering	2017-18	2.15	1 Year
38	Velayutham mudaliar scheme Endowment Fund	Dr. Raja Prabu	Velayutham mudaliar scheme Endowment Fund	Non Government	Electrical and Electronics Engineering	2018-19	1.00	1 Year
39	Prof. S. Peer Mohamed Endowment Fund	Dr . R. Auvai	Prof. S. Peer Mohamed Endowment Fund	Non Government	Physical Education	2017-18	0.6	1 Year
40	Dr. Raja Sir Muthiah Chettiar of Chettinad Endowment Fund	Mr.T. Velmurugan	Dr. Raja Sir Muthiah of Chettinadu	Non Government	Physical Education	2017-18	0.3	1 Year
41	A novel access to indolizidines and quinolizidine alkaloids through stereoselective N-tethered intramolecular cyclopropanation of pyridine	Dr. J. Elangovan	Deptatment of Science and Technology (DST-SERB)	Government	Chemistry	2016-17	48.70	3 Years
42	Construction of optical logic gates using soliton collisions and study of electrical solitons in nonlinear transmission lines	Dr. M. Vijaya jayanthi	Science and Engineering Research Board (SERB)	Government	Physics	2016-17	32.44	3 Years
43	Development of Graphene and Metal Nanoparticles Reinforced Flexible Polymer nanocomposites for Effective Electromagnetic Interference (EMI) Shielding Applications	Dr. M. Basheer Ahamed	Science and Engineering Research Board (SERB)	Government	Physics	2016-17	28.01	3 Years
44	Immunosuppressive cells within inflammatory Tumor Microenvironment	Dr. Neesar Ahmed	Science and Engineering Research Board (SERB)	Government	Life Sciences	2016-17	25.00	3 Years
45	Antioxidant gene polymorphisms and ROS in cancer risk	Dr. Soumen Bera	Department of Biotechnology (DBT)	Government	Life Sciences	2016-17	24.75	3 Years
46	Demo vehicle for mechanical / automobile engineering students for educational and demo purpose	Dr. Ashok Ghosh	M/s. Hyundai motor india foundation	Non Government	Automobile Engineering	2016-17	8.08	3 Years
47	Dr. Raja Sir Muthiah Chettiar of Chettinad Endowment Fund	Dr . R. Auvai	Dr. Raja Sir Muthiah of Chettinadu	Non Government	Physical Education	2016-17	5.0	1 Year
48	Prof. S. Peer Mohamed Endowment Fund	Dr . R. Auvai	Prof. S. Peer Mohamed Endowment Fund	Non Government	Physical Education	2016-17	1.46	1 Year
49	Dr. Raja Sir Muthiah Chettiar of Chettinad Endowment Fund	Mr. Hamanulla N	Dr. Raja Sir Muthiah of Chettinadu	Non Government	Physical Education	2016-17	0.44	1 Year
50	Seismic performanceof exterior beam column joint using ferrocement jacket	Dr. J. Revathy	Tamilnadu State Council For Science And Technology (TNSCST)	Government	Civil Engineering	2016-17	0.10	1 Year
51	Application of nano particles in green concrete for sustainable built environment	Dr. J. Revathy	Tamilnadu State Council For Science And Technology (TNSCST)	Government	Civil Engineering	2016-17	0.10	1 Year
52	Development of Graphene SrTiO3 based hybrid photocatalytic system for the production of solar fuels	Dr. Noor Aman Ahrar Mundari	Science and Engineering Research Board (SERB)	Government	Chemistry	2015-16	24.98	3 Years
53	Synthesis of Novel Low Band Gap Polymer Materials for Solar Cell Applications	Dr. Vajjiravel Murugesan	Science and Engineering Research Board (SERB)	Government	Chemistry	2015-16	23.78	3 Years
54	Investigation of multirate properties of rareearth and transition metal dopped bismuth for functional applications	Dr. Shameem banu	Science and Engineering Research Board (SERB)	Government	Physics	2015-16	23.55	3 Years

55	Synthesis, characterization and optimization of QDs on TiO2 surface for quantum dot solar cells	Dr. M. Asha Jhonsi	Science and Engineering Research Board (SERB)	Government	Chemistry	2015-16	19.76	3 Years
56	Identifying the molecular basis of peroxidase activity of Peroxiredoxin 6 - An approach for designing Antioxidant Peptides and Inhibitors	Dr. Md Khurshid Alam Khan	Science and Engineering Research Board (SERB)	Government	Life Sciences	2015-16	14.30	3 Years
57	Synthesis and characterization of multiferroite nano composite for functional applications	Dr. Shameem banu	Department of Science and Technology (DST)	Government	Physics	2015-16	14.19	3 Years
58	Evaluation of sacrificial anode cathodic protection (SACP) system for reinforced concrete applications	Prof. Haji Sheik Mohammed	M/s.Radhe Structorepair Pvt Ltd.,	Non Government	Civil Engineering	2018-19	8.40	1.5 Years
59	The effect of aluminum on TiAlN, CrAlN and ZrAlN coatings using RF powered Magnetron Sputtering	Dr. S. Beer Mohamed	University Grants Commission - DAE consortium for Scientific Research	Government	Mechanical Engineering	2015-16	8.21	3 Years
60	Prof. S. Peer Mohamed Endowment Fund	Dr. K. M. Mehata	Prof. S. Peer Mohamed Endowment Fund	Non Government	Computer Science and Engineering	2015-16	5.03	1 Year
61	Sesmic retrofitting of pre-stressed concrete beams externally bonded with fibre reinforced polymer composites	Dr. J. Revathy	Science and Engineering Research Board (SERB)	Government	Civil Engineering	2015-16	4.50	3 Years
62	gpX1 gene polymorphisms and mitochondrial ROS signaling in cancer risk	Dr. Soumen Bera	Science and Engineering Research Board (SERB)	Government	Life Sciences	2015-16	4.00	3 Years
63	Prof. S. Peer Mohamed Endowment Fund	Dr. K. M. Mehata	Prof. S. Peer Mohamed Endowment Fund	Non Government	Computer Science and Engineering	2015-16	4.37	1 Year
64	Prof. S. Peer Mohamed Endowment Fund	Dr . R. Auvai	Prof. S. Peer Mohamed Endowment Fund	Non Government	Physical Education	2015-16	1.28	1 Year
65	Dr. Raja Sir Muthiah Chettiar of Chettinad Endowment Fund	Mr. Hamanulla N	Dr. Raja Sir Muthiah of Chettinadu	Non Government	Physical Education	2015-16	0.56	1 Year
66	Palladium catalysed Buchwald Hartwig coupling of 2-C hydroxymethyl D glycols and aryl halides : Synthesis of functionalized C – Aryl Glycosides	Dr. Bhagavathy	Department of Science and Technology (DST)	Government	Chemistry	2014-15	42.60	3 Years
67	Investigation of chaotic and strange nonchaotic phenomena in coupled nonlinear circuits and systems	Prof. I Raja Mohamed	Science and Engineering Research Board (SERB)	Government	Physics	2014-15	32.46	3 Years
68	Seismic performance of FRP confined concrete filled steel tubular columns	Dr. P. Gajalakshmi	Ministry of Earth Sciences (MOES)	Government	Civil Engineering	2014-15	29.10	3 Years
69	Preparation of rare-earth doped molybdate nanostructures using soft chemical route for opt electronic applications	Dr. J. Thirumalai	Science and Engineering Research Board (SERB)	Government	Physics	2014-15	23.64	3 Years
70	Development of Oil Absorbing Polymer Product for Efficient Removal of Oil Spills in Sea water	Dr. R. Vasanthakumari	Naval Research Board (NRB)	Government	Ploymer Nanotechnology	2014-15	20.04	2 Years
71	Applications of Gold Catalysis For The Synthesis Of Bioactive Heterocyclic And Natural Product Mimic	Dr.K.Karthikeyan	Science and Engineering Research Board (SERB)	Government	Chemistry	2014-15	19.66	3 Years
72	Bismuth titanite quantum photo voltage application	Ms. Saai Harini	Department of Science and Technology (DST)	Government	Chemistry	2014-15	18.14	3 Years
73	Demo vehicle for mechanical engineering students for study and training purpose	Dr. S. Rasool Mohideen	M/s. Ford India Pvt. Ltd.	Non Government	Mechanical Engineering	2014-15	14.00	3 Years
74	To study the effect of diagnosisist and ortholight on protein stability in renal disfunction	Dr. Shazia Jamal	Science and Engineering Research Board (SERB)	Government	Life Sciences	2014-15	13.60	3 Years
75	Wear behavior of duplex coated steels	Dr.R.Rajendran	University Grants Commission - DAE consortium for Scientific Research	Government	Mechanical Engineering	2014-15	5.37	2 Years
76	Prof. S. Peer Mohamed Endowment Fund	Dr. K. M. Mehata	Prof. S. Peer Mohamed Endowment Fund	Non Government	Computer Science and Engineering	2014-15	1.29	1 Year
77	Dr. Raja Sir Muthiah Chettiar of Chettinad Endowment Fund	Dr . R. Auvai	Dr. Raja Sir Muthiah of Chettinadu	Non Government	Physical Education	2014-15	0.42	1 Year
78	Prof. S. Peer Mohamed Endowment Fund	Dr. K. M. Mehata	Prof. S. Peer Mohamed Endowment Fund	Non Government	Computer Science and Engineering	2014-15	4.37	1 Year
TOTAL (Rs. In Lakhs)							1327.15	