Research grants by Government and Non Governmental Agencies

S.no	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Department of Principal Investigator	Year of Award	Funds provided	Duration of the project	Name of the funding agency	Governmental / Non Governmental
			2017 - 2018					
1	Design and Analysis of David Arm	Mr.S.Rameshkumar	Mechanical Engineering	2018	250,000	6 Months	Kavin Engineering and services Pvt Ltd	Non Governmental
2	CAD Application for automative Disc brakes design and heat transfer analysis	Dr. Mohanasundararaju. N	Mechanical Engineering	2017	2,75,000	2 Years	SGI Automotive Private Ltd	Non Governmental
3	Multipurpose Smart Bag	Mr. Balaji D	Electronics and Communication Engineering	2018	9000	6 Months	Tamilnadu State Council for Science and Technology	Governmental
4	Design of rain water harvestig system	Mr.K Prasad babu	Civil Engineering	2018	10,000	3 Months	Maha Ajay Spinners	Non Governmental
5	Life cycle testing for auto components	Dr. Mohanasundararaju. N	Mechanical Engineering	2017	3,25,000	2 Years	SGI Automotive Private Ltd	Non Governmental
6	Intelligent vehicle pollution monitoring and control system	J.Ramkumar	Electrical and Electronics Engineering	2017	25,000	1 Year	Caliber Technologies	Non Governmental
7	ZIGBEE based motor and load control	M.Iswariya Lakshmi	Electrical and Electronics Engineering	2017	15,500	1 Year	Caliber Technologies	Non Governmental
8	Dyeing waste treatment plant	Mr.K Prasad babu	Civil Engineering	2018	37500	1 Year	Maha Ajay Spinners	Non Governmental
9	Planning and desiging of Layout for new textile mills	Mr.K Prasad babu	Civil Engineering	2018	8400	2 Year	Maha Ajay Spinners	Non Governmental
10	Environmental Pollution monitoring using mobile and PC application	Dr.H.Lilly Beaulah P.Shanmugapriya	Computer Science and Engineering	2018	20000	1 year	Global Lab Consultancy	Non Governmental
11	Secure and efficient data communication protocol for wireless body area network	Dr.H.Lilly Beaulah	Computer Science and Engineering	2018	5000	6 Months	GA Software solutions	Non Governmental
12	LBP based edge texture features for object recognition	Dr. N. Malmurugan	Electronics and Communication Engineering	2017	4,00,000	1 year	caliber embedded tech	Non Governmental
13	An early fire detection system through registration & analysis of waste station IR - Image	Dr. M. Suganthi	Electronics and Communication Engineering	2017	5,00,000	1 year	Indian Automobiles Pollution Control Centre,Chennai	Non Governmental
14	High level authentication for industries using face and voice recognition	Dr. N. Malmurugan	Electronics and Communication Engineering	2017	3,50,000	1 year	Indian Automobiles Pollution Control Centre,Chennai	Non Governmental
15	Monitoring and Control of Greenhouse Environment	Dr. M. Suganthi	Electronics and Communication Engineering	2017	4,00,000	1 year	Indian Automobiles Pollution Control Centre,Chennai	Non Governmental
16	Eye Ball Controlled Automatic Wheel Chair for patient convenient movement	Dr. N. Malmurugan	Electronics and Communication Engineering	2018	290,000	1 year	SKS Hospital,Salem	Non Governmental

No	Title	PI	Department	Year	Amount	Duration	Organization	Type
17	Advanced Wireless Security System with Remote Alarm and Sensor for Modern Security Application	Dr. M. Suganthi	Electronics and Communication Engineering	2018	240,000	1 year	Ranga Electronics,Salem	Non Governmental
18	Virtual Spirometry For Respiratory Function Testing For Patient	Dr. V. Ponniyinselvan	Electronics and Communication Engineering	2018	3,00,000	1 year	Vinayaka Missions Hospital,Salem	Non Governmental
19	Digital Milk Quality Analyzer using ARM processor	Dr. V. Ponniyinselvan	Electronics and Communication Engineering	2018	150,000	1 year	Hatsun Agro Product Ltd,Salem	Non Governmental
20	Virtual Spirometry For Respiratory Function Testing For Patient	Mrs. A Vijayalakshmi	Computer Science and Engineering	2018	6500	6 Months	GA Software solutions	Non Governmental
21	Digital Milk Quality Analyzer using ARM processor	Mrs. Latha PS	Computer Science and Engineering	2018	6000	6 Months	Triple Tech Soft	Non Governmental
22	Analysis of Secure data accessing technology using Honey Encryption and RSE algorithm	Mr M Karthikeyan	Information technology	2018	7000	6 Months	Triple Tech Soft	Non Governmental
23	Education Learning System (E-Learning Solutions)	Dr.T.Akila V.Deepa	Computer Science and Engineering	2018	25000	2 years	Maha Ajay Spinners	Non Governmental
24	Designing of panel circuit boards for laundry system	Dr.S.M.Kamali	Electrical and Electronics Engineering	2017	25000	1 Year	Arun Engineering Industries	Non Governmental
25	Maximum power point tracking baased charge controller designing for 240w solar photovoltaic systems	Dr.S.M.Kamali	Electrical and Electronics Engineering	2017	32000	1 Year	Fenix power solutions	Non Governmental
26	E-Commerce Shopping Cart	P.S.Latha K.S.Manojee	Computer Science and Engineering	2017	9000	1 year	Enspilog Software solution	Non Governmental
27	Design and development fabric drying behavior measuring device	Dr.S.Balamurugan	Mechanical Engineering	2017	70,000	6 Months	Maha Ajay spinners	Non Governmental
28	Utilization of Textile waste for Reinforcement in Concrete Block	Dr.S.Balamurugan	Mechanical Engineering	2017	85,000	6 Months	Maha Ajay spinners	Non Governmental
29	Pay Roll System	K. Venkatasalam C. N. Vanitha	Computer Science and Engineering	2017	6000	1 year	Mazenet, Salem	Non Governmental
30	Education Learning Innovative Picture Identification	N.Sasikumar V.Raja	Computer Science and Engineering	2017	9500	1 year	Laser info system	Non Governmental
31	Energy Efficient and Secure Routing in Wireless Ad Hoc Sensor Networks	Dr. N. Sathish	Information technology	2017	200000	2 years	GA Software solutions	Non Governmental
32	Mining Gene Expression Data Focusing Cancer Therapeutics	Dr.H.Lilly Beaulah	Computer Science Engineering	2017	550000	2 years	GA Software solutions	Non Governmental
33	Waste water treatment in pulp & paper industry	Mrs. Helan Margarat Joy	Chemistry	2017	120000	2 years	Maha Ajay spinners	Non Governmental
34	Real time analysis and control of PV inverters in VAR mode	Dr. S. Kamali	Electrical and Electronics Engineering	2017	490000	2 years		Non Governmental
35	Development of knit braided rope for automobiles	Dr.S.Balamurugan	Mechanical Engineering	2017	95000	2 years	Maha Ajay spinners	Non Governmental

36	Comparison of Principle Component Analysis based Blood Vessels Segmentation Methodologies in Retinal Images	Mr. Vinoth S	Biomedical Enignering	2017	8500	1 year	Silicic Innova Technologies	Non Governmental
37	Automatic Detection of Breast Cancer Using Probilistic Neural Network (PNN) Classifier	Mr. Vinoth S	Biomedical Enignering	2017	6500	1 year	Silicic Innova Technologies	Non Governmental
38	Real Time Heart Rate Monitoring using Embedded System	Mrs. Priya T	Biomedical Enignering	2017	7500	1 year	Silicic Innova Technologies	Non Governmental
39	Design and Implementation of IoT enabled Handheld Low Cost ECG Monitoring for the Patients with Chronic Heart Failure	Dr. K.Swaminathan	Biomedical Enignering	2017	9000	1year	Silicic Innova Technologies	Non Governmental
40	Assisting Chronic Dyspraxia Patient with Brain Computer Interface	Dr. K.Swaminathan	Biomedical Enignering	2017	12500	1 year	Silicic Innova Technologies	Non Governmental
41	Detection and Measuring of Retinal Vessels in Fundus Images using Wavelets	Ms. M.K.Prabavathi	Biomedical Enignering	2017	5500	1 year	Silicic Innova Technologies	Non Governmental
42	Managing soil pollution in salem thorugh improved onsite sanitation project	Mr.Prasad babu	Civil Engineering	2017	200000	2 year	Global Lab Consultancy	Non Governmental
43	Industrial Automation using ARM and touchscreen	Dr. V. Ponniyinselvan	Electronics and Communication Engineering	2017	350000	2 year	Livewire Private ltd	Non Governmental
44	Design & Development of Stair Climbing Robot With GSM Control	Mr. Nandhakumr	Mechatronics Engineering	2017	11500	2 year	Livewire Private ltd	Non Governmental
45	Automation in Autoconer Section of the Spinning Mill	Mr. Nandhakumr	Mechatronics Engineering	2017	7500	2 year	Maha Ajay Spinners India pvt ltd	Non Governmental
46	Design & Development of Smart Sensor using MEMS technology	Mr. Nandhakumr	Mechatronics Engineering	2017	22500	1 Year	Maha Ajay Spinners India pvt ltd	Non Governmental
47	Design & Fabrication of product measurement and Rejection system	Mr. Nandhakumr	Mechatronics Engineering	2017	9000	2 Year	SGI Automotive Private Ltd	Non Governmental
48	Design Enhancement And Optimization Of Plastic Injection Moulding	Mr. Nandhakumr	Mechatronics Engineering	2017	12500	3 Year	Livewire Private ltd	Non Governmental
49	Smart Irrigation System using IoT and Wireless Sensors Networks	Dr.H.Lilly Beaulah	Computer Science Engineering	2017	86000	1 year	Triple Tech Soft	Non Governmental
50	Iris Recognition based image authentication for securing hospital database	Dr. K. Swaminathan	Biomedical Enignering	2017	555000	1 year	Caliber Embedded Tech	Non Governmental
	2016-2017							
1	Network Design for Multiple Office Connectivity	Dr. H.Lilly Beaulah R. Gayathri	Computer Science and Engineering	2016	40000	1 Year	Livewire Private ltd	Non Governmental
2	Design and Fabrication of Automated Double Hacksaw Machine	Dr.S.Balamurugan & Mr S.Rameshkumar	Mechanical Engineering	2016	424900	1 Year	Arun Engineering Industries	Non Governmental
3	A Noval technology to measure UPS Battery with stand time	M.S.Saravanan	Electrical and Electronics Engineering	2017	75000	1 Year	VI Microsystems	Non Governmental
4	Fingerprint based attendance maintanance for college students using zigbee& GSM network	R.Anand	Electrical and Electronics Engineering	2016	85000	1 Year	VI Microsystems	Non Governmental

5	Passenger bus alert system for easy navigation of blind	M.InbaArasi	Electrical and Electronics Engineering	2016	55000	1 Year	VI Microsystems	Non Governmental
6	MWeb Crawling and Indexing	A.Vijayalakshmi P.Yuvaraj	Computer Science and Engineering	2016	9000	1 Year	Mahendra nextwealth	Non Governmental
7	Data Duplication System for Virtual Machine storage system	Mrs. P Shanmuga priya	Information technology	2016	7000	6 Months	GA Software solutions	Non Governmental
8	Education Learning System (E-Learning Solutions)	Dr..H.Lilly Beaulah M.Jenolin Rex	Computer Science and Engineering	2016	4,50,000	1 Year	GA Software solutions	Non Governmental
9	QR Based student Information System Using Android Application	T.Baburaj C.Sasikumar	Computer Science and Engineering	2016	9000	1 Year	Enspilog Software solution	Non Governmental
10	Utilization of Textile waste for Reinforcement in Concrete Block	Dr.S.Balamurugan	Mechanical Engineering	2017	85,000	6 Months	Maha Ajay Spinners mill	Non Governmental
11	Designing of SMPS	M.Inba Arasi and S.Thangapandiyan	Electrical and Electronics Engineering	2017	25000	1 Year	HITACHI systems Pvt ltd.	Non Governmental
12	Designing of circuit breakers	J.ramkumar	Electrical and Electronics Engineering	2017	20000	1 Year	Sree spinning mills pvt.ltd.	Non Governmental
13	Designing of circuit breakers	K.Sabarinathan	Electrical and Electronics Engineering	2017	20000	1 Year	Maha Ajay spinning mills	Non Governmental
14	Designing of circuit breakers	A.Aravind and A.Dhivya	Electrical and Electronics Engineering	2017	23000	1 Year	Hatsun Agro pvt ltd	Non Governmental
15	Load sharing using hybrid techinique for DC micro grids	S.Madhusudan and M.S.Saravanan	Electrical and Electronics Engineering	2017	58700	1 Year	BHEL pvt. Ltd.	Non Governmental
16	Design Advice on Tankless Water Heater	Mr.S.Rameshkumar	Mechanical Engineering	2016	285,000	6 Months	Kavin Engineering and services Pvt Ltd	Non Governmental
17	Online Shopping	A.S.Subaira M.Venkatesan	Computer Science and Engineering	2016	9500	1 Year	Enspilog Software solution	Non Governmental
18	Office Automation	N. Sasikumar P. Ramya	Computer Science and Engineering	2016	12000	1 Year	LRN motors, Salem	Non Governmental
19	Electronic Billing System	C.Titus A.Vijayalakshmi	Computer Science and Engineering	2016	7, 000.00	1 Year	Subham Departmental Store	Non Governmental
20	A QoS Oriented BAC Technique for Hybrid Wireless Network	C.Titus A.Vijayalakshmi	Computer Science and Engineering	2016	7500	1 Year	Mazenet, Salem	Non Governmental
21	Intelligent Public Transportion System	S.Manimekalai P.Shanmugapriya	Computer Science and Engineering	2016	15000	1 Year	Anmol Company, Coimbatore	Non Governmental
22	Child Monitoring System using Raspberry Pi	P.S. Latha M.Karthikeyan	Computer Science and Engineering	2016	15000	1 Year	Manipal hospital, Salem	Non Governmental
23	Optimisation of pigment printing parameter for Kninformation technologyted garments	Dr. M. Suganthi	Electronics and Communication Engineering	2016	475000	2 Years	Maha ajay spinners	Non Governmental
24	Investigation of the structure , proporties and behaviours of new industrial fibrous materials	Mrs.M. Aruna	Physics	2016	200000	2 Years	Maha ajay spinners	Non Governmental

25	Secure Data Retrieval Using Novel Technique Attribute Unions	Dr.H.Lilly Beaulah	Computer Science Engineering	2016	550000	2 Years	GA Software solutions	Non Governmental
26	Latest technique of prininformation technologyng using various binders on cotton ready made garments	Dr. M. Suganthi	Electronics and Communication Engineering	2016	200000	2 Years	Maha Ajay Spinners	Non Governmental
27	Compressive Strength test on Concrete Cubes	Mr. Harikaran M	Civil Engineering	2017	2450	1 Week	Albis Construction PVT.LTD	Non Governmental
28	Analysis of wicking property using CFD technique	Dr. S. Balamurugan	Mechanical Engineering	2016	50000	2 Years	Maha Ajay Spinners	Non Governmental
29	"GSM based industrial automation for environmental purpose"	Mr.R.Nandhakumar	Mechanical Engineering	2016	20000	6 Months	Maha Ajay Spinners	Non Governmental
30	Hybrid Power Steering System, Power Generation from Suspension System for Light motor vehicle	Mr.R.Nandhakumar	Mechanical Engineering	2016	43638	6 Months	SGI Automotive Private Ltd	Non Governmental
31	Development of fire retardent chemicals for textile coating	Mrs. Helan Margarat Joy	Chemistry	2016	195000	2 Years	Maha ajay spinners	Non Governmental
32	Design & Development of air permeablinformation technologyy tester for cotton mills	Dr. V. Ponniyinselvan	Electronics and Communication Engineering	2016	175000	1 year	Maha ajay spinners	Non Governmental
33	Electronic Voting Machine Based on Adhaar card using Arduino	Mr. Balaji D	Electronics and Communication Engineering	2017	10,000/-	6 Months	Tamilnadu State Council for Science and Technology	Governmental
34	Design and Construction of Radio Frequency identification	Mr. Balaji D	Electronics and Communication Engineering	2016	10,000/-	6 Months	Tamilnadu State Council for Science and Technology	Governmental
35	Automatic accident Detection and Warning System using Embedded System	Mrs.Meera.S	Electronics and Communication Engineering	2016	9000/-	6 Months	Tamilnadu State Council for Science and Technology	Governmental
36	Secure Data Retrieval	Dr. N. Sathish	Information technology	2016	200000	1 Year	GA Software solutions	Non Governmental
37	PC Controlled ZigBee based Wireless LED Scrolling Notice Board	Mr. K. Thirunavukkarasu Mr.M.Jenolin Rex	Computer Science and Engineering	2016	30000	1 Year	Mahendra nextwealth	Non Governmental
38	Education Learning System (E-Learning Solutions)	Dr. N. Satish A.Vijayalakshmi	Computer Science and Engineering	2016	2,00,000	1 Year	GA Software solutions	Non Governmental
39	IP CCTV Network Design for Enterprise	Dr.T.Akila M.Keerthana	Computer Science and Engineering	2016	35000	1 Year	Livewire Private ltd	Non Governmental
40	Automation of auto coner section in textile Mills	Mr.Nandhakumar	Mechatronics Engineering	2016	155000	1 Year	Maha ajay spinners	Non Governmental
2015-2016								
1	Design and development of Stair climbing robot with GSM control	Mr.Nandhakumar	Mechatronics Engineering	2016	400000	1 Year	Livewire Private ltd	Non Governmental
2	Web Search with Privacy Protection	Dr.H.Lilly Beaulah	Computer Science Engineering	2016	400000	2 Year	GA Software solutions	Non Governmental
3	Analysis of solid state transformer interfaced with renewable energy system in smart grid	Mrs. Inbarai	Electrical and Electronics Engineering	2016	600000	2 Year	Livewire Private ltd	Non Governmental

4	Image Classification using Machine learning approach Fuzzy Logic and Local Relationship	Dr. N. Sathish	Information technology	2016	325000	2 Year	Triple Tech Soft	Non Governmental
5	Electrical Wiring	Mr.J.Ram kumar	Electrical and Electronics Engineering	2016	20000	1 Year	Rasi Silks	Non Governmental
6	Man Machines interface for boiler system.	Mrs.M.Inba Arasi	Electrical and Electronics Engineering	2015	15000	1 Year	Caliber Technologies, Salem	Non Governmental
7	Design of 350-440V, Output range of DC 230V, 200A Rectifier Unit.	Mrs.K.Mekala	Electrical and Electronics Engineering	2015	20000	1 Year	G. D. Electrical Equipments, Coimbatore	Non Governmental
8	Subject content delivery	Mr R.Anand	Electrical and Electronics Engineering	2015	75000	1 Year	GA software solutions, Bangalore	Non Governmental