

3.2.1 Research funding received by the institution and its faculties through Government and non-government sources such as industry, corporate houses, international bodies for research project, endowment research chairs during the last five years (From 2018 - 2019 to 2022 - 2023)

S.No	Name of the PI/ Co-PI/Name of the person holding the Chair	Title of the research project, endowments, Research Chairs	Name of the Funding Agency	Duration	Year of award or sanction	Amount (INR in Lakhs)	Head/Sub head
1	Dr. D Shoba Rajkumar , HOD/ Civil	Experimental investigation on the analysis and Design of truss with light gauge cold formed steel section	TEQIP - III	2018 - 2019	31.8.2018	0.03	Academic Processes / Research and Development
2	Dr. M Anbarasu , AP/ Civil	Influence on Ultimate strength of Cold-Formed Steel Lipped Channel Columns subjected to interaction on Distortional Global Buckling	TEQIP - III	2018 - 2019	31.8.2018	0.06	Academic Processes / Research and Development
3	P. Senthamilselvi , AP/ Civil	Effect of incinerated paper sludge ash on fly ash-based geopolymer concrete	TEQIP - III	2018 - 2019	31.8.2018	0.12	Academic Processes / Research and Development
4	Dr. R Vijayan , Prof & HOD Mechincal	Experimental Investigation of future HFC/HCs Blended refrigerants for use in small capacity window Air-conditioner	TEQIP - III	2018 - 2019	31.8.2018	0.03	Academic Processes / Research and Development
5	Dr. T .Balusamy , AP/ Mechincal	Thermal performance of water-in-Glass Evacuated tube solar collector with and without phase change	TEQIP - III	2018 - 2019	31.8.2018	0.09	Academic Processes / Research and Development
6	A. Baraniraj , AP/ Mechanical	An experimental Investigation and Mathematical Modeling for Electrodeposition of Ni-Zro2 Nanocomposite coating on AA 6061	TEQIP - III	2018 - 2019	31.8.2018	0.03	Academic Processes / Research and Development
7	Dr. S. Sivalakshmi , AP/ Mechanical	Experimental Investigation on Single-sided Transient natural ventilation driven by Buoyancy	TEQIP - III	2018 - 2019	31.8.2018	0.09	Academic Processes / Research and Development
8	Prof. M Raja , AP/ Mechanical	Experimental analysis of heat transfer in clay brick and fly ash brick wall	TEQIP - III	2018 - 2019	31.8.2018	0.06	Academic Processes / Research and Development
9	Prof. R. Jamuna, AP/ Mechanical	Investigation of CNC errors by wireless ball bar tester I square circle diamond test and CMM	TEQIP - III	2018 - 2019	31.8.2018	0.03	Academic Processes / Research and Development
10	Prof. K . Sakunthala , AP/ Mechanical	Study of Exhaust emission characteristic by ceramic coated Diesel Engine using Rubber seed oil Blend with pure diesel fuel	TEQIP - III	2018 - 2019	31.8.2018	0.03	Academic Processes / Research and Development
11	Dr. S. Ayyappan, AP/ Mechanical	Optimization of parameters influencing the dynamic behavior of a banana fiber-reinforced polymer matrix curved composite beams	TEQIP - III	2018 - 2019	31.8.2018	0.12	Academic Processes / Research and Development
12	Dr. C.Govindaraju , AP / EEE	Solar Water Pumping System Employing ZETA Converter and BLDC Motor	TEQIP - III	2018 - 2019	31.8.2018	0.12	Academic Processes / Research and Development
13	Prof.D.Asokraj, AP/EEE	Synchronous reference frame theory based for unified power quality conditioner in Three-Phase Four-wire distribution system	TEQIP - III	2018 - 2019	27.9.2018	0.03	Academic Processes / Research and Development
14	Dr. T .R sumithira , AP/ EEE	Investigation and Implementation of New DC-DC Non-Isolated Topology for Solar PV Micro converter with Effective Clamping Circuit	TEQIP - III	2018 - 2019	31.8.2018	0.09	Academic Processes / Research and Development
15	Dr. G. Kavitha, AP/ ECE	Multi Attribute Real Time Traffic Inference Algorithm for Botnet Detection in Mobile Ad HOC Network”	TEQIP - III	2018 - 2019	31.8.2018	0.03	Academic Processes / Research and Development

16	Prof. I . Kalpana, AP/ ECE	Analysis of Channel Estimation Algorithms for MIMO OFDM Decoder	TEQIP - III	2018 - 2019	31.8.2018	0.03	Academic Processes / Research and Development
17	Dr. A. M Kalpana , AP & HOD/ CSE	A Neural Framework to Discover the probability for recommendation Using Association with Clustering Methodology	TEQIP - III	2018 - 2019	31.8.2018	0.15	Academic Processes / Research and Development
18	Prof. P. Tharani , AP/ CSE	An Exploration of Security Issues in Cloud Environment	TEQIP - III	2018 - 2019	31.8.2018	0.03	Academic Processes / Research and Development
19	Prof. P. Nithya, AP/ CSE	Big Data Clustering Algorithm and Strategies	TEQIP - III	2018 - 2019	31.8.2018	0.03	Academic Processes / Research and Development
20	Dr. C. Rani, AP/ CSE	Prediction optimal path for goods delivery to fair price shops in India using Hierarchical Intelligent Water Drops Algorithm	TEQIP - III	2018 - 2019	31.8.2018	0.03	Academic Processes / Research and Development
21	Dr. K. Karthik, AP/ Metallurgical	Influence of Asymmetric cyclic loading on structural evolution and deformation behavior of Cu-5 at % Zr Alloy: An Atomistic simulation -Based study	TEQIP - III	2018 - 2019	31.8.2018	0.06	Academic Processes / Research and Development
22	Prof. M . Deepakkumar, AP/ Metallurgy	Optimization on Friction welding of Super Duplex Stainless Steel 2507 using Design of Experiments	TEQIP - III	2018 - 2019	31.8.2018	0.03	Academic Processes / Research and Development
23	Prof. S . Leemamary, HOD/ Mathematics	New Results for Strong Inverse split and Non-split Domination In Graphs	TEQIP - III	2018 - 2019	31.8.2018	0.03	Academic Processes / Research and Development
24	Prof. V . Mahadevan, AP/ Mathematics	New Results for Strong Inverse split and Non-split Domination In Graphs	TEQIP - III	2018 - 2019	31.8.2018	0.03	Academic Processes / Research and Development
25	Dr. K.Kannan, HOD, Chemistry	In Silica Design Synthesis, DFT And Antimicrobial evaluation of some 2, 5 substituted 1, 3, 4 Oxadiazole Derivatives	TEQIP - III	2018 - 2019	7.9.2018	0.03	Academic Processes / Research and Development
26	Dr.T.Venugopal ,AP,Chemistry	Facile One-Pot Synthesis of Flower like Cobalt Oxide Nanostructures on Nickel Plate and Its Supercapacitance Properties	TEQIP - III	2018 - 2019	7.9.2018	0.06	Academic Processes / Research and Development
27	M.STANELYBRITTO	Research Assistantship	TEQIP - III	2018 - 2019	2018 - 2019	1.32	Academic Processes / Research Assistantship
28	G. DEEPANA	Research Assistantship	TEQIP - III	2018 - 2019	2018 - 2019	1.32	Academic Processes / Research Assistantship
29	N.VENGATAJALAPATHI	Research Assistantship	TEQIP - III	2018 - 2019	2018 - 2019	0.6	Academic Processes / Research Assistantship
30	S. KARTHIKEYAN	Research Assistantship	TEQIP - III	2018 - 2019	2018 - 2019	1.08	Academic Processes / Research Assistantship
31	M.VENKATESAN	Research Assistantship	TEQIP - III	2018 - 2019	2018 - 2019	0.48	Academic Processes / Research Assistantship
32	P. DINESHKUMAR	Research Assistantship	TEQIP - III	2018 - 2019	2018 - 2019	0.48	Academic Processes / Research Assistantship

33	T. ANBUKUMAR	Research Assistantship	TEQIP - III	2018 - 2019	2018 - 2019	0.48	Academic Processes / Research Assistantship
34	M. PRITHIVI RAJ	Research Assistantship	TEQIP - III	2018 - 2019	2018 - 2019	1.32	Academic Processes / Research Assistantship
35	S.I.SHAIK HUSSAIN	Research Assistantship	TEQIP - III	2018 - 2019	2018 - 2019	1.44	Academic Processes / Research Assistantship
36	V.SURESH	Research Assistantship	TEQIP - III	2018 - 2019	2018 - 2019	1.2	Academic Processes / Research Assistantship
37	S.SHAMEER	Research Assistantship	TEQIP - III	2018 - 2019	2018 - 2019	0.36	Academic Processes / Research Assistantship
38	G. SIVARAJ	Research Assistantship	TEQIP - III	2018 - 2019	2018 - 2019	0.36	Academic Processes / Research Assistantship
39	R. MAHADEVAN	Research Assistantship	TEQIP - III	2018 - 2019	2018 - 2019	1.32	Academic Processes / Research Assistantship
40	G. VIJAYA KUMAR	Research Assistantship	TEQIP - III	2018 - 2019	2018 - 2019	0.6	Academic Processes / Research Assistantship
41	Dr.M.Santhi, HoD/ECE	Modernization & Removal of Obsolescence in Communication Systems Lab	AICTE	2018 - 2019	2019	13.06	
42	Dr. M Anbarasu, AP/Civil	Investigation on the strength and behaviour of cold-formed steel build-up battened columns	UGC-SERO, Hyderabad	2018 - 2019	2019	2.632	
43	Dr.R.Vijayan, HoD/Mech	EDS Attachment for SEM	TEQIP III	2018 - 2019	2018	30.2	Procurement of Goods / Equipment
44	Dr.D.Shoba Rajkumar	Synthesis and Characterization of silica from Zea Mays	TEQIP - III	2019 - 2020	2.8.2019	0.03	Academic Processes / Research and Development
45	Dr.V.Rajkumar	Significant effects of cementitious materials on strength gain properties of concrete with partial replacement of fine aggregate of quarry dust	TEQIP - III	2019 - 2020	2.8.2019	0.12	Academic Processes / Research and Development
46	Dr.M.Anbarasu	Investigation on behaviour of cold formed ferritic stainless steel hollow beams	TEQIP - III	2019 - 2020	2.8.2019	0.15	Academic Processes / Research and Development
47	Prof.P.Senthamiselvi	Flexural behaviour of reinforced fly ash and paper sludge ash based geopolymer concrete beams	TEQIP - III	2019 - 2020	2.8.2019	0.03	Academic Processes / Research and Development
48	Dr.R.Vijayan	Performance enhancement of centrally finned twist inserted solar collector using corrugated booster reflectors	TEQIP - III	2019 - 2020	2.8.2019	0.15	Academic Processes / Research and Development
49	Dr.T.Balusamy	Behaviour OF Hydrogen in industrial scale steel Melts	TEQIP - III	2019 - 2020	2.8.2019	0.12	Academic Processes / Research and Development

50	Prof.A.Baraniraj	Experimental investigation of natural composites with epoxy resin	TEQIP - III	2019 - 2020	2.8.2019	0.06	Academic Processes / Research and Development
51	Dr.S.Sivalakshmi	Effect of salinity gradient solar pond upon addition of CaCo3	TEQIP - III	2019 - 2020	2.8.2019	0.15	Academic Processes / Research and Development
52	Dr.R.Vivekananthan	The Modelling of contact force of the robot gripper for Deformable object using finite elements method	TEQIP - III	2019 - 2020	2.8.2019	0.06	Academic Processes / Research and Development
53	Prof.R.Jamuna	Experimental investigation of CNC error by part accuracy method	TEQIP - III	2019 - 2020	2.8.2019	0.06	Academic Processes / Research and Development
54	Dr.M.Mohanraj	Experimental investigation of mechanical behaviour of prosopis Juliflora with araldite composite	TEQIP - III	2019 - 2020	2.8.2019	0.09	Academic Processes / Research and Development
55	Prof.K.Sakuthala	Forecasting energy consumption in Tamilnadu using hybrid heuristic based regression model	TEQIP - III	2019 - 2020	2.8.2019	0.09	Academic Processes / Research and Development
56	Dr.V.Satheeskumar	A Study on wear behaviour of electrical discharge coated magnesium alloy	TEQIP - III	2019 - 2020	2.8.2019	0.09	Academic Processes / Research and Development
57	Prof.P.Natarajan	Development of numerical model for predicting the characteristic of Ni-SiC nano composite coatings on AISI 1022 Substrate	TEQIP - III	2019 - 2020	2.8.2019	0.03	Academic Processes / Research and Development
58	Dr.V.Geetha	Optimal relocating of compensators for Real-Reactive power Management in distributed systems	TEQIP - III	2019 - 2020	2.8.2019	0.06	Academic Processes / Research and Development
59	Dr.A.Rubymeena	A study of automatic generation control of single and multi area power system using PI and Fuzzy logic controller	TEQIP - III	2019 - 2020	2.8.2019	0.03	Academic Processes / Research and Development
60	Dr.T.R.Sumithira	Design and Implementation of New topology for Non Isolated DC-DC microconverter with effective clamping circuit	TEQIP - III	2019 - 2020	2.8.2019	0.15	Academic Processes / Research and Development
61	Dr.S.Ganesan	Generation scheduling with large scale integration of renewable energy sources using grey wolf optimization	TEQIP - III	2019 - 2020	2.8.2019	0.15	Academic Processes / Research and Development
62	Dr.C.Govindaraju	Centralized hybrid renewable power generation using DISO-buck boost converter for Micro grid's	TEQIP - III	2019 - 2020	2.8.2019	0.12	Academic Processes / Research and Development
63	Dr.C.Vasanthanayaki	High performance error tolerant adder for image processing Applications	TEQIP - III	2019 - 2020	2.8.2019	0.09	Academic Processes / Research and Development
64	Prof.M.Dhinakaran	ANFIS Modelling for Auto regulation of PCO2 Perfusion system	TEQIP - III	2019 - 2020	2.8.2019	0.03	Academic Processes / Research and Development
65	Dr.A.M.Kalpna	Low Leakage charge recycling technique for power minimization in cntfet circuits	TEQIP - III	2019 - 2020	2.8.2019	0.06	Academic Processes / Research and Development
66	Dr.R.Golda Brunet	Transcription correction using group delay processing for continuous speech recognition	TEQIP - III	2019 - 2020	2.8.2019	0.06	Academic Processes / Research and Development

67	Dr.C.Rani	Design of smart logistics transportation system using mapreduce intelligent water drops algorithm in hadoop environment	TEQIP - III	2019 - 2020	2.8.2019	0.03	Academic Processes / Research and Development
68	Prof.S.Ruba	Survey on content based chunking in data depublication on cloud storage environment	TEQIP - III	2019 - 2020	2.8.2019	0.03	Academic Processes / Research and Development
69	Asso.Prof.D.Noorullah	Effect of welding parameters on mechanical properties of friction welded 17-4 PH stainless steel	TEQIP - III	2019 - 2020	2.8.2019	0.09	Academic Processes / Research and Development
70	Dr.K.Venkatesan	Influence of SIC nanoparticle reinforcement on FSS welded 6061-T6 Aluminium alloy	TEQIP - III	2019 - 2020	2.8.2019	0.09	Academic Processes / Research and Development
71	Prof.M.Deepakkumar	Optimization of friction welding of superduplex stainless steel 2507 using design of experiments	TEQIP - III	2019 - 2020	2.8.2019	0.03	Academic Processes / Research and Development
72	Dr.B.Anandavel	A review paper on research workdone in hardfacing of stellite 6 alloy	TEQIP - III	2019 - 2020	2.8.2019	0.06	Academic Processes / Research and Development
73	Dr.S.Dhanalakshmi	Friction stir welding of AA5052 & AA6061 Aluminium alloy by using taguchi method	TEQIP - III	2019 - 2020	2.8.2019	0.03	Academic Processes / Research and Development
74	K.T.Thilagham	Friction stir weldingof AA2014 & AA6082 Aluminium alloy by using Taguchi method	TEQIP - III	2019 - 2020	2.8.2019	0.06	Academic Processes / Research and Development
75	Prof.P.Sakthivel	Subalternity and Extentionalism in shashi deshbande's that long silence	TEQIP - III	2019 - 2020	2.8.2019	0.06	Academic Processes / Research and Development
76	Dr.T.Venugopal	Modelling the removal of lead from synthetic contaminated water by activated carbon from biomass of diplocyclos palmatus by RSM	TEQIP - III	2019 - 2020	2.8.2019	0.03	Academic Processes / Research and Development
77	Prof.V.Mahadevan	A New algorithm to find the optimal feasible assignment for an assignment problem	TEQIP - III	2019 - 2020	2.8.2019	0.15	Academic Processes / Research and Development
78	Prof.S.Leema mary	Social listening using predictive analytics	TEQIP - III	2019 - 2020	2.8.2019	0.15	Academic Processes / Research and Development
79	M.STANELYBRITTO	Research Assistantship	TEQIP - III	2019 - 2020	2019 - 2020	2.04	Academic Processes / Research Assistantship
80	G. DEEPANA	Research Assistantship	TEQIP - III	2019 - 2020	2019 - 2020	1.56	Academic Processes / Research Assistantship
81	S. KARTHIKEYAN	Research Assistantship	TEQIP - III	2019 - 2020	2019 - 2020	2.04	Academic Processes / Research Assistantship
82	M.VENKATESAN	Research Assistantship	TEQIP - III	2019 - 2020	2019 - 2020	2.04	Academic Processes / Research Assistantship
83	P. DINESHKUMAR	Research Assistantship	TEQIP - III	2019 - 2020	2019 - 2020	2.04	Academic Processes / Research Assistantship

84	T. ANBUKUMAR	Research Assistantship	TEQIP - III	2019 - 2020	2019 - 2020	2.16	Academic Processes / Research Assistantship
85	R. ALEX ARPUTHANATHAN	Research Assistantship	TEQIP - III	2019 - 2020	2019 - 2020	1.92	Academic Processes / Research Assistantship
86	M. PRITHIVI RAJ	Research Assistantship	TEQIP - III	2019 - 2020	2019 - 2020	0.60	Academic Processes / Research Assistantship
87	G. SIVARAJ	Research Assistantship	TEQIP - III	2019 - 2020	2019 - 2020	2.04	Academic Processes / Research Assistantship
88	R. MAHADEVAN	Research Assistantship	TEQIP - III	2019 - 2020	2019 - 2020	2.04	Academic Processes / Research Assistantship
89	G. VIJAYA KUMAR	Research Assistantship	TEQIP - III	2019 - 2020	2019 - 2020	2.04	Academic Processes / Research Assistantship
90	S.PRAVEEN KUMAR	Research Assistantship	TEQIP - III	2019 - 2020	2019 - 2020	1.80	Academic Processes / Research Assistantship
91	Dr.D.Shoba Rajkumar/civil	Experimental investigation on geopolymer mortar using flyash and GGBS	TEQIP - III	2020 - 2021	27.02.2021	0.03	Academic Processes / Research and Development
92	Dr.V.Rajkumar	An experimental study on geopolymer concrete with partial replacement of coarse aggregate by steel slag	TEQIP - III	2020 - 2021	06..08.2020	0.06	Academic Processes / Research and Development
93	Dr.Anbarasu/Civil	Flexural behavior of cover plated CFS built-up beams composed of lipped channels: Comparison of test and design strength	TEQIP - III	2020 - 2021	27.02.2021	0.15	Academic Processes / Research and Development
94	Prof.T.Murugesan/Civil	Sustainable use of sugarcane bagasse ash and marble slurry dust in crusher sand based concrete	TEQIP - III	2020 - 2021	27.02.2021	0.03	Academic Processes / Research and Development
95	Dr.A.Baraniraj/Mechanical	Machining and Optimization of process parameters for titanium alloy in WEDM using ANN	TEQIP - III	2020 - 2021	27.02.2021	0.03	Academic Processes / Research and Development
96	Prof.K.Kavitha	Experimental investigations of computerized inspection techniques in CNC manufacturing system	TEQIP - III	2020 - 2021	27.02.2021	0.03	Academic Processes / Research and Development
97	Dr.A.P.Sathiyagnanam/Mechanical	Effect retarded injection timing and EGR on performance, combustion and emission characteristics of a CRDi diesel engine fueled with WHDPE oil/diesel blends	TEQIP - III	2020 - 2021	27.02.2021	0.09	Academic Processes / Research and Development
98	Dr.V.Satheeshkumar/Mechanical	Effect of sintered electrode on microhardness and microstructure in electro discharge deposition of magnesium alloy	TEQIP - III	2020 - 2021	27.02.2021	0.12	Academic Processes / Research and Development
99	Dr.S.Senthilkumar	Design and Analysis of Non-Isolated DC-Dc boost converter	TEQIP - III	2020 - 2021	27.02.2021	0.06	Academic Processes / Research and Development
100	Dr.A.Rubymeena	Performance of distribution grid connected solar photovoltaic array with unified power quality conditioner	TEQIP - III	2020 - 2021	27.02.2021	0.06	Academic Processes / Research and Development

101	Dr.D.Murali/EEE	Experimental validation of multiloop controllers for two level cascaded positive output boost converter	TEQIP - III	2020 - 2021	27.02.2021	0.12	Academic Processses / Research and Development
102	Dr.C.Govindaraju/EEE	PV tied three port DC-DC converter operated four wheel drive hybrid electric vehicle	TEQIP - III	2020 - 2021	27.02.2021	0.09	Academic Processses / Research and Development
103	Dr.K.Logavani/EEE	A novel hybrid DC/Dc and modified quasi Z-source converter for enhanced voltage gain	TEQIP - III	2020 - 2021	27.02.2021	0.06	Academic Processses / Research and Development
104	Dr.C.Vasanthanayaki	Survey on planar antennas for 5G application	TEQIP - III	2020 - 2021	27.02.2021	0.15	Academic Processses / Research and Development
105	Prof.T.Thenozhi/ECE	Restoration techniques available for satellite image sensing applications	TEQIP - III	2020 - 2021	27.02.2021	0.03	Academic Processses / Research and Development
106	Prof.P.Indra/ECE	Detection of masses in digital mammogram using Non-Linear filters	TEQIP - III	2020 - 2021	27.02.2021	0.03	Academic Processses / Research and Development
107	Dr.G.Kavitha/ECE	Time dependent anomlaly detection system for smart environment using probabilistics timd automaton	TEQIP - III	2020 - 2021	27.02.2021	0.06	Academic Processses / Research and Development
108	Dr.A.M.Kalpana	An automated low cost to based fertilizer intimation system for smart agriculture	TEQIP - III	2020 - 2021	27.02.2021	0.06	Academic Processses / Research and Development
109	Dr.R.Golda Brunet	Machine learning techniques used to store efficient cloud data through chunking and date depublication process	TEQIP - III	2020 - 2021	27.02.2021	0.03	Academic Processses / Research and Development
110	Prof.M.Deepakkumar/Metallurgy	Characterization studies on weld strength of rotary friction welded austenitic stainless steel tubes	TEQIP - III	2020 - 2021	27.02.2021	0.06	Academic Processses / Research and Development
111	Prof.K.T.Thilagham/Metallurgy	EBSD Results of material flow and Microstructural changes around tool pin for the dissimilar friction stir welded AA6082-T6 and AA7075-T651	TEQIP - III	2020 - 2021	27.02.2021	0.09	Academic Processses / Research and Development
112	Dr.K.Saranya/Physics	Synthesis of novel thiopene fused pyrazoline-thioyanantoethanone derivative: Spectral, DFT, Pharmacological, docking and in vitro antibacterial studies	TEQIP - III	2020 - 2021	27.02.2021	0.03	Academic Processses / Research and Development
113	Dr.T.Venugopal,Ap/Chemistry	Heavy metal index and geographical information system (GIS) approach to study heavy metal contamination: a case study of north chennai groundwater	TEQIP - III	2020 - 2021	12.03.2021	0.09	Academic Processses / Research and Development
114	Dr.P.Anitha,AP/Physics	Synthesis of novel thiopene fused pyrazoline-thioyanantoethanone derivative: Spectral, DFT, Pharmacological, docking and in vitro antibacterial studies	TEQIP - III	2020 - 2021	12.03.2021	0.06	Academic Processses / Research and Development
115	Dr.R.Malayalamurthi/Principal	Tamil Nadu Startup and Innovation Mission	Innovate Tamil Nadu Lab	2022 - 2023	2022	53.37	
Total (INR in Lakhs)						139.82	