

E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

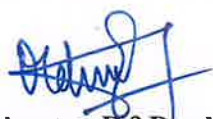
Research and Development Cell

List of faculty members provided with seed money

Academic Year 2021-2022

S.No	Name of the Faculty	Title of the project	Department of the Faculty	Project ID	Duration (in Year)	Sanctioned amount
1	N.Karthika	Analysis and design of slab for a residential building by using STAAD.PRO	CIVIL	SM/21-22/002	1	15000
2	S.Santhosh Kumar	Design of suspension bridge by STAAD Pro Analysis	CIVIL	SM/21-22/003	1	15000
3	B.Ashwini	An experimental study on strength and durability of concrete using partial replacement of cement with Nano silica	CIVIL	SM/21-22/004	1	35000
4	R.Gobinath	End to end food safety mechanism using IoT	CSBS	SM/21-22/005	1	50000
5	M. Priya	Sentiment analysis using facial expression and deep neural networks	CSE	SM/21-22/006	1	32000
6	N. Murali	Pothole detection using YOLO v3a deep learning approach	CSE	SM/21-22/007	1	17400
7	S.Senthil kumar	Design of automatic lighting system during night hours	ECE	SM/21-22/009	1	28000
8	T.Senthil kumar	Domestics using node MCU	ECE	SM/21-22/010	1	24350
9	R.Anandaraj	Soldiers tracking and health monitoring system using GPS and IOT	EEE	SM/21-22/012	1	52000
10	P.J.Suresh Babu	E-Waste 3D printer	EEE	SM/21-22/013	1	88450
11	V.Mohan	Design and Fabrication of Linear induction motor	EEE	SM/21-22/014	1	48950

12	R.Lavanya	Microarray-based cancer prediction using deep learning techniques	IT	SM/21-22/015	1	28000
13	S.Manikandan	Process of automated dam gate control system using IoT (disaster management)	IT	SM/21-22/016	1	25000
14	R. Anand Babu & R.Nagalakshmi	POTNET: Online potable water quality monitoring network for overhead water tanks in rural water supply schemes	IT	SM/21-22/017	1	20000
15	N. Manikandan	Analysis of dissimilar metal welding of SS316 and SS321	MECH	SM/21-22/018	1	23000
16	G.Sundaravadivel	An experimental analysis of mechanical properties of aluminium alloy with B4C metal matrix composite through stir casting	MECH	SM/21-22/019	1	17200
17	Dr.R.Karthi	Innovative Practices in Management Education In India	MBA	SM/21-22/020	1	5500
18	J.Vanitha & P.Arunkumar	Web based milk society management system	MCA	SM/21-22/022	1	11445
19	C.Mallika & S.Visalatchy	Insurance management system for agent	MCA	SM/21-22/023	1	18705
20	Dr S.Ponsadai Lakshmi	Pollution status of groundwater resources through Hydro chemical characteristics - A case study from Southern India	S & H	SM/21-22/025	1	20000
Total						575000



Director-R&D cell

Dr. EDWARD ANAND.E, M.Tech., Ph.D.,
Director-Research & Development,
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1	N.R. Vedha moorthy	Characteristics analysis of vehicle wash waste water using orange peel as adsorbent	CIVIL	SM/20-21/002	1	19000
2	N.Karthika	Experimental study on partial replacement of coarse aggregate by coconut shell and fine aggregate by glass powdered in concrete	CIVIL	SM/20-21/003	1	18000
3	M.Priya	Social distance monitoring using deep learning techniques	CSE	SM/20-21/006	1	25000
4	K.Kalaivani	Anonymous counting problem in trust level warning system for VANET.	CSE	SM/20-21/007	1	25000
5	A. Sundar Raj & M.Chinnadurai	Queuing model with improved delay sensitive medical packet transmission scheduling system in e-health networks	ECE & CSE	SM/20-21/008	1	30150
6	M. IrshadAhamed	Optical attenuation modelling of	ECE	SM/20-21/010	1	18850

		PbSe _x S _{1-x} quantum dots with Vegard's law and Brus equation use				
7	B.Naveen Antony	Speed regulated electric bicycle	EEE	SM/20-21/011	1	87000
8	K.Nandakumar	IoT based blind stick	EEE	SM/20-21/012	1	52250
9	K. Raju	Brain tumor detection using convolutional neural network	IT	SM/20-21/014	1	35000
10	S. Murugesh	Characterization of powder-based Al6024 composite with addition of Co alloy	MECH	SM/20-21/016	1	29500
11	Mr.S.K.Sudhan	Impact of COVID-19 on Indian Economy	MBA	SM/20-21/018	1	21000
12	A.Hema & S.Selvaganapathy	Inventory management system	MCA	SM/20-21/021	1	24505
13	P.Arunkumar & S.Visalatchy	Medicine portal	MCA	SM/20-21/022	1	13745
14	E.Edward Anand.	On the Corrosion behaviour of 4A and 5A cast duplex stainless steel under different heat treatment conditions	S&H	SM/20-21/023	1	17000
Total						416000


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Academic Year 2019-2020

S.No	Name of the Faculty	Title of the project	Department of the Faculty	Project ID	Duration (in Year)	Sanctioned amount
1	B.Prathish Raaja	Premature baby monitoring system	BME	SM/19-20/001	1	110000
2	V.Balasubramani	Performance of cement mortar with addition of rice bran	CIVIL	SM/19-20/002	1	34000
3	S.ShyamSundar	Removal of micro algae using rice straw in stored water	CIVIL	SM/19-20/004	1	32000
4	B.V.Ranjani	Smart ambulance approach alarm system using smartphone	CSE	SM/19-20/008	1	36000
5	M. IrshadAhamed	Studies on cu2sns3 quantum dots for o-band wavelength detection	ECE	SM/19-20/009	1	32000
6	A. Sundar Raj & M.Chinnadurai	Multiple input and multiple output and energy-aware peering routing protocol for energy consumption in sensor networks	ECE & CSE	SM/19-20/011	1	35100
7	P.J.Suresh babu	Railway track fault detection system	EEE	SM/19-20/013	1	43420
8	M. Vijayakumar	Design of office electrical apparatus control and power saving method by IR remote	EEE	SM/19-20/014	1	36200
9	R. Anand Babu	IoT enabled online child monitoring	IT	SM/19-20/015	1	33000

		system using wireless sensor network				
10	A. Arunkumar	Shock absorber for impeller assembly in fiber boat	MECH	SM/19-20/016	1	25000
11	J.Jeevamalar	Experimental investigation of Tungsten powder mixed electro discharge drilling of Inconel 718 super alloy for aerospace applications	MECH	SM/19-20/017	1	25000
12	J.Vanitha	Hostel management system	MCA	SM/19-20/020	1	29280
13	S.Tharani	Intuitionist fuzzy soft digraph in road safety measures	S&H	SM/19-20/023	1	20000
Total						494000



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Academic Year 2018-2019

S.No	Name of the Faculty	Title of the project	Department of the Faculty	Project ID	Duration (in Year)	Sanctioned amount
1	P.Malliga	Experimental investigation of glass fiber	CIVIL	SM/18-19/001	1	28000
2	A.Baskar	Drivable region and lane detection system for autonomous vehicle navigation.	CSE	SM/18-19/004	1	24800
3	M. Irshad Ahamed	Modeling of electronic and optical properties of Cu ₂ SnS ₃ quantum dots for optoelectronics applications	ECE	SM/18-19/005	1	28800
4	V. Sathiya & M. Chinnadurai	Evolutionary algorithms-based multi-objective optimal mobile robot trajectory planning	ECE & CSE	SM/18-19/008	1	25800
5	T. Suresh Padmanabhan	Arduino based control of substation equipments	EEE	SM/18-19/010	1	21000
6	G.Ganesan @ Subramanian	Design and implementation of Drainage cleaning robot for eco-green environment	EEE	SM/18-19/012	1	26800
7	G.Gurumoorthi	High temperature oxidation behavior of P91 material	MECH	SM/18-19/014	1	18800

8	L.Aarthi	The Impact of Labour Welfare Measures on Employee Satisfaction	MBA	SM/18-19/016	1	25600
9	J.Vanitha & C.Mallika	Online booking and bus tracking system	MCA	SM/18-19/018		19600
10	N.Moorthy	Structural and theoretical studies on some organic nonlinear optical crystals	S&H	SM/18-19/014	1	18800
Total						238000

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Academic Year 2017-2018

S.No	Name of the Faculty	Title of the project	Department of the Faculty	Project ID	Duration (in Year)	Sanctioned amount
1	R.Neelaveni	Utilization of non-recycled plastic waste in concrete paver block	CIVIL	SM/18-19/001	1	5000
3	E.Venkatesan	Manufacturing of fly ash bricks using lime and gypsum	CIVIL	SM/18-19/003	1	5000
4	A.Appavu@Balamurugan	Garbage Monitoring management using Embedded technologies.	CSE	SM/18-19/004	1	5000
6	S.Praveen Kumar	Student Identification using biometric	CSE	SM/18-19/006	1	5000
8	V. Elavarasi	Solar wheel chair	ECE	SM/18-19/008	1	5000
10	T. Suresh Padmanabhan	IoT based irrigation pump control and monitoring	EEE	SM/18-19/010	1	5000
12	N. Ramanujam	An experimental analysis of tribological behaviour of SiC reinforced AZ91 composite fabricated through diffusion bonding	MECH	SM/18-19/012	1	5000
15	Ms.P.Vinotha	Quality of work life	MBA	SM/18-19/015	1	5000
17	C. Mallika	Computerized Muslim jamath	MCA	SM/18-19/017	1	5000

20	S.Ponsadai Lakshmi	Evaluation of water quality suitability for drinking using drinking water quality index in Nagapattinam district, Tamil Nadu in Southern India	S&H	SM/18- 19/020	1	5000
Total						50000



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