

# 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)

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## Research and Development Cell

Ref. No: EGSPEC/R&D/2021-2022/SEED MONEY/CIR-03

Date: 16-08-2021

### Circular

Sub: EGSPEC/R&D/2021-2022/SEED MONEY/CIR-01- Approval Intimation-reg.

With respect to the seed money scheme, we are pleased to inform that the following projects are selected based on novelty and usefulness of the theme of the project. The corresponding faculties are provided with the seed money by our Management for the academic year 2021-2022. Kindly ensure adherence to the terms and conditions.

S.No	Name of the Faculty	Title of the project	Department of the Faculty	Project ID	Sanctioned amount
1	N.Karthika	Analysis and design of slab for a residential building by using STAAD.PRO	CIVIL	SM/21-22/002	15000
2	S.Santhosh Kumar	Design of suspension bridge by STAAD Pro Analysis	CIVIL	SM/21-22/003	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	35000
4	R.Gobinath	End to end food safety mechanism using IoT	CSBS	SM/21-22/005	50000
5	M. Priya	Sentiment analysis using facial expression and deep neural networks	CSE	SM/21-22/006	32000
6	N. Murali	Pathole detection using YOLO v3a deep learning approach	CSE	SM/21-22/007	17400
7	S.Senthil kumar	Design of automatic lighting system during night hours	ECE	SM/21-22/009	28000
8	T.Senthil kumar	Domestics using node MCU	ECE	SM/21-22/010	24350
9	R.Anandaraj	Soldiers tracking and health monitoring system using GPS and IOT	EEE	SM/21-22/012	52000

10	P.J.SureshBabu	E-Waste 3D printer	EEE	SM/21-22/013	88450
11	V.Mohan	Design and Fabrication of Linear induction motor	EEE	SM/21-22/014	48950
12	R.Lavanya	Microarray-based cancer prediction using deep learning techniques	IT	SM/21-22/015	28000
13	S.Manikandan	Process of automated dam gate control system using IoT (disaster management )	IT	SM/21-22/016	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	20000
15	N. Manikandan	Analysis of disimilar metal welding of SS316 and SS321	MECH	SM/21-22/018	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	17200
17	Dr.R.Karthi	Innovative Practices in Management Education In India	MBA	SM/21-22/020	5500
18	J.Vanitha&P.Arunkumar	Web based milk society management system	MCA	SM/21-22/022	11445
19	C.Mallika&S.Visalatchy	Insurance management system for agent	MCA	SM/21-22/023	18705
20	Dr S.Ponsadai Lakshmi	Pollution status of groundwater resources through Hydrochemical characteristics - A case study from Southern India	S & H	SM/21-22/025	20000
<b>Total</b>					<b>575000</b>



**Director-R&D cell**

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## **Research and Development Cell**

**Ref. No: EGSPEC/R&D/2020-2021/SEED MONEY/CIR-03**

**Date: 12-08-2020**

### **Circular**

**Sub: EGSPEC/R&D/2020-2021/SEED MONEY/CIR-01- Approval Intimation-reg.**

With respect to the seed money scheme, we are pleased to inform that the following projects are selected based on novelty and usefulness of the theme of the project. The corresponding faculties are provided with the seed money by our Management for the academic year 2020-2021. Kindly ensure adherence to the terms and conditions.

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Title of the project</b>	<b>Department of the Faculty</b>	<b>Project ID</b>	<b>Sanctioned amount</b>
1	N.R. Vedhamoorthy	Characteristics analysis of vehicle wash waste water using orange peel as adsorbent	CIVIL	SM/20-21/002	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	18000
3	M.Priya	Social distance monitoring using deep learning techniques	CSE	SM/20-21/006	25000
4	K.Kalaivani	Anonymous counting problem in trust level warning system for VANET.	CSE	SM/20-21/007	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	30150
6	M. IrshadAhamed	Optical attenuation modelling of PbSe <sub>x</sub> S <sub>1-x</sub> quantum dots with Vegard's law and Brus equation use	ECE	SM/20-21/010	18850
7	B.Naveen Antony	Speed regulated electric bicycle	EEE	SM/20-21/011	87000
8	K.Nandakumar	IoT based blind stick	EEE	SM/20-21/012	52250
9	K. Raju	Brain tumor detection using convolutional neural network	IT	SM/20-21/014	35000
10	S. Murugesh	Characterization of powder-based Al6024 composite with addition of Co alloy	MECH	SM/20-21/016	29500
11	Mr.S.K.Sudhan	Impact of COVID-19 on Indian Economy	MBA	SM/20-21/018	21000
12	A.Hema&S.Selvaganapathy	Inventory management system	MCA	SM/20-21/021	24505
13	P.Arunkumar&S.Visalatchy	Medicine portal	MCA	SM/20-21/022	13745
14	E.EdwardAnand.	On the Corrosion behaviour of 4A and 5A cast duplex stainless steel under different heat treatment conditions	S&H	SM/20-21/023	17000
<b>Total</b>					<b>416000</b>



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## **Research and Development Cell**

**Ref. No: EGSPEC/R&D/2019-2020/SEED MONEY/CIR-03**

**Date: 14-08-2019**

### **Circular**

**Sub: EGSPEC/R&D/2019-2020/SEED MONEY/CIR-01- Approval Intimation-reg.**

With respect to the seed money scheme, we are pleased to inform that the following projects are selected based on novelty and usefulness of the theme of the project. The corresponding faculties are provided with the seed money by our Management for the academic year 2019-2020. Kindly ensure adherence to the terms and conditions of our college.

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Title of the project</b>	<b>Department of the Faculty</b>	<b>Project ID</b>	<b>Sanctioned amount</b>
1	A.Sundar Raj	Premature baby monitoring system	BME	SM/19-20/001	110000
2	V.Balasubramani	Performance of cement mortar with addition of rice bran	CIVIL	SM/19-20/002	34000
3	S.ShyamSundar	Removal of micro algae using rice straw in stored water	CIVIL	SM/19-20/004	32000
4	B.V.Ranjani	Smart ambulance approach alarm system using smartphone	CSE	SM/19-20/008	36000
5	M. IrshadAhamed	Studies on cu2sns3 quantum dots for o-band wavelength detection	ECE	SM/19-20/009	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	35100
7	P.J.Sureshbabu	Railway track fault detection system	EEE	SM/19-20/013	43420
8	M. Vijayakumar	Design of office electrical apparatus control and power saving method by IR remote	EEE	SM/19-20/014	36200

9	R. AnandBabu	Iot enabled online child monitoring system using wireless sensor network	IT	SM/19-20/015	33000
10	A. Arunkumar	Shock absorber for impeller assembly in fiber boat	MECH	SM/19-20/016	25000
11	J.Jeevamalar	Experimental investigation of Tungston powder mixed electro discharge drilling of Inconel 718 superalloy for aerospace applications	MECH	SM/19-20/017	25000
12	J.Vanitha	Hostel management system	MCA	SM/19-20/020	29280
13	S.Tharani	Intuitionist fuzzy soft digraph in road safety measures	S&H	SM/19-20/023	20000
<b>Total</b>					<b>491000</b>



**Director-R&D cell**

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## Research and Development Cell

Ref. No: EGSPEC/R&D/2018-2019/SEED MONEY/CIR-03

Date: 08-08-2018

### Circular

#### Sub: EGSPEC/R&D/2018-2019/SEED MONEY/CIR-01- Approval Intimation-reg.

With respect to the seed money scheme, we are pleased to inform that the following projects are selected based on novelty and usefulness of the theme of the project. The corresponding faculties are provided with the seed money by our Management for the academic year 2018-2019. Kindly ensure adherence to the terms and conditions of our college.

S.No	Name of the Faculty	Title of the project	Department of the Faculty	Project ID	Sanctioned amount
1	P.Malliga	Experimental investigation of glass fiber	CIVIL	SM/18-19/001	28000
2	A.Baskar	Drivable region and lane detection system for autonomous vehicle navigation.	CSE	SM/18-19/004	24800
3	M. Irshad Ahamed	Modelling of electronic and optical properties of Cu <sub>2</sub> SnS <sub>3</sub> quantum dots for optoelectronics applications	ECE	SM/18-19/005	28800
4	V. Sathiya & M. Chinnadurai	Evolutionary algorithms-based multi-objective optimal mobile robot trajectory planning	ECE & CSE	SM/18-19/008	25800
5	T. Suresh Padmanabhan	Arduino based control of substation equipment	EEE	SM/18-19/010	21000
6	G.Ganesan @ Subramanian	Design and implementation of Drainage cleaning robot for eco-green environment	EEE	SM/18-19/012	26800
7	G.Gurumoorthi	High temperature oxidation behaviour of P91 material	MECH	SM/18-19/014	18800
8	L.Aarthi	The Impact of Labour Welfare Measures on Employee Satisfaction	MBA	SM/18-19/016	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	18800
<b>Total</b>					<b>238000</b>



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## Research and Development Cell

Ref. No: EGSPEC/R&D/2017-2018/SEED MONEY/CIR-03

Date: 10-08-2017

### Circular

**Sub: EGSPEC/R&D/2017-2018/SEED MONEY/CIR-01- Approval Intimation-reg.**

With respect to the seed money scheme, we are pleased to inform that the following projects are selected based on novelty and usefulness of the theme of the project. The corresponding faculties are provided with the seed money of Rs. 5,000/-project by our Management for the academic year 2017-2018. Kindly ensure adherence to the terms and conditions of our college.

S.No	Name of the Faculty	Title of the project	Department of the Faculty	Project ID	Sanctioned amount
1	R.Neelaveni	Utilization of non-recycled plastic waste in concrete paver block	CIVIL	SM/18-19/001	5000
3	E.Venkatesan	Manufacturing of fly ash bricks using lime and gypsum	CIVIL	SM/18-19/003	5000
4	A.Appavu@Balamurugan	Garbage Monitoring management using Embedded technologies.	CSE	SM/18-19/004	5000
6	S.Praveen Kumar	Student Identification using biometric	CSE	SM/18-19/006	5000
8	V. Elavarasi	Solar wheel chair	ECE	SM/18-19/008	5000
10	T. Suresh Padmanabhan	IoT based irrigation pump control and monitoring	EEE	SM/18-19/010	5000

12	N. Ramanujam	An experimental analysis of tribological behavior of SiC reinforced AZ91 composite fabricated through diffusion bonding	MECH	SM/18-19/012	5000
15	Ms.P.Vinotha	Quality of work life	MBA	SM/18-19/015	5000
17	C. Mallika	Computerized muslimjamath	MCA	SM/18-19/017	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	5000
<b>Total</b>					<b>50000</b>

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