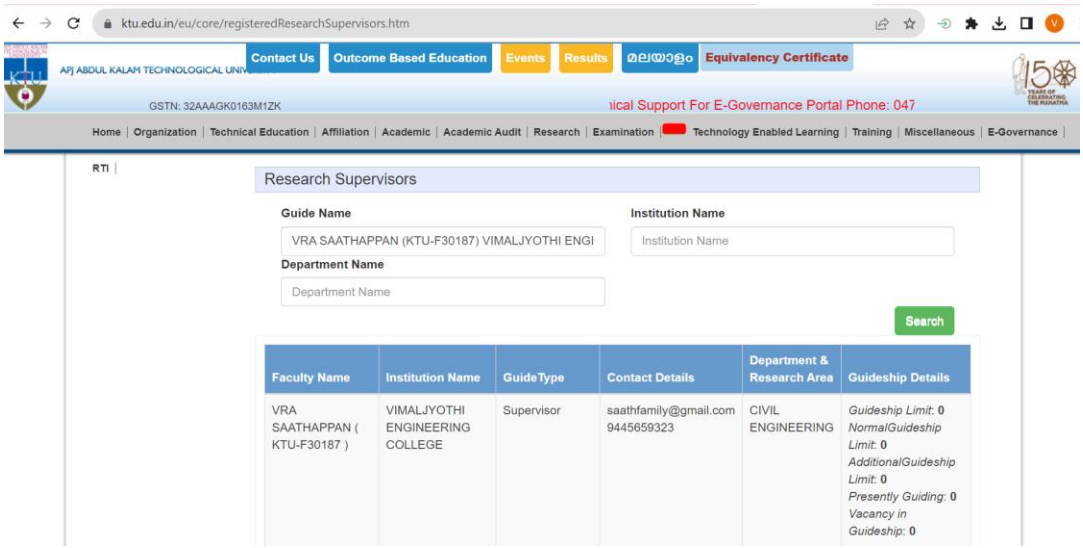
Number of teachers recognized as guides during the years.

S.No	Name of the Faculty	Department	Designation	University
1	Prof.Dr.Vra.Saathappan	CE	Professor	KTU , Kerala
2	Dr. Anto Sahaya Dhas	ECE	Professor	KTU , Kerala
3	Dr.R.Senthilkumar	EEE	Professor	KTU , Kerala
4	Dr.G.Justin Sunil Dhas	EEE	Professor	KTU , Kerala
5	Dr.Chiristobher Ezhil Singh	ME	Professor	KTU , Kerala
6	Dr.P.Sridharan	ME	Professor	KTU-Kerala,
7	Dr.Roshini	ECE	Professor	KTU , Kerala
8	Dr.Sreekanth M P	ME	Asst. Professor	KTU , Kerala
9	Dr.Reema Mathew	ECE	Asso. Professor	KTU , Kerala
10	Dr.Manoj v Thomas	CSE	Professor	KTU , Kerala
11	Dr, Jayesh George	ECE	Asso. Professor	KTU , Kerala
12	Dr. Jeethu V. Devasia	CSE	Professor	KTU

Prof.Dr.Vra.Saathappan

https://ktu.edu.in/eu/core/registeredResearchSupervisors.html



Dr. Anto Sahaya Dhas

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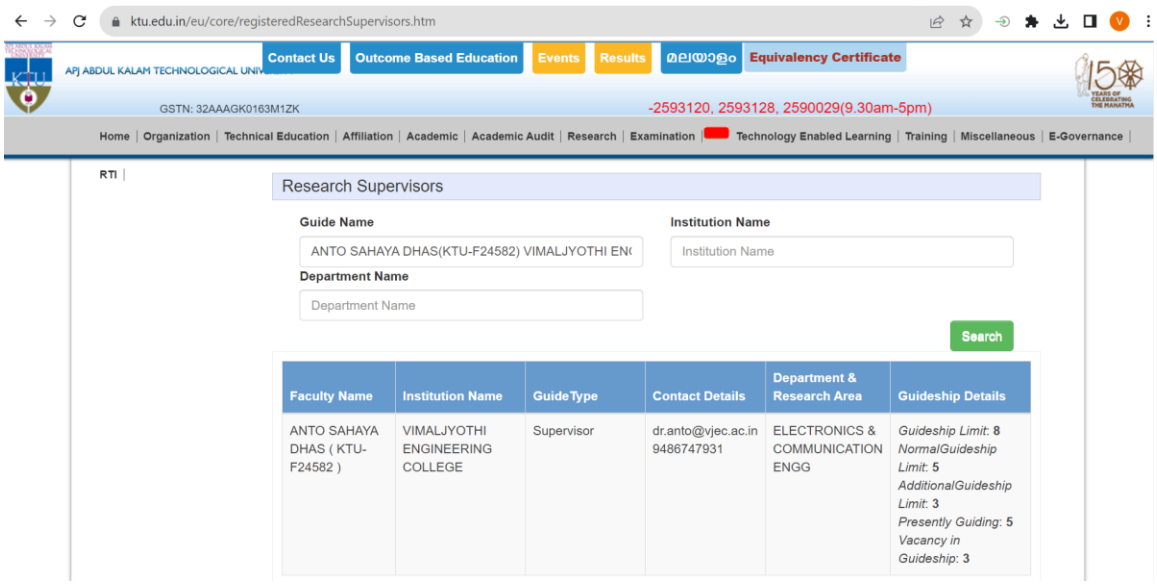
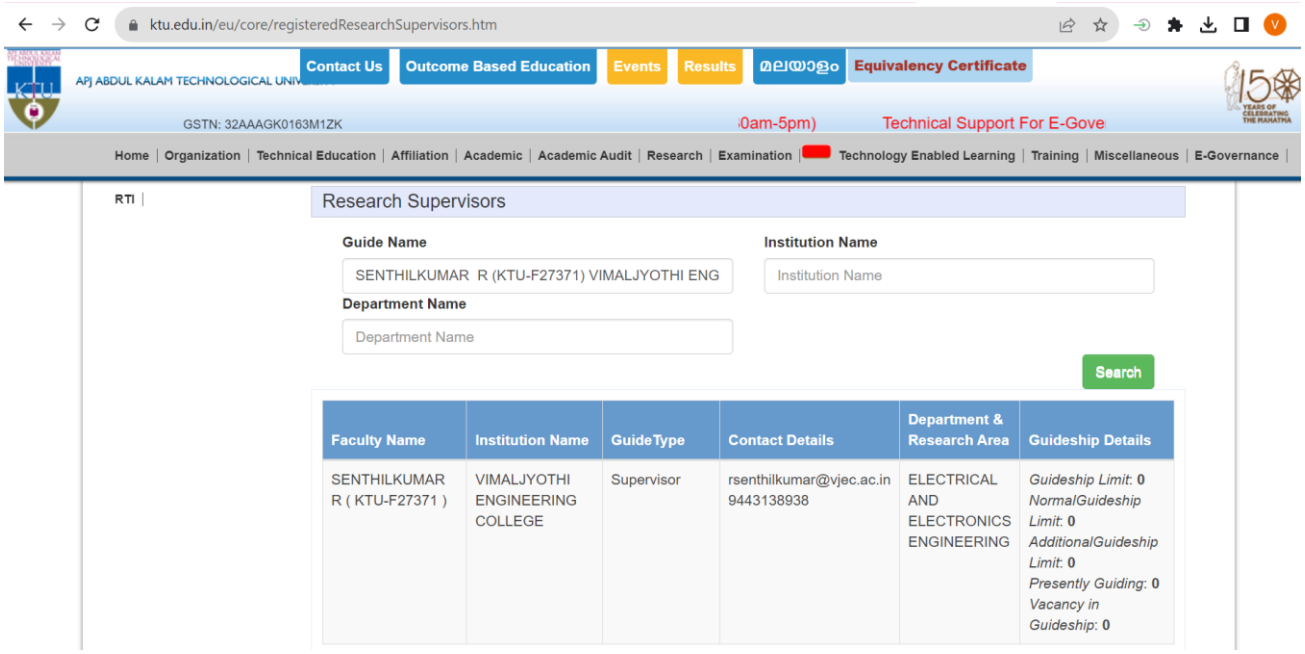


Dr.R.Senthilkumar



Dr.G.Justin Sunil Dhas

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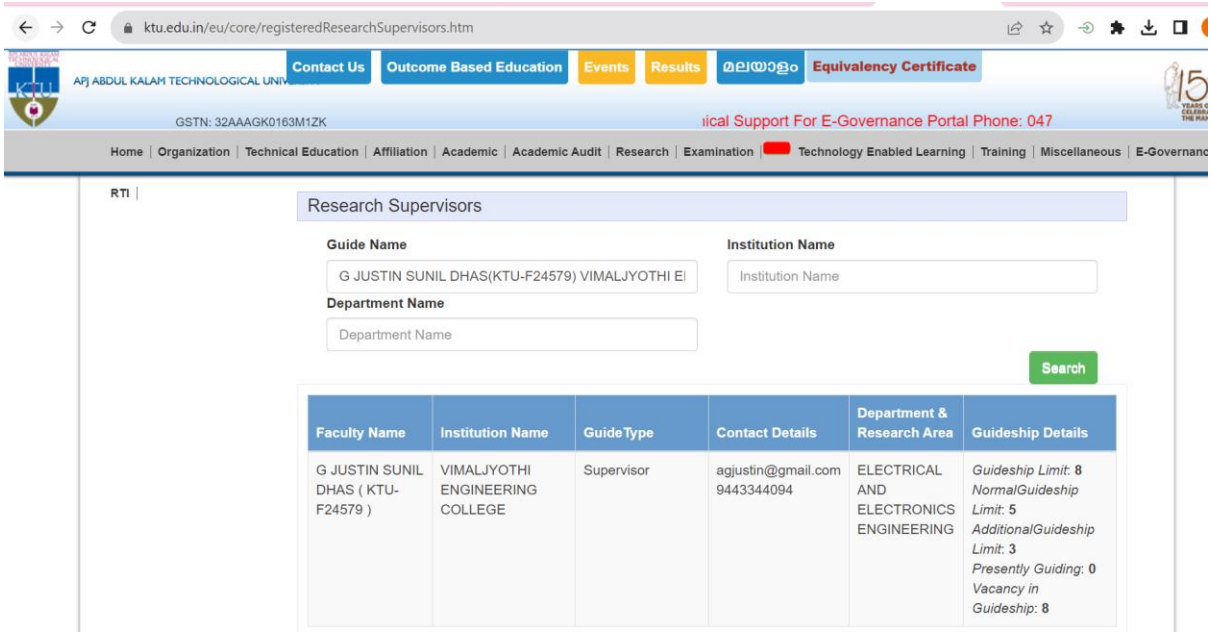
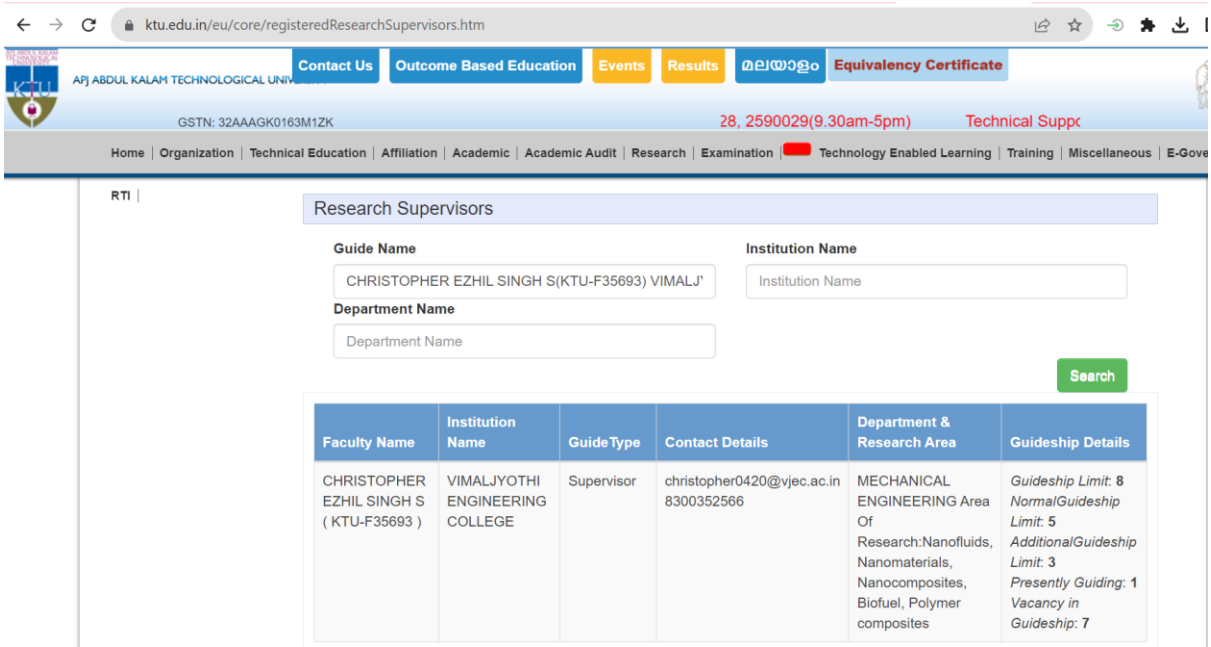


Dr.Chiristobher Ezhil Singh



Dr.P.Sridharan

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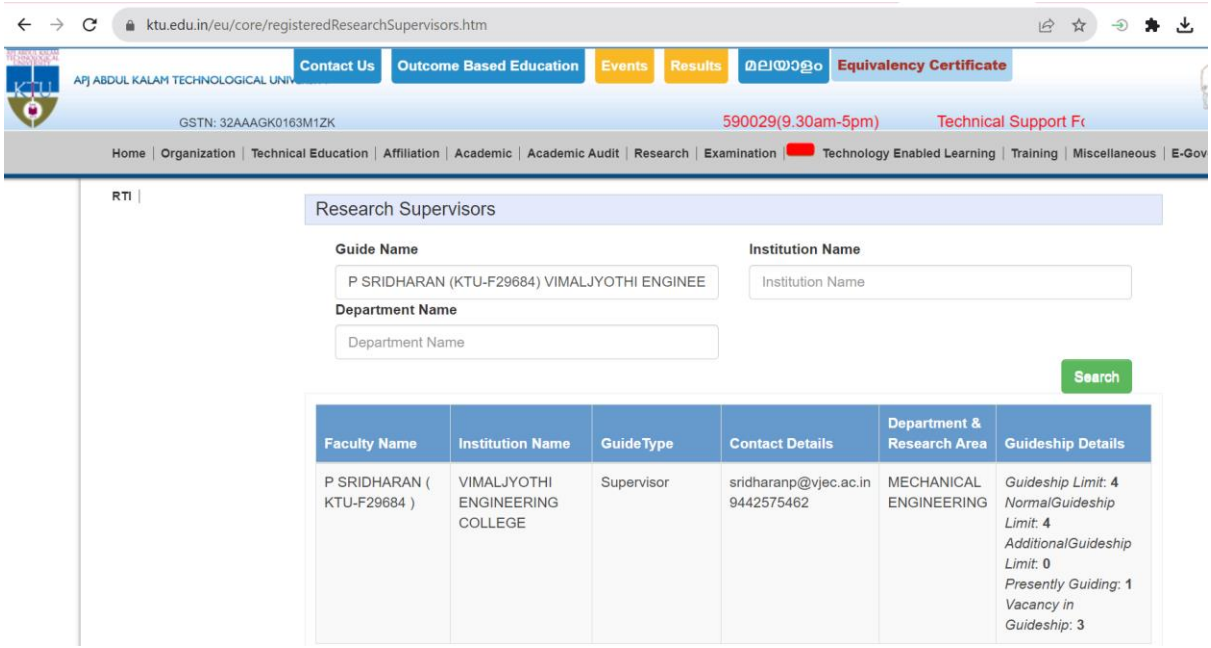
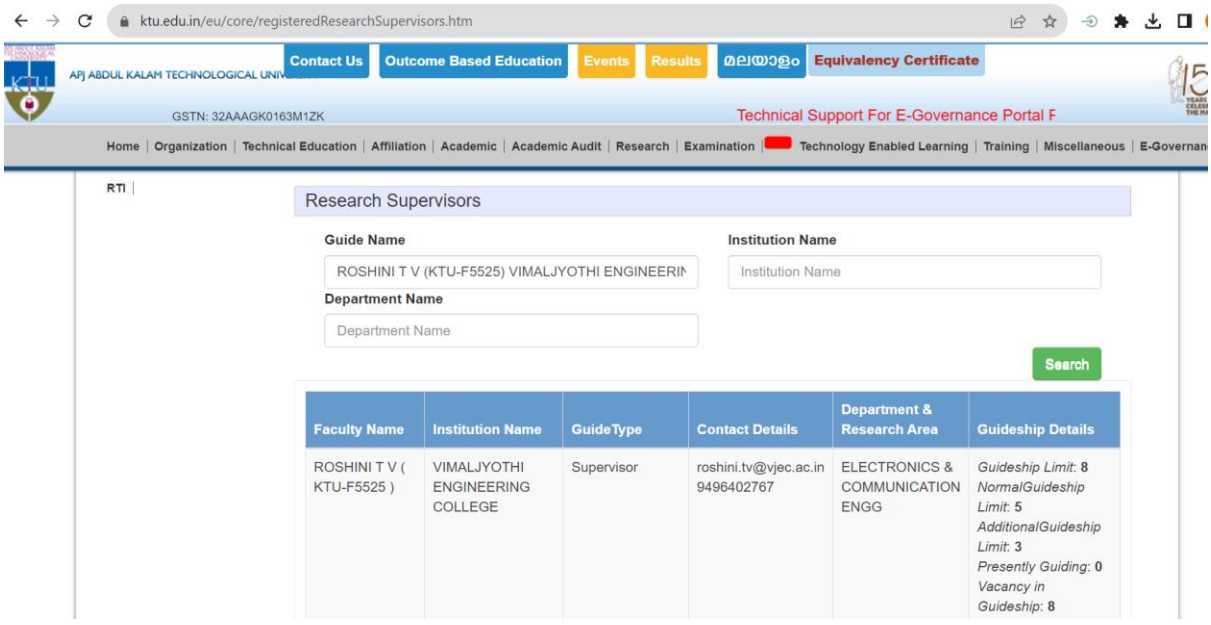


Dr.Roshini T. V



Dr.Sreekanth M P

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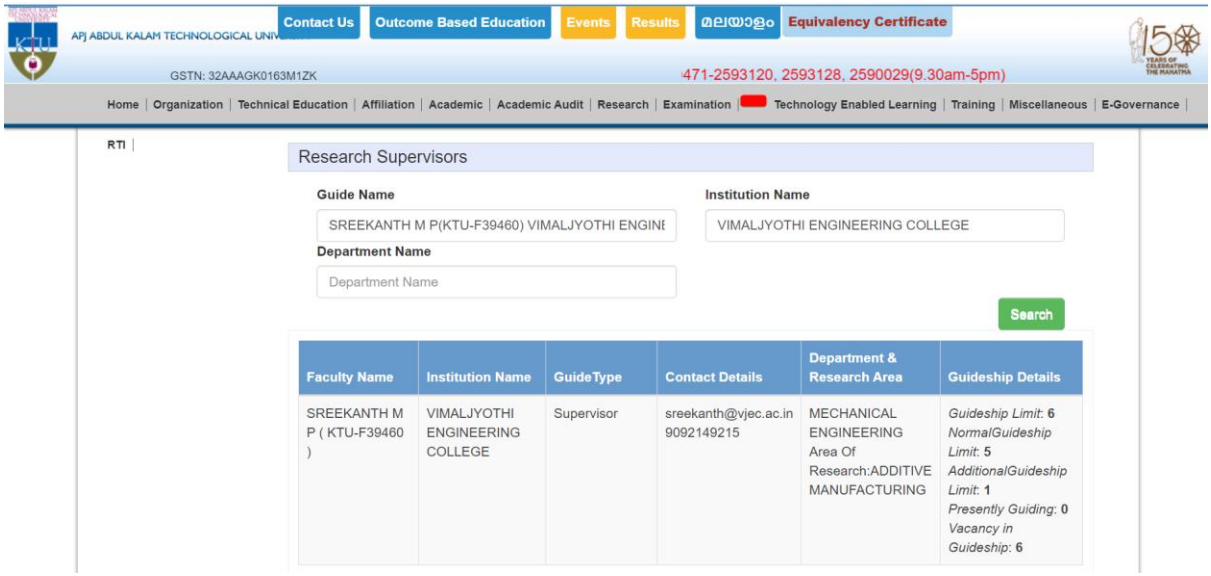
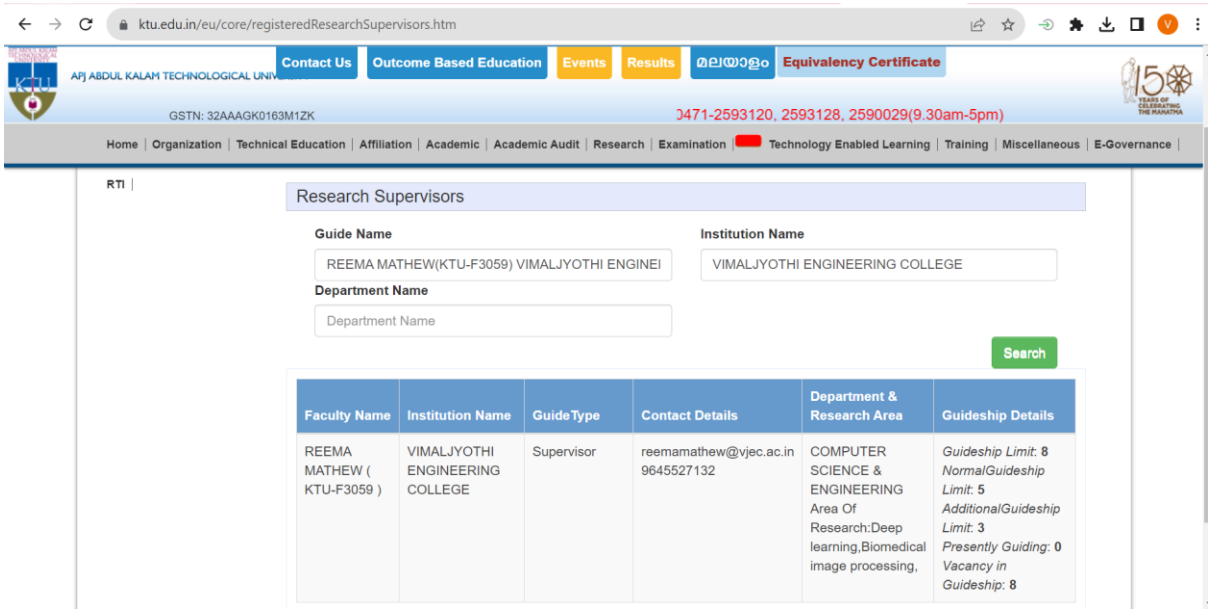


Dr.Reema Mathew



Dr.Manoj V Thomas

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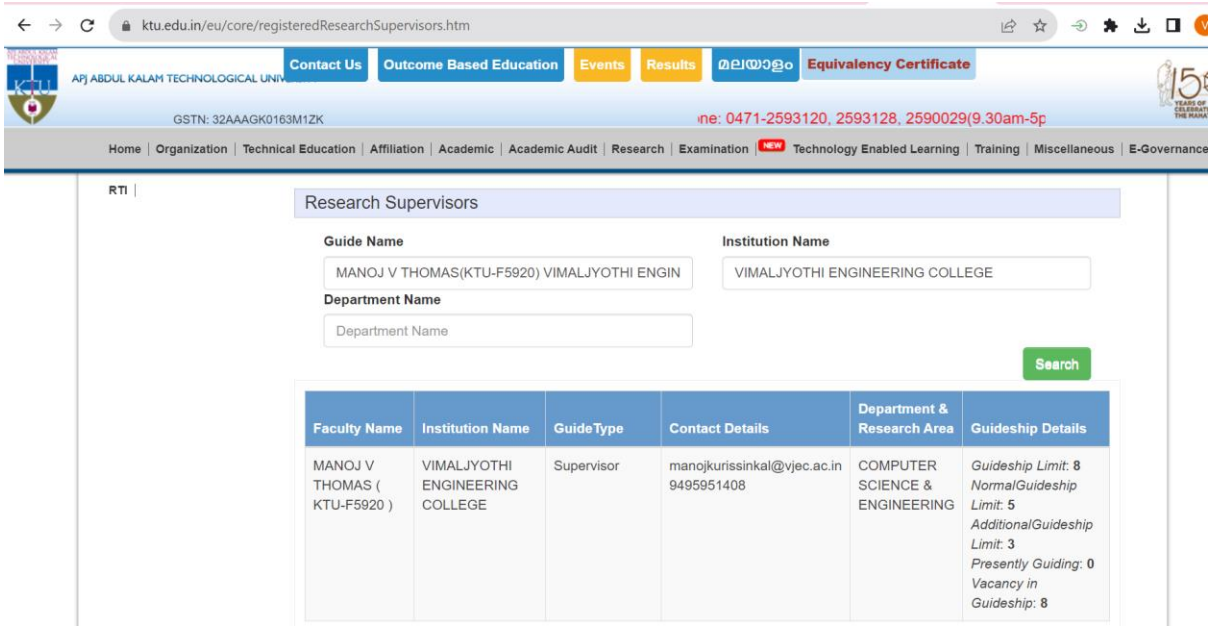
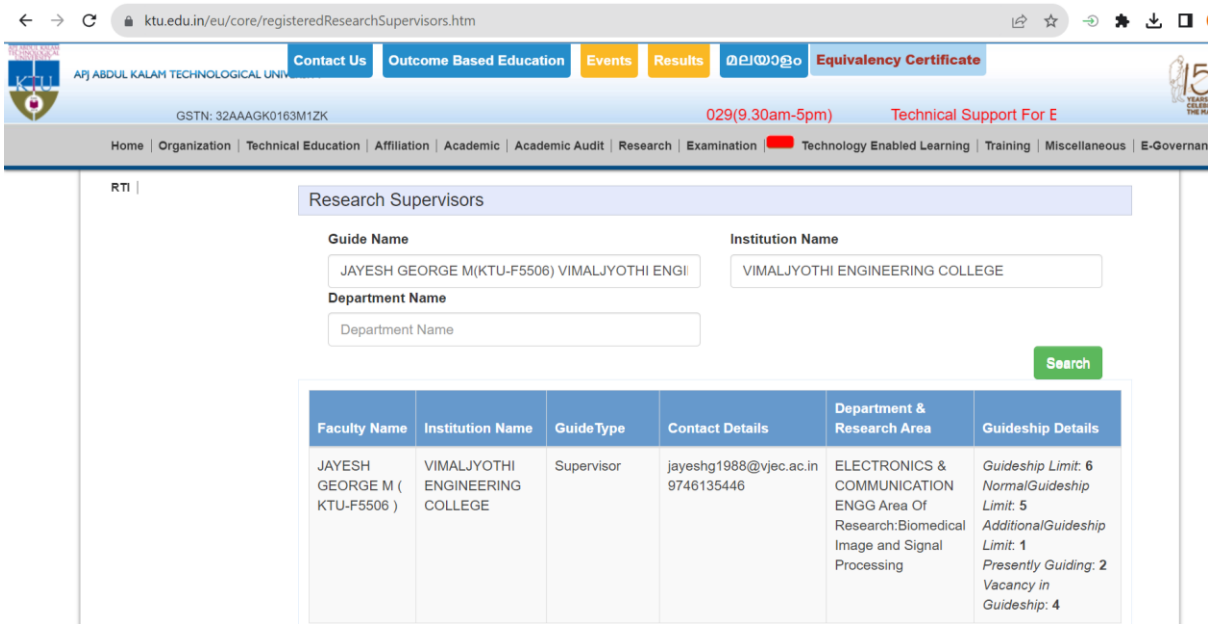
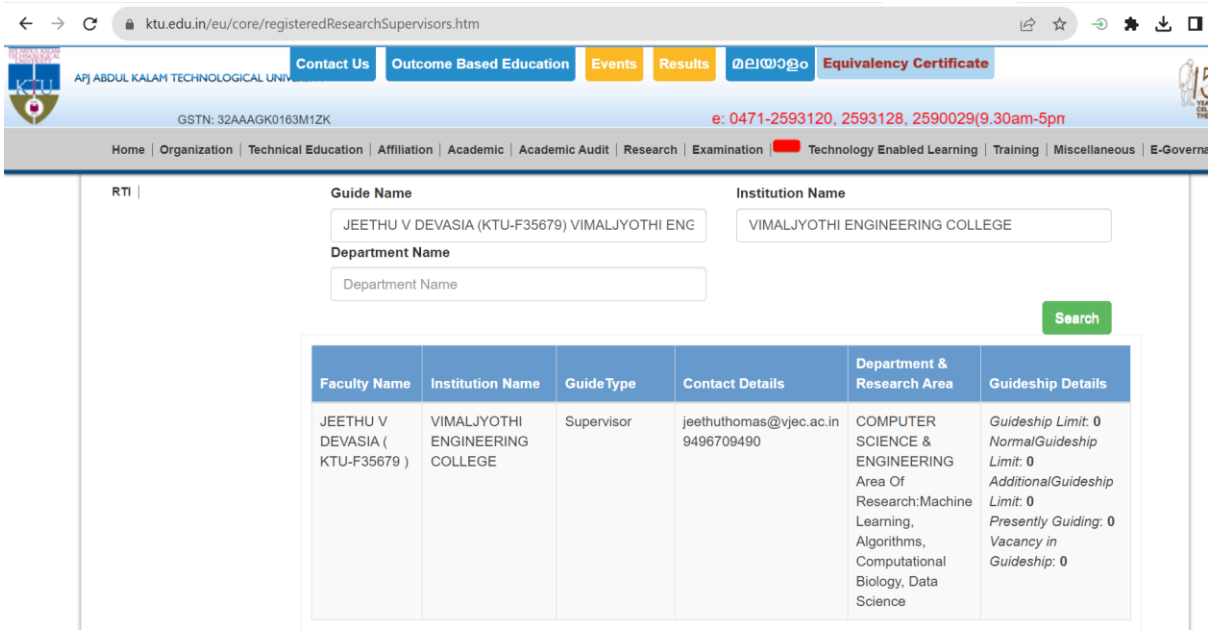


Dr, Jayesh George



Dr. Jeethu V. Devasia



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S.No	Title of paper	Name of the author/s	Department of the Teacher	Name of journal (Full name of journal)	Year of publication	ISSN number	Link to article/paper/abstract of the article	Is it listed in UGC Care list/Scopus/Web of Science/other, mention
2018-19								
1	A Feasibility Study On C-RAN	Dr. Anto Sahaya Dhas	ECE	MAT Journals Pvt. Ltd.	2018		http://doi.org/10.5281/zenodo.1492961	_
2	Micro-calcification Detection In Digital Mammogram	Jayesh George	ECE	MAT Journals Pvt. Ltd.	2018		http://doi.org/10.5281/zenodo.1490326	_
3	An improved classification system for brain tumours using wavelet transfor and neural network	Dr. Anto Sahaya Dhas	ECE	University of the West Indies	2018	2309-5830 (ISSN)	10.7727/wimj.2015.169	SCIE
4	Epilepsy deteection based on EEG signals	Adarsh k S	ECE	MAT Journals Pvt. Ltd.	2018		http://doi.org/10.5281/zenodo.1488874	_
5	A Critical analysis on the evolution in the E-payment system ,security risk threats and vulnerability	Jerrin Yomas	ECE	FOUNDATION OF COMPUTER SCIENCE	2018	2394-4714(ISSN)	10.5120/cae2018652800	_
6	Metamaterial patch antenna with PBG structure to reduce surface wave	Manoj K C	ECE	Institute for Technology and Research, Bhubaneswar, India	2018	2320-2084 e	_	_
7	ELM Based Detection of Microcalcification in Mammogram using GLCM Features	Jayesh George	ECE	WILEY	2018		EID: 2- s2.0-85067901380	SCOPUS
8	A Hybridized ELM for Automatic Micro Calcification Detection in Mammogram Images Based on Multi-Scale Features	Jayesh George Melekoodappattu	ECE	SPRINGER	2018		10.1007/s10916-019-1316-3	SCIE & SCOPUS
9	Emerging Techniques and Trends in DNA Cryptography	Ms. Akhila Mathew	CSE	STM Journal	2019	ISSN: 2229-6964 (Online) ISSN: 2347-7229 (Print)		UGC
10	Survey on Static and Dynamic Hand Gesture Recognition Techniques	Ms.Keerthijith P	CSE	IJSR	2019	2319-7064		UGC
11	ELM Based Detection of Microcalcification in Mammogram using GLCM Features	Mr.Jayesh George	ECE	International Journal of Recent Technology and Engineering	2019	2277-3878		SCOPUS
12	Experimental analysis and effects of Gasoline as an additive in Compression Ignition Engine	Appu Kurian, Rameshan K	ME	IJITEE	2019	ISSN: 2278-3075, DOI: 10.35940/ijitee.19640.0881019		SCOPUS
13	Modeling of a Gasifier Using Cycle-Tempo for SOFC Applications	Dr.John T D	ME	AIP Conference Proceeding	2019	doi.org/10.1063/1.5120206		SCOPUS
14	Biomass Densification of Ahl Powder Mechanical Properties Using RSM	Dr.Christopher Ezhil singh	ME	Interciencia Journal	2019	ISSN:0378-1844		UGC
15	Thermal Degradation On Biomass Briquettes Of Artocarphus Heterophyllus Leaf Powder	Dr.Christopher Ezhil singh	ME	Interciencia Journal	2019	ISSN:0378-1844		UGC
16	Grid frequency regulation by hybrid system using energy storage system	Dr.P.Sridharan	ME	Indian Journal of Power and River Valley Development	2019	ISSN: 0019-5537		UGC
17	A Hybridized ELM for Automatic Micro Calcification Detection in Mammogram Images Based on Multi-Scale Features	Mr.Jayesh George	ECE	Journal of Medical Systems	2019	1573-689X		SCIE
18	Automatic diagnosis of diabetic retinopathy with the aid of adaptive average filtering with optimized deep convolutional neural network	Dr.Roshini T V , Ms.Reema Mathew	ECE	International Journal of imaging and system technology	2019	DOI: 10.1002/ima.22419DOI: 1		SCIE
	A novel design for PV integrated buck converter using MPPT and sub MPPT	Dr.G.Glan Devadhas	AEI	Journal of Advanced Research in Dynamical and Control SystemsVolume 10, Issue 8, Pages 28 - 36, 2018	_	_018		

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	Analysis of ph neutralization using ANFIS based queuing algorithm	Dr.G.Glan Devadhas	AEI	Journal of Advanced Research in Dynamical and Control SystemsVolume 11, Issue 6 Special Issue, Pages 1610 - 1617, 2019	2019			
19	Fractional order controller design for SEPIC converter using metaheuristic algorithm	Dr.R.Senthilkumar, Dr.G.Justin Sunil Dhas	EEE	Journal of Intelligent & Fuzzy System	2019	1064-1246		SCIE
20	Watermarking Schemes for High Security with Applications and Attacks: Research Challenges and Open Issues,	Dr.G.Glan Devadhas	AEI	International Journal of Recent Technology and Engineering (IJRTE)	2019	2277-3878		SCOPUS
21	Corrosion rate of Al-Si Alloy Reinforced with B4C Nanoparticle prepared by Powder Metallurgy Method using RSM ,	Dr.G.Glan Devadhas	AEI	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2278-3075		SCOPUS
22	Development of an Adaptive PID Controller for a Nonlinear Process	Dr.G.Glan Devadhas	AEI	International Journal of Applied Engineering Research	2019	0973-4562		SCOPUS
25	MICROGRIDS -A FUTURE SMART GRID DESIGN	Dr.G.Justin Sunil Dhas	EEE	Journal of Power Electronics and Devices	2018			
	Brain tumor detection and segmentation using a wrapper based genetic algorithm for optimized feature set	Dr.G.Glan Devadhas	AEI	Springer Cluster Computing volume 22, pages13369–13380 (2019)	2018	ISSN 1386-7857		SCIE
				2019-20				
1	Emerging Techniques and Trends in DNA Cryptography	Ms. Akhila Mathew	CSE	STM Journal	2019	ISSN: 2229-6964 (Online) ISSN: 2347-7229 (Print)	https://computerjournals.stmjournals.in/index.php/JoCTA/article/view/601	UGC
2	Survey on Static and Dynamic Hand Gesture Recognition Techniques	Ms.Keerthijith P	CSE	IJSR	2019	2319-7064	https://www.ijsr.net/archive/v8i4/ART20196946.pdf	UGC
3	A Hybridized ELM for Automatic Micro Calcification Detection in Mammogram Images Based on Multi-Scale Features	Mr.Jayesh George	ECE	Journal of Medical Systems	2019	0148-5598	https://link.springer.com/article/10.1007/s10916-019-1316-3	SCOPUS / SCI(E)
4	Experimental analysis and effects of Gasoline as an additive in Compression Ignition Engine	Appu Kurian, Rameshan K.P, Ryne P.M	ME	IJITEE	2019	ISSN: 2278-3075, DOI: 10.35940/ijitee.19640.0881019	https://www.ijitee.org/wp-content/uploads/papers/v8i10/J96400881019.pdf	SCOPUS
5	Modeling of a Gasifier Using Cycle-Tempo for SOFC Applications	Dr.John T D	ME	AIP Conference Proceeding	2019	doi.org/10.1063/1.5120206	https://doi.org/10.1063/1.5120206	SCOPUS
6	Biomass Densification of Ahl Powder Mechanical Properties Using RSM	Dr.Christopher Ezhil singh S,	ME	Interciencia Journal	2019	ISSN:0378-1844	https://www.researchgate.net/publication/344363387_BIOMASS_DENSIFICATION_OF_AHL_POWDER_MECHANICAL_PROPERTIES_USING_RSM	SCIE
7	Thermal Degradation On Biomass Briquettes Of Artocarphus Heterophyllus Leaf Powder	Dr.Christopher Ezhil singh S,	ME	Interciencia Journal	2019	ISSN:0378-1844	https://www.researchgate.net/profile/Christopher-Ezhil-Singh-Sreedharan/publication/344363508_THERMAL_DEGRADATION_ON_BIOMASS_BRIQUETTES_OF_ARTOCARPHUS_HETEROPHYLLUS_LEAF_POWDER/links/5f6c7e48299bf1b53eeddc4a/THERMAL-DEGRADATION-ON-BIOMASS-BRIQUETTES-OF-ARTOCARPHUS-HETEROPHYLLUS-LEAF-POWDER.pdf	SCIE
8	Grid frequency regulation by hybrid system using energy storage system	Dr.P.Sridharan	ME	Indian Journal of Power and River Valley Development	2019	ISSN: 0019-5537	http://www.ijprvd.info/archive_cat/volume-69-no-7-8-year-2019/	UGC

9	Elm Based Detection of Micro-Calcification in Mammogram using Glcm Features	Jayesh George Melekoodappattu, Perumal Sankar Subbian	ECE	International Journal of Recent Technology and Engineering (IJRTE)	2019	ISSN: 2277-3878	DOI: 10.1007/s10916-019-1316-3	UGC
		Dr.G.Glan Devadhas	AEI	Design of a novel controller to stabilize the dc level of photovoltaic system for low voltage stand alone applications	2019	1943023X		Scopus
10	Automatic diagnosis of diabetic retinopathy with the aid of adaptive average filtering with optimized deep convolutional neural network	Dr.Roshini T V , Ms.Reema Mathew	ECE	International Journal of imaging and system technology	2020	1098-1098	https://doi.org/10.1002/ima.22419	SCIE
		Dr.G.Glan Devadhas	AEI		2019			
	Design of a Novel Controller to Maintain DC Level of PV System for Low Voltage Applications – a Review	Dr.G.Glan Devadhas	AEI	*1. International Journal of Recent Technology and Engineering (IJRTE) Volume-7 Issue-5S2, January 2019. pp. 115–159.*	2019	2277-3878		Scopus
	Improved Least Mean Square Algorithm for 5G signals in Microwave –Photonic Link	Dr.G.Glan Devadhas	AEI	International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8 Issue-4, April 2019	2019			Scopus
	, Increasing the Coverage Area Using Microcells in Hybrid GFDM System based on RoF Technology	Dr.G.Glan Devadhas	AEI	International Journal of Recent Technology and Engineering (IJRTE)	2019	2277-3878		Scopus
11	Enhanced Noise Curtailing In Long Haul Multi Service 5g Cellular Optical Hybrid Networks	Dr.G.Glan Devadhas	AEI	Jour of Adv Research in Dynamical & Control Systems	2019			Scopus
11	Watermarking Schemes for High Security with Applications and Attacks: Research Challenges and Open Issues,	Dr.G.Glan Devadhas	AEI	International Journal of Recent Technology and Engineering (IJRTE)	2019	2277-3878	https://www.ijrte.org/wp-content/uploads/papers/v8i4/D7161118419.pdf	SCOPUS
12	Corrosion rate of Al-Si Alloy Reinforced with B4C Nanoparticle prepared by Powder Metallurgy Method using RSM ,	Glan Devadhas.G, Dr.Christopher Ezhil Singh.S,	AEI	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2278-3075	DOI:10.35940/ijitee.A4650.119119	SCOPUS
13	Development of an Adaptive PID Controller for a Nonlinear Process	Dhanoj Mohan1 , Dr. Rathika Rani2 , Dr. G.Glan Devadhas3 , Dr. K.Gopakumar4 , Sudharsana Vijayan5 , Shalet K S6	AEI	International Journal of Applied Engineering Research	2019	0973-4562	https://www.ripublication.com/ijaer19/ijaerv14n4_20.pdf	UGC
14	Non linearity mitigation and dispersion	Dr.G.Glan Devadhas	AEI	Elsevier Microprocessors and Microsystems	2019	0141-9331	https://doi.org/10.1016/j.micpro.2019.	SCIE
15	Thermal Pattern Controller for	Dr.G.Glan Devadhas	AEI	Technology Research	2020	ISSN 2277-8616		SCOPUS
	technique for standalone PV System	Dr.G.Glan Devadhas	AEI	Elsevier Microprocessors and Microsystems	2019	0141-9331	https://doi.org/10.1016/j.micpro.2019.	SCIE
15	Detection of pH Neutralization Technique in	Dr.G.Glan Devadhas	AEI	Elsevier Microprocessors and Microsystems	2019	0141-9331	https://doi.org/10.1016/j.micpro.2019.	SCIE
16	Various Methods for Object Detection Based on	Ms.Neena V V	CSE	International Journal of Recent Technology	2019	ISSN: 2277-3878	https://www.ijrte.org/portfolio-	Scopus
17	design of digital filters; a review	Dr.Roshini T V	ECE	Humanized Computing	2019	12652-019-01431	https://doi.org/10.1007/s12652-019-014	SCI
18	An improved brain tumor classification system	Dr.Anto Sahaya Dhas	ECE	West Indian Medical journal	2019	0043-3144	https://www.mona.uwi.edu/fms/wimj/	SCI
19	A novel decision support system for malignant	Dr.Anto Sahaya Dhas	ECE	Journal of Advanced Research in Dynamics	2019	1943-023X	DOI: 10.5373/JARDCS/V12I3/20201176	Scopus
19 A	"Surface structural features and wear analysis of a multilayer Ti-SAl-4V-0.4 C	Dr.Christopher Ezhil Singh.S	ME	Materials Research Express – IOP Science,	2020		DOI 10.1088/2053-1591/ab6c18	
19 B	Radio Frequency Identification (RFID): A co-	P Sridharan	ME	IJITEE	2020		DOI: 10.35940/ijitee.B6612.019320	
19 C	A Controllable Window Function for Modelling	P Sridharan	ME	Studio Rosenthaliana (Journal of Study of	2020		ISSN: 1781-7838	
19 D	"wear and corrosion behavior of ti-based	Christopher Ezhil Singh	ME	Surface Engineering (Taylor and Francis)	2020		https://doi.org/10.1080/02670844.202	SCI
19 E	Optimization Tool Wear on Hard Turning of	Dr.Christopher Ezhil Singh.S	ME	IJITEE	2020		ISSN: 2278-3075	Others
19 F	"Machine Tool Vibration On Dimensional	Christopher Ezhil Singh	ME	Journal of Applied Research	2020		DOI:	Scopus

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19 G	TG/DTA studies on the oxidation and thermal	Christopher Ezhil Singh	ME	Technology,	2020		e.2020.18.3.1088	**Scopus**
19 H	Optimization algorithms, an effective tool	Dr.Roshini T V	ECE	Journal of Ambient Intelligence and	2020		doi.org/10.1007/s12652-019-01431-x	SCIE & SCOPUS
	individual customization strategy accomplished	Dr. SREEKANTH P.	ME	Rapid Prototyping Journal	2020	Vol. 26 No. 4, pp. 689-	https://doi.org/10.1108/RPJ-06-2019-01	**Scopus**
				2020-21				
20	Smart Stick for blinds with advanced face	Aswani K , Nirmal	CSE	International Journal for Research in	2020	ISSN: 2321-9653	https://doi.org/10.22214/ijraset.2020.3	UGC
20 A	Effect of nano B 4 C on the tribological	Christopher Ezhil Singh S	ME	Materials Science,	2020	DOI:	DOI:	Scopus
20 B	Tensile and compression behaviour,	Christopher Ezhil Singh S	ME	Materials Research Express – IOP Science,	2020	DOI 10.1088/2053-1591/abb85a	DOI 10.1088/2053-1591/abb85a	
20 C	"Dry Sliding Friction of Al-Si-B 4 C Composites	Christopher Ezhil Singh S	ME	IJITEE	2020	ISSN: 2278-3075	ISSN: 2278-3075	
20 D	Analysis of Sneak Path Issues in Memristor	Dr.P.Sridharan	ME	Solid State Technologies	2020	ISSN:0038-111X		Scopus
20 E	Prediction and performance emission of a	Dr.P.Sridharan Dr.V.Saravanakumar	ME	Interciencia Journal	2020			UGC
20 F	Optimization on friction and wear behaviour of	Christopher Ezhil singh S	ME	Bulletin of the Polish Academy of Sciences:	2020	DOI:	DOI: 10.24425/bpasts.2020.135379	
21	Early detection and classification of breast	Jayesh George	ECE	International Journal of Psychosocial	2020	1475-7192	DOI: 10.37200/IJPR/V24I3/PR2020771	Scopus
	Al-Si alloy reinforced with B4C particles by	Dr.G.Glan Devadhas	AEI	Sciences Technical Sciences	2020			SCIE
	FLAIR MRI brain images using SVM and	Dr.G.Glan Devadhas	AEI	Engineering and Technology (IJBET)	2020	1752-6418	https://dx.doi.org/10.1504/IJBET.2020.10899	**SCIE**
22	Detection and classification of breast cancer	Dr. Jayesh George M	ECE	International Journal of Imaging systems	2020	1098-1098	https://doi.org/10.1002/ima.22484	**SCIE**
23	Driver Exhaustion Detection Systems	Akhila Mathew	CSE	IJESC	2020	2321 3361	https://dx.doi.org/10.2139/ssrn.355336	UGC
24	Approaching Bus Driver Collapse Exposure Entity	Akhila Mathew	CSE	International Journal for Research in	2020	2321-9653	https://www.ijraset.com/fileserve.php?	UGC
25	Kidney Transplantation System for Matching and	Akhila Mathew	CSE	International Journal for Research in	2020	2321-9654	https://www.researchgate.net/publicat	UGC
26	Script identification: AReview	Reema Mathew	ECE	and ScientificResearch	2020	2394-0697		
	Identification of PlantDisease: A Review",	Reema Mathew	ECE	and ScientificResearch	2020	2394-0697		
27	Machine Learning and Internet of Things based	Ms. Neena V V	CSE	International Journal for Research in	2020	ISSN: 2321-9653	http://www.ijraset.com/print-	UGC
28	Automatic Form Filler	Ancy K Sunny	CSE	International Journal for Research in	2020	DOI :	https://www.ijraset.com/fileserve.php?	UGC
29	Weight Optimized Neural Network for Heart	Dr.Renji P Cherian	CSE	JournalofBiomedicalInforma	2020	1532-0464;	https://www.sciencedirect.com/scienc	SCIE
30	Bitcoin : An Overview of the Innovative	Ms. Keerthijith. P	CSE	Journal of Computer, Internet and Network	2020	ISSN : 2457-	https://www.academia.edu/44361827/	UGC
31	Frame-Angle Controlled Wavelet Modulated Inverter and Self-Recurrent Wavelet Neural Network-Based Maximum Power Point Tracking	Ms. Teena George	EEE	IEEE ACCESS	2020	**ISSN:** 2169-3536	DOI: 10.1109/ACCESS.2020.3025309	SCOPUS
32	MODELING AND CONFIGURATIONS OF AN	Ms.Shelma George	EEE	International Journal of Advanced Research	2020	ISSN Print: 0976-6480	https://iaeme.com/MasterAdmin/Journ	SCOPUS
33	A Bibliometric Review of Stock Market	Arjun R	CSE	Journal of Applied Computer Systems	2020	ISSN 2255-8691	https://doi.org/10.2478/acss-2020-	SCOPUS
34	Comparison Method of PSO and DE	Neethu M., R.	EEE	International Energy Journal	2020	**ISSN:** 1513-718X	http://www.rericjournal.ait.ac.th/index.	SCOPUS
35	A Unified Tensor Framework for Clustering and	JOBIN FRANCIS	ECE	ACM Trans. Multimedia Comput. Commun.	2020	**1551-6857**	https://doi.org/10.1145/3399806	SCOPUS
36	A Two-Way Optimization Framework for	JOBIN FRANCIS	ECE	IEEE Xplore	2020	**978-1-7281-5120-**	978-1-7281-5120-5/20	SCOPUS
37	Automated breast cancer detection using hybrid	Jayesh George	ECE	Journal of Ambient Intelligence and	2020	**https://doi.org/10.1**	https://doi.org/10.1007/s12652-020-	SCI
				2021-22				
38	Maximum Power Tracking and Power Sharing in	Ms. Teena George	EEE	Electric Power Components and Systems,	2021	15325008.2020.1857	https://doi.org/10.1080/15325008.202	SCIE
39	ZrC-Impregnated Titanium-Based	Dr.S. Christopher Ezhil	ME	Materials Performance and	2021	doi:10.1520/MPC202	www.astm.org	SCOPUS
40	Early detection of breast malignancy using	Dr. Jayesh George M	ECE	International Journal of Imaging systems	2020	1098-1098	https://doi.org/10.1002/ima.22537	**SCIE**
41	Malignancy detection on mammograms by	Dr.Jayesh George,Dr.Anto Sahaya	ECE	International Journal of Imaging systems	2021	1098-1098	https://doi.org/10.1002/ima.22635	**SCIE**
42								
43								
44	Automated Papaya Farm Monitoring system	Dr.Jayesh George, Anto Sahaya Dhas and Kiran	ECE	SSRN Electronic Journal	2021	1556-5068	https://papers.ssrn.com/sol3/papers.cf	UGC
45	Deep learning based robust medical image	Ms.Anusha Chacko	ECE	International Journal of Intelligent	2021	1098-111X	DOI: 10.1002/int.22742	SCOPUS
46	Computational system for medical image	Ms.Anusha Chacko	ECE	CoMeSySo-2021	2021	978-3-030-90317-6	https://doi.org/10.1007/978-3-030-	SCOPUS
47	type 304LN austenetic stainless steel straight	KV Anjusha	ECE	Nuclear Engineering and Technology	2021	1738-5733	11	SCOPUS
48	B4C particles on Microstructural	Dr. S. Christopher Ezhil	ME	Material Research Express, IOP Science	2021	2053-1591	DOI 10.1088/2053-1591/ac2ce5	SCI
48 A	"Performance Characterization of a Solar Cavity Collector Using Artificial Neural Network."	Dr. S. Christopher Ezhil	ME	Modelling and Simulation in Engineering,	2021		https://doi.org/10.1155/2022/7129833	SCOPUS
49	Machine Learning Approach	Singh	ME	Journal of Applied Research and Technology	2021	16656423	https://doi.org/10.22201/icat.24486736	**SCOPUS**
49 A	Flexural Behaviour of RC Beams With a Circular Opening at the Flexural Zone and Shear Zone	Singh	ME	Advances in Civil Engineering	2021	DOI:10.1155/2021/67	DOI:10.1155/2021/6733402	**SCI**

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49 B	Influence of Rotation Speeds on Microstructure and Mechanical Properties of Welded Joints of	Singh	ME	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of	2022	ISSN: 0954-4089	https://doi.org/10.1177/09544089221077661	SCI
50	PolyJet-printed parts involving material	Dr. Sreekanth M P	ME	Manufacturing	2021	1757-8817	.119987	SCOPUS
51	Customized Handle for Winding Machine using	Dr. Sreekanth M P	ME	Engineering Congress	2021		https://doi.org/10.36375/prepare_u.iei.	UGC
52	Maximum Power Tracking and Power Sharing in	Ms.Teena George	EEE	Electric Power Components and Systems, Ta	2020	1532-5008	https://doi.org/10.1080/15325008.202	SCI
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53	Breast cancer detection in mammogram: combining modified CNN and texture feature	Dr.Jayesh George,Dr.Anto Sahaya	ECE	Journal of Ambient Intelligence and Humanized Computing	2022	1868-5137	https://link.springer.com/article/10.100	SCIE &SCOPUS
53 A	Flame dynamics of premixed CH4/H2/air flames in	Jithin Edacheri Veetil	ME	Combustion Theory and Modelling- Taylor & Francis	2022		https://doi.org/10.1080/13647830.2022.2095037	SCI
53 B	Effect of hydrogen addition on the dynamics of	Jithin Edacheri Veetil	ME	International Journal of Hydrogen Energy-	2022		https://doi.org/10.1016/j.ijhydene.2022.07.030	SCOPUS
53 C	A review on Power Generation Enhancements	Dr.P.Sridharan	ME	Journal of Alternate Energy Sources and	2022	eISSN: 2230-7982	DOI:10.37591/JOAEST	UGC
53 D	Effectiveness of feature extraction by PCA, Canonical Correlation and Non-Parametric	S.Christopher Ezhil Singh	ME	International Journal of Digital Multimedia Broadcasting	2022		https://doi.org/10.1155/2022/4802872	SCOPUS
53 E	Compression behaviour Mg-Zn-xSr-HA hybrid nanocomposites through artificial neural	S.Christopher Ezhil Singh	ME	Materials Today: Proceedings -Elsevier	2022		https://doi.org/10.1016/j.matpr.2022.12.122	SCOPUS
53 F	Tribological and mechanical properties Mg-Zn-xSr-HA hybrid nanocomposites prepared by	S.Christopher Ezhil Singh	ME	Materials Today: Proceedings -Elsevier	2022		https://doi.org/10.1016/j.matpr.2022.12.126	SCOPUS
54	Wind energy conversion system-based PMSG for	Teena Georgea,	EEE	Journal of Applied Research and Technology	2022	ISSN 1665-6423 e-	https://jart.icat.unam.mx/index.php/jar	SCOPUS
55	Weapon detection using ML for PPA	Dr.Jayesh George,Dr.Anto Sahaya	ECE	Conference on Intelligent Computing,	2022	978-981-16-7330-6	7330-6_61	SCOPUS
56	Effect of hydrogen addition on the dynamics of	Jithin E	ME	International Journal of hydrogen energy	2022	https://doi.org/10.10	https://doi.org/10.1016/j.ijhydene.2022	SCI
57	Sustainable Green Connected Systems Through	Anit Thomas M,	CSE	ECS Transactions	2022		https://drive.google.com/open?id=1Ny	SCOPUS
58	PRODUCTIVITY ASSESSMENT MODEL USING	P,	CE	thoughts	2022	ISSN: 2320-2882		
59	STEEL COLUMN WITH FRP WRAPPING	Abraham	CE	thoughts	2022	ISSN: 2320-2883		
60	COMPARISON STUDY OF COLD FORMED	Priya K c, Peter Jobe	CE	thoughts	2022	ISSN: 2320-2884		
	5G-Telecommunication Allocation Network Using IoT Enabled Improved Machine Learning	Dr.Roshini T V	ECE	International Journal of Wireless Communications and Mobile Computing	2022	1530-8669		SCOPUS
				2023-24				
61	An Adaptive Control Strategy for Performance Improvement of a Hybrid Vehicle With Fuel Cell and Supercapacitor	Ms. Shelma George,	EEE	Grenze International Journal of Engineering and Technology (GIJET)	2023			
62	Using IoT Enabled Improved Machine Learning Technique	Dr.Roshini TV, MS . SUDARSHANA VIJAYAN,	ECE	Wiley	2022			
63	Power line Voltage Sag Mitigation by Dynamic Voltage Restorer using ANN optimization Technique	Dr.C Rustom Sunil DHAN	EEE	International Journal of Scientific Research in Engineering an Approach		ISSN: 2582-3930	-	UGC

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Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference / Journal	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher	
					2018-19						
1	Roshini T V		A Review on Privacy Preserving Authentication in VANETs		International Conference on Control, Power, Communication and Computing Technologies (ICCPCCT)	International	2018	978-1-5386-0797-8(ISBN)	Vimal Jyothi Engineering College	IEEE xplore	
2	Dr. Jayesh George		Extreme learning machine based classification for detecting micro-calcification in mammogram using multi scale features		IEEE International Conference on Computer Communication and Informatics	International	2019	DOI: 10.1109/ICCCI.2019.8821877	Vimal Jyothi Engineering College	IEEE Xplore	
3	Dr.G.Justin Sunil Dhas		A Survey on LLC resonant converters with synchronous rectifier for EVs		IEEE International Conference on Control, Power, Communication and Computing Technologies-2018 (ICCPCCT-2018)	International	2018	10.1109/ICCPCCT.2018.8574283	Vimal Jyothi Engineering College	IEEE Xplore	
4	Dr.G.Justin Sunil Dhas		A SurveyOn Hybrid Energy Storage System For EV With Regenerative Braking		IEEE International Conference on Control, Power, Communication and Computing Technologies-2018 (ICCPCCT-2018)	International	2018	10.1109/ICCPCCT.2018.8574283	Vimal Jyothi Engineering College	IEEE Xplore	
5	Dr.G.Justin Sunil Dhas		KY Based DC-DC Converter for Standalone Photovoltaic Water Pumping System Employing Four Switch BLDC Drive		2019 Fifth International Conference on Electrical Energy Systems (ICEES)	International	2019	10.1109/ICEES.2019.8719316	Vimal Jyothi Engineering College		
6	Dr.R.Senthilkumar		Optimal Tuning of PID Controller for Switched Reluctance Motor Speed Control Using Particle Swarm Optimization		IEEE International Conference on Control, Power, Communication and Computing Technologies-2018 (ICCPCCT-2018)	International	2018	10.1109/ICCPCCT.2018.8574234	Vimal Jyothi Engineering College	IEEE Xplore	
7	Dr.R.Senthilkumar		A Survey on Optimal Tuning of PID Controller for Buck-Boost Converter Using Cuckoo-Search Algorithm		IEEE International Conference on Control, Power, Communication and Computing Technologies-2018 (ICCPCCT-2018)	International	2018	10.1109/ICCPCCT.2018.8574321	Vimal Jyothi Engineering College	IEEE Xplore	
8	Dr.R.Senthilkumar		Soft Computing Based MPPT Controller for Solar Powered Battery Charger Under Partial Shading Conditions		IEEE Fifth International Conference on Electrical Energy Systems (ICEES 2019)	International	2018	978-1-5386-9247-9	Vimal Jyothi Engineering College	IEEE Xplore	
9	Teena George		Wavelet Modulated Inverter for WECS using Permanent Magnet Synchronous Generator		IEEE Power Electronics Drives and Energy System PEDES-2018,	International	2018	doi: 10.1109/PEDES.2018.870781	IIT Madras, Chennai.	IEEE Xplore	
10	SarinCR		Multilayer Analysis for Prediction of Power Tracing on Uncertain Loads		2018 International Conference on Intelligent and Advanced System (ICIAS)	International	2018	DOI:10.1109/icias.2018.8540600	Vimal Jyothi Engineering College	IEEE Xplore	
11	Dr.G.Glan Devadhas		Data Acquisition And Control Of Multiple Stations Via HMI From A Single PC Using Labview And NI USB-6212,Technologies		2018 IEEE International Conference on Control, Power, Communication and Computing Technologies (ICCPCCT)	International	2018		Vimal Jyothi Engineering College	IEEE Xplore	
12	Dr.G.Glan Devadhas		GA review paper on control of car like robot using MP-MPC		2018 IEEE International Conference on Control, Power, Communication and Computing Technologies (ICCPCCT)	International	2018		Vimal Jyothi Engineering College	IEEE Xplore	
13	Dr.G.Glan Devadhas		Survey on control analysis of magnetic levitation system		2018 IEEE International Conference on Control, Power, Communication and Computing Technologies (ICCPCCT)	International	2018		Vimal Jyothi Engineering College	IEEE Xplore	
14	Dr.G.Glan Devadhas		Survey on different control schemes for distillation columns		2018 IEEE International Conference on Control, Power, Communication and Computing Technologies (ICCPCCT)	International	2018		Vimal Jyothi Engineering College	IEEE Xplore	
15	Dr.G.Glan Devadhas		Survey on different control schemes for a non-linear conical system		2018 IEEE International Conference on Control, Power, Communication and Computing Technologies (ICCPCCT)	International	2018		Vimal Jyothi Engineering College	IEEE Xplore	
16											
					2019-20						
1	Dr.Jayesh George	Advances in Computerized Analysis in Clinical and Medical Imaging	Computer Aided Detection of Breast Cancer on Mammograms: Extreme Machine Neural Network Approach			International	2019	978-113-8-33329-1	Vimal Jyothi Engineering College	Taylor & Francis, USA	

3	Johny P Joseph		Learning and Reflection of Technology based Collaborative MOOC design and its Evaluation, Validation and Results		2018 IEEE Ninth International Conference on Technology for Education (T4E)	International	2019	DOI: 10.1109/T4E.2018.00024	Vimal Jyothi Engineering College	IEEE Xplore	
4	Dr.G.Glan Devadhas		Machine Learning Approach for 5G Hybrid Technologies		2019 2nd International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT), Kannur,Kerala, India, 2019, pp. 1638-1642. (IEEE Xplore)	International	2019	doi: 10.1109/ICICT48043.2020.9112519.	Vimal Jyothi Engineering College	IEEE Xplore	
5	Dr.G.Glan Devadhas		A New 2-Scroll Chaos Plant with Multistability and its Circuit Realization		2019 2nd International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT), Kannur,Kerala, India, 2019, pp. 1638-1642. (IEEE Xplore)	International	2019	DOI: 10.1109/ICICICT46008.2019.8993284	Vimal Jyothi Engineering College	IEEE Xplore	
6	Dr.G.Justin Sunil Dhas		KY Based DC-DC Converter for Standalone Photovoltaic Water Pumping System Employing Four Switch BLDC Drive		2019 Fifth International Conference on Electrical Energy Systems (ICEES)	International	2019	10.1109/ICEES.2019.8719316	Vimal Jyothi Engineering College	IEEE Xplore	
7	Dr. I Selvamani,Manoj K C	Digital Signal Processing				International	2019	978-819-3-430385	Vimal Jyothi Engineering College	http://www.chesspublishers.com/book13.php	
8	Benny Joseph	Environmental Sceince, GTU - 2019				International	2019	ISBN-13: 978-93-5316-809-4 ISBN-10: 93-5316-809-0	Vimal Jyothi Engineering College	McGraw Hill Education (India) Pvt Ltd.	
9	Derroll David		Melanoma Classification and Birthmark Mole Detection on Clinical Images		International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN'19) - IEEE	International	2019	**ISBN**:978-1-5386-9353-7	Vimal Jyothi Engineering College	https://ieeexplore.ieee.org/document/8899509	
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					2020-21						
10	Dr.D.Anto Sahaya Dhas, Dr.Roshini TV, Manoj KC	Computer Assisted Diagnosis Diabetes and Fundus OCT	Lesion detection using segmented structure of retina		Elsevier	International	2020	https://doi.org/10.1016/B978-0-12-817440-1.00014-0	Vimal Jyothi Engineering College	Elsevier	
11	Anoop Balakrishnan Kadan, Perumal Sankar, T.V. Roshini, K.C. manoj, D. Anto Sahaya Dhas, G. Glan Devadhas	Lesion detection using segmented structure of retina", Chapter 14 -	Diabetes and Fundus OCT, Pp. 379-407, Elsevier 2020, ISBN: 978-0-1281-7440-1		Springer	International	2020	978-0-1281-7440-1	Vimal Jyothi Engineering College	https://doi.org/10.1016/B978-0-12-817440-1.00014-0	
12	Dr. Jayesh George M		Detection and classification of breast		International Journal of Imaging	International	2020	1098-1098	Vimal Jyothi Engineering	DOI:	August
13	Akhila Mathew		Driver Exhaustion Detection Systems		IJESC	International	2020	2321 3361	Vimal Jyothi Engineering	https://dx.doi.org/10.21	
14	Akhila Mathew		Approaching Bus Driver Collapse		International Journal for Research	International	2020	2321-9653	Vimal Jyothi Engineering	https://www.ijraset.co	APRIL
15	Akhila Mathew		Kidney Transplantation System for		International Journal for Research	International	2020	2321-9654	Vimal Jyothi Engineering	https://www.researchg	
16	Ms. Keerthijith P		Smart Stick for blinds with advanced face		International Journal for Research	International	2020	ISSN: 2321-9653	Vimal Jyothi Engineering	https://doi.org/10.2221	JULY
17	Ms. Neena V V		Machine Learning and Internet of Things		International Journal for Research	International	2020	ISSN: 2321-9653	Vimal Jyothi Engineering	http://www.ijraset.com	
18	Ancy K Sunny		Automatic Form Filler" ,		International Journal for Research	International	2020	DOI :	Vimal Jyothi Engineering	https://www.ijraset.co	JUNE
19	Dr.Renji P Cheriyan		Weight Optimized Neural Network for		Journal of Bio medical Informatics	International	2020		Vimal Jyothi Engineering	https://www.sciencedir	
20	Ms. Keerthijith. P		Bitcoin : An Overview of the Innovative		Journal of Computer, Internet and	International	2020	ISSN : 2457-0176(Online).	Vimal Jyothi Engineering	https://www.academia.	
21	Ms. Teena George		Adaptive fuzzy-logic control based		International conference on	International	2020		Vimal Jyothi Engineering	https://noticebard.com	
22	Mr.Manoj K C		Design and simulation of		Conference on Microelectronics,		2020	https://doi.org/10.1063/5.000464	Vimal Jyothi Engineering	AIP Publishing	
	2021-22										
23	Dr.Jayesh George,Dr.Anto	Weapon detection using ML for		Proceedings of Third	Third International Conference on	International	2022	978-981-16-7330-6	Vimal jyothi engineering	Springer	https://doi.org/10.1
24	Ms. Teena George		Optimum Torque - Zero d-axis Current	IEEE Xplore	2020 International Conference on	International	2021	10.1109/PEREA51218.2020.9339	Vimal jyothi engineering	IEEE	
25	Dr. Jeethu V Devasia,		An Integrated Framework for Taxi Service		2nd International Conference On	International	2021	https://drive.google.com/open?i	Vimal jyothi engineering		
26	Mr.Manoj K C ,Dr.Anto		Review On Brain Tumor Malignancy	2nd International Conference		International	2021	DOI: 10.1109/ACCESS51619.2021	Vimal jyothi engineering	IEEE XPLORE	
27	Dr. Jayesh George M		Early detection of breast malignancy		International Journal of Imaging	International	2020	1098-1099	Vimal Jyothi Engineering	DOI:	December
28	Dr. Jayesh George M		Malignancy detection on mammograms		International Journal of Imaging	International	2021	1098-1100	Vimal Jyothi Engineering		JULY
29	Ms.Lekshmy S,Dr.Jayesh	Text detection and script		IEEE 2nd Global Conference	IEEE 2nd Global Conference for	International	2021	**ISBN**:978-1-6654-3070-8, IEEE	Vimal jyothi engineering	DOI: 10.1109/GCAT521	
30	Ms.Anusha Chacko	Computational system for medical		CoMeSySo-2021	CoMeSySo-2021	International	2021	978-3-030-90317-6, Springer	Vimal jyothi engineering	https://doi.org/10.1007	
31	Mr.Manoj K C ,Dr.Anto	Brain tumor detection that uses		2021 Asian Conference on	2021 Asian Conference on	International	2021	978-1-7281-8402-9	Vimal jyothi engineering		August
					2022-23						
32	Shinu MM, Dr.G.Glan		A Systematic Review on Recent	Third International	Third International Conference on Intelligent Computing Instrumentation and Control Technologies (ICICICT 2022)	Internati	2022	10.1109/ICICICT54557.2022	Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
33	Glan Devadhas G, Mary		Carbon Capture, Utilization and Storage	Third International		International	2022		Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
34	G. Glan Devadhas		Graphical User Interface for intelligent	Third International		International	2022		Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
35	, Dr.G.Glan Devadhas,		DATA DRIVEN MODELLING AND	Third International		International	2022		Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie

36	Abdul Latheef, Soniya		NETWORK-BASED CONTROL FOR	Third International		International	2022		Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
37	G. Glan Devadhas		Pneumonia Detection in Chest X-ray	Third International		International	2022		Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
38	G. Glan Devadhas		UNet with Two-Fold Training for Effective	Third International		International	2022		Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
39	Abhijith Gopinath,		Customer Evaluation And Profit	Third International		International	2022		Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
40	Suhada C, Dr. Jeethu V.		PEER TO PEER LENDING: RISK	Third International		International	2022		Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
41	Ashly K P, Devika K,		PEER TRACKING AND COLLISION FREE	Third International		International	2022		Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
42	Sudharsana Vijayan, Dr.		A Review on Breast Imaging Modalities	Third International		International	2022		Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
43	Ajay Joy, Amritha P.A,		SMS BASED REMOTE MOBILE PHONE	Third International		International	2022		Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
44	K.V Mahijith, Aswin Unni		A NOVEL FAKE NEWS DETECTION	Third International		International	2022		Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
45	Chaithnya K P, Jayesh		An exploration on plant disease	Third International		International	2022	https://ieeexplore.ieee.org/docu	Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
46	Dr. Jeethu V Devasia,		Peer Tracking and Collision Free	Third International		International	2022	https://drive.google.com/open?i	Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
47	Anit Thomas M, Genimon		The Mediation Effect of Technology	Third International		International	2022	https://drive.google.com/open?i	Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
48	Dr. Manoj V. Thomas		A Comparative Analysis on Deep	Third International		International	2022	https://drive.google.com/open?i	Vimal jyothi engineering	IEEE xplore	https://ieeexplore.ie
49	Adv. Mohanraj T.P,	A Text book on Constitution of				National	2022		Vimal jyothi engineering	Manjusha Publications,	
50	Ms.Shelma		Fuzzy Based Hybrid Control Topology for	IEEE 2nd International		International	2022	978-1-6654-8057-4	Vimal Jyothi Engineering	IEEE xplore	https://ieeexplore.iee
51	ANIT THOMAS	COMPILER DESIGN				International	2022	978-81-957525-4-6			
52	Dr. BIJU	Basic Civil Engineering				International	2022	978-81-957525-3-9			
53	RIJIN I. K. AMBILI M. A.	MICROPROCESSORS &				International	2022	978-81-957525-2-2			
54	Prof.Laly James	DC Machines & Transformers				International	2022	978-81-957525-1-5			
55	PETER JOBE,ABHIJATH I	A text book on informatics for				International	2022	978-81-957525-5-3			
56	Ms.Shelma George		Fuzzy-Based Control Strategy for	5th International Conference o	2023 International Conference on	International	2023	979-8-3503-3412-8	Vimal Jyothi Engineering	IEEE xplore	https://ieeexplore.ie
57	Ms. Tintu George		A Review of Drive Selection, Converters, and Control For Electric Vehicle		IEEE Third International Conference on	International	2023	doi: 10.1109/TEMSMET56707.202	Vimal Jyothi Engineering	IEEE xplore	IEEE Xplore
58											
				2023-24							
	R.Senthilkumar		Soft Computing Based MPPT Controller	ICEES 2019 Fifth International		International	2019		Vimal Jyothi Engineering	Others	

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2022-23 AY PATENT APPLICATION

S.No	APPLICANT	title of the Invention	Application Number	List of Inventers
1	Dr.G.Glan Devadhas, Vimal Jyothi Enginee	Solar powered oxygen depletion level alerting device	362875-001	Dr.G.Glan Devadhas, Mary Synthia Regis Prabha D M
2	Vimal Jyothi Engineering College	A Device, System and Method for Automated Sorting of Waste Materials in Pu	202241052379 A	Mr. MELVIN K JIJI,Mr. NIVED P,Mr. SHAHIN GAFOOR,Mr. SREERAG M,Dr. SREEKANTH M P ,Prof. GOKULNATH R
3	Vimal Jyothi Engineering College	A Smart and Artificially Intelligent System to Predict and Prevent Causalities o	202241052377 A	1. TINTU GEORGE 2. LALY JAMES 3. TINU FRANCIS 4. TEENA GEOGE 5. JIJO JOSEPH,
4	Vimal Jyothi Engineering College	An Image Processing Based Method to Classify Brain Tumors	202241053309 A	1. ATHIRA M THOMAS 2. LALY JAMES 3. ANKITHA SEBASTIAN 4. PRABIN JAMES 5. JIJO JOSEPH 6)Junaid
5	Vimal Jyothi Engineering College	A Smart Bedding System for Monitoring Incapacitated Patients	202241052378 A	1. JYOTHI JOSEPH 2. LALY JAMES 3. TINTU GEORGE 4. TINU FRANCIS 5. ANKITHA SEBASTIAN
6	Vimal Jyothi Engineering College	A Neural Network Based System for Automated Tracking of Wind Energy	202241052380 A	1. Dr. TEENA GEORGE 2. Dr. JAYAPRAKASH P.
7	Vimal Jyothi Engineering College	A Compact and Portable Thermoelectric Refrigerator	202241053310 A	Mr. JERIN SAJI, Mr. MEJO M. FRANCIS, Aswin K. P,Sreeprasad P. C.,Vaishak C,Vishal Pittan
8	Vimal Jyothi Engineering College	A Trackable and Communicative Helmet Device for Miners	202241053321 A	Ms. Namitha P,2)Abin Babu 3)Ashique Prem 4)Deekshith C, 5)Sonu Paul
9	Vimal Jyothi Engineering College	An Artificially Intelligent System for Waste Segregation	202241053307 A	Ms. Vidhya S.S.,C. M. Nived Raj, Jinto Jose,Thejas Sujith, Vignesh P. V.
10	Vimal Jyothi Engineering College	An Optical Fiber Based System and Method to Detect Adulteration in Fuels	202241053315 A	Mr. Abdul Latheef, 2)Aryananda P, 3)Meriam Philip, 4)Namrutha Raj, 5)Unnimaya
11	Vimal Jyothi Engineering College	A System for Transforming Finger Gestures into Other Communication Health	202241053313 A	Ms. DIVYA K., 2)Immanuel Monson, 3)Abhijith B. Lal, 4)Anusree Chithrabhanu, 5)Sanitha K. P.
12	Vimal Jyothi Engineering College	A DEVICE AND SYSTEM FOR AUTOMOBILES TO DISTINGUISH AND IDEN	No.202241053314 A	Ms. Asha Baby, 2)Anusurya Bhacko, 3)Sreelakshmi A. K., 4)Rose Alphons Benny
13	Vimal Jyothi Engineering College	A System for Automated Cleaning and Sanitization of Toilets	202241053378 A	1)Shinu M. M.,2)Dr. Glan Devadhas G., 3)Sreehari 4)Akshay P.5)Amal Raj P.6)Anandhu Prakash
14	Vimal Jyothi Engineering College	An Image Processing Based System to Predict Passwords from Lip sinks	202241052381 A	Ms. Ambili M.A, Theertha P,Uthara Narayanan C. K.Kavya K. K.
15	Vimal Jyothi Engineering College	A System for Indoor Navigation of the Visually Impaired	202241053319 A	Dr. Jeethu V. Devasia, 2)Ashly K. P.3)Devika K.4)Nivedya Susil
16	Vimal Jyothi Engineering College	An Image Processing Based Smart System for Reading and Communication of the Visually Challenged	No.202241053316 A	Ms. Akhila Mathew, 2)Nived P. P., 3)Anusree Rajagopal M.,4)Sreelakshmi Suresh Kumar P. P.
17	Vimal Jyothi Engineering College	A System and Method of Efficient Driving	202241053317A	,Dr. Glan Devadhas G.,Robin Jose,Jis Mathew,Shinu M. M.,Shamya A.,Jinsa Mathew,
18	Vimal Jyothi Engineering College	Assistance and Navigation for Vehicles	202241053306 A	Glan Devadhas G, Anu Sajeev, Shinu M M,Dhanoj M, Reshma, Shamya
19	Vimal Jyothi Engineering College	An Image Processing Based System for Incubation Candling of Eggs in a Pou	202241053308 A	Shinu M M, Sebastian Jacob, Glan Devadhas ,Dhanoj M, Reshma , Jinsa
20	Vimal Jyothi Engineering College	A Helmet Operated Smart Control System for Two Wheeled Automotive	202241053320 A	Dr Reema Mathew A, Mr Manoj K.C, Ms.Anjitha Satheesan T.K, Ms Jesna K, Ms.Jinita Elisa Augustine
21	Dr R Jayasudha	A tower arrangement for mobile communication with integrated power generation and multifarious frequency transmission system	202241046362 A	Dr R Jayasudha, Dr Tiji Zacharia, Dr S Praksh, Grace John M, Eppili Jaya
22	R. Vijaya	An AI Based System to Startle and Monitor Riders' Safety Gear and Method T	202241041938 A	R. Vijaya, Dr. K. Purnachand, Dr. S. Sathish Kumar, Dr. N. Rama Jyothi, Shimna P. K., Lekshmy S

2021-22 AY

1	Rajeswari M	A SYSTEM AND METHOD FOR PERSON DETECTION IN AERIAL IMAGERY	2021103130	Rajeswari,. M.; Vaduganathan, D.; Sureshkumar, A.; Aswiga, R.V.; Priya, S.; Vijikala, V.; Sahaya Dhas, D. Anto; Divya,

2018-19 AY

1	DR. ROSHNI T V MUTHUKUDA	INHALER	15151-001	RENJITH V RAVI, DR. KAMALRAJ SUBRAMANIAM, DR. ASHWIN M , DR. ROSHNI T V MUTHUKUDA

Signature Not Verified

Principal.VJEC

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investivator	Department of Principal Investigator	Year of Award	Amount Sanctioned (INR)	Duration of the project (In months)	Name of the Funding Agency	Type (Government/non-Government)
2018-19							
Broom Making machine	Dr V Sampath Kumar	Electronics and Instrumentation Engineering	2018	100000	12	Unnat Bahrat Abhiayn	Government
Seed bot	Mr.Jithin Mon	Mechanical Engineering	2018	13537	12	INNOVATE-KSCSTE	Government
Off-Sunshine and Night Cooking Solar Cooker with Latent Heat Storage System	Mr.Lince Thomas	Mechanical Engineering	2018	50000	12	APJAKTU - CERD - Research Seed Money Scheme	Government
Assistive Wearables for the Blind Using Doppler Radar	Ms. Jerin Yomas	Electronics and Communication Engineering	2018	20000	12	APJAKTU - CERD - Research Seed Money Scheme	Government
Power generation in highway	Riya Joy	Civil Engineering	2018	41,000	12	APJAKTU - CERD - Research Seed Money Scheme	Governmet
Flood Monitoring System	Dr.G.Glan Devadhas	Electronics and Instrumentation Engineering	2019	12,000	12	APJAKTU - CERD - Students Project Scheme	Government
Virtual eye for blind	Dr. Teena George	Electrical and Electronics Engineering	2019	28,000	12	APJAKTU - CERD - Students Project Scheme	Government

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Principal.VJEC

Pepper Plugging Machine	Dr.G.Glan Devadhas	Electronics and Instrumentation Engineering	2019	6000	12	VJEC- IRPs	Non - Government
Design, Fabrication and Control of a Novel Multifunctional Poultry Robot	Mr.Jithin Mon	Mechanical Engineering	2019	7900	12	VJEC- IRPs	Non - Government
Strength Characteristics of partially replaced concrete with cow dung ash and crushed granite	Ms. Dona Chacko	Civil Engineering	2019	2900	12	VJEC- IRPs	Non - Government
e-pas spot generation using block chain	Dr. Manoj V. Thomas	Computer Science and Engineering	2019	6850	12	VJEC- IRPs	Non - Government
Biometric finger print based electronic voting system	Ms.	Electronics and Communication Engineering	2019	6000	12	VJEC- IRPs	Non - Government
Aquatic waste collector		Electrical and Electronics Engineering	2019	10350	12	VJEC- IRPs	Non - Government
Total				**304537**			
2019-20							
Design and Implementation of Metaheuristic Algorithm based MPPT Controller of Partially Shaded Photo Voltaic System	Dr.R.Senthilkumar / Dr.G.Justin Sunil Dhas	Electrical and Electronics Engineering	2019	172266	12	ANERT , Trivandrum , Kerala	Government
Automatic Puttu making machine	Dr V Sampath Kumar	Electronics and Instrumentation Engineering	2019	156000	2019-2020	KTU-CERD	Government
Design and development of Smart Ambulatory Monitoring for Alakkode Old Age Homes	Ms. Vidhya S S	Computer Science and Engineering	2019	100000	6 months	UBA	Government
Bamboo structured solar tunnel	Dr. V Sampath Kumar /	Electronics and Instrumentation	2019	100000	6	Unnat Bharat	Government
Total				**528266**			
2020-21							
Road Safety & Navigation	Dr.G.Glan Devadhas	Electronics and Instrumentation		16,500		KTU	Government
Perennial grant	Dr .V Sampath	Electronics and Instrumentation		1,75,000		UBA	Government
Student start up grant (Automatic	Dr .V Sampath	Electronics and Instrumentation		4,00,000		MHRD AICTE	Government
Rubber Gloves making machine	Dr .V Sampath	Electronics and Instrumentation		1,00,000		UBA	Government
foot operated hand sanitizer	Mr. Prabin James	Electrical and Electronics		2,58,239	7 months	IEEE HAC &	Non- Gov
Total				**1,16,500**			
2021-22							

Remote Mine Carrier	Dr. Sridharan	Mechanical Engineering		25,000	6 months	Indian Army	Government
Real time vital analyzation system	Ms.divya K	Computer science and		5000	6 months	VJEC- IRPs	Non- Gov
Machine learning based waste	Ms.divya K	Computer science and		5000	6 months	VJEC- IRPs	Non- Gov
direction for fuel adultaration in	Mr.Abdul latheef	Computer science and		2500	6 months	VJEC- IRPs	Non- Gov
Blind assistance using artificial	Ms.divya K	Computer science and		2500	6 months	VJEC- IRPs	Non- Gov
An IoT based smart helmet for	Ms.Namitha	Computer science and		2500	6 months	VJEC- IRPs	Non- Gov
Analysing system for bowling in	Ms.Deroll David	Computer science and		2500	6 months	VJEC- IRPs	Non- Gov
Dry hand sanitizer and health check	Mr.binil kumar	Electronics and Communication		10,000	6 months	VJEC- IRPs	Non- Gov
Smart dustbin using IoT	Ms.Shimna	Electronics and Communication		10,000	6 months	VJEC- IRPs	Non- Gov
Flood landslide prediction using	Ms.tintu George	Electrical and Electronics		10000	6 months	VJEC- IRPs	Non- Gov
Home energy management systems	Mr.jijo joseph	Electrical and Electronics		10000	6 months	VJEC- IRPs	Non- Gov
Development of fertile egg detection	Mr.Shinu	Electronics and Instrumentation		10000	6 months	VJEC- IRPs	Non- Gov
Fall detection and early diagonasis	Dr.Glan Deva Dhas	Electronics and Instrumentation		10000	6 months	VJEC- IRPs	Non- Gov
Total				1,05,000			
2022-23							
“Village women economic	Vidhya S S	computer science and	2022	100000	6 months	UBA	Government

Signature Not Verified

Principal.VJEC

File No.ANERT-TECH/81/2019-S(NEP)

ഭരണഭാഷ – മാതൃഭാഷ

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ANERT

AGENCY FOR NON-CONVENTIONAL ENERGY & RURAL TECHNOLOGY
DEPARTMENT OF POWER, GOVERNMENT OF KERALA
Law College Road, PMG, Thiruvananthapuram 695033 • director@anert.in • www.anert.gov.in
Tel.: (+91-471) 2338077, 2334122, 2333124, 2331803 • Fax: (+91-471) 2329853

ANERT-TECH/81/2019-S(NEP) 12/04/2019

To

The Principal,
Vimal Jyothi Engineering College, Chemperi
Kannur-670632

Sir/Madam,

Sub:Financial Support under SRI 2018-19- Technical Proposal (SRI-06/2018-19) from Dr. R Senthil Kumar - details requested

We are happy to inform that the Project Proposal on "Design and Implementation of Metaheuristic Algorithm based MPPT Controller of Partially Shaded Photo Voltaic System" (SRI-06/2018-19) submitted by Dr. R Senthil Kumar, Professor, Dept. of EEE, VJCE, Chemperi, Kannur has been recommended for funding under SRI 2018-19 by the Technical Advisory Committee of ANERT.

For further processing of the Project Proposal, we would like to know/have

1) A detailed proposal describing the status of research work in this area elsewhere, gap areas and the methodology proposed to be adopted in the suggested work
2) The status of the project (whether your work has already been started and if started, physical and financial progress achieved may be informed)
3) Latest quotations of the equipment and Consumables costing Rs. 15000/- or above
4) A copy of the Guidelines signed by the PI and counter signed by HoI (Revised Guidelines attached herewith)

As per the schedule provided by you, the project duration is 12 months. However, the project will have to be completed before 30th September 2019. Therefore you are requested to provide the required details/documents at the earliest.

Thanking you,

Yours faithfully,

Signature Not Verified

GM, ANERT

Principal.VJEC

ANERT GUIDELINES FOR THE PROGRAMME "SUPPORTING R&D AND INNOVATION-(SRI)" 2018-19

Programme:

The objective of the programme is to promote innovative ideas and technology adaptations in Renewable Energy. Financial and technical support shall be given for technical studies, technology evaluation, making of prototypes etc. on the basis of technically feasible proposals. The technical feasibility of the proposals shall be evaluated by an expert committee. On the basis of recommendations of the Technical Advisory Committee, a maximum financial support of Rs 5 lakhs shall be given for single project. It is proposed to support 14 such projects during the current financial year 2018-19. The Guidelines for implementation of this programme are given below:

Guidelines

Following Guidelines are proposed for smooth implementation of the programme. For any clarification or further details, the concerned official dealing with the programme may be contacted. ANERT reserves the right to review these guidelines and modify them.

1. Who can Apply

Institutions/organizations within Kerala, that function under the direct control of State Govt. (eg. Govt. Engg Colleges, etc.) or indirect control of State Govt. (eg. LBS Engg College, State Universities etc.) or institutions cooperating with State Govt. (like self financing Engg colleges, where Govt. quota seats are allowed) or NGOs with State Govt. approval having innovative ideas in Renewable Energy are eligible to apply for financial support. Financial Support will be limited for one project per Principal Investigator in the case of institutions and one project per an NGO at a time.

2. How to Apply

1. The application for financial support in the prescribed format alongwith the Project Proposal and a copy of the Guidelines signed by the PI and counter signed by HoI shall be forwarded by the Head of Institution (HoI) to The Director, ANERT, PMG-Law College Road, Vikas Bhavan PO, Thiruvananthapuram-695033. Four hard copies of the complete set of application shall be submitted. A soft copy of the complete set of application (in pdf format) also to be sent by e-mail to info@anert.in with subject line "Supporting R&D and Innovation 2018-19".

2. Private academic institutions will have to furnish a declaration that they do not levy and collect donations for admissions from the students.

3. Project Proposal shall be submitted in the prescribed format containing the Project Profile Technical Information and the below documents
   a) Endorsement from the HoI (on letter head)
   b) Copy of Registration Certificate in the case of NGOs and Declaration regarding non-collection of donation for admission in the case of Private Academic Institutions (on letter head)
   c) Certificate from the Principal Investigator (PI)
   d) Consent from the Co-investigator(s)
   e) Certificate regarding pending UC/SoE (if applicable) and
   f) Detailed bio data of the PI and Co-investigator(s)

4. Item wise financial estimates under each head of manpower, equipment, consumables, travel, contingencies and overhead should be mentioned clearly in the proposal submitted, showing rates, quantity and total for each item.

5. All documents submitted shall be in the prescribed formats. Documents in other formats will not be accepted.

3. Guidelines for Implementation

1. The maximum duration of the project is 1 year- however, the project shall be completed before 30th September 2019. The project becomes operative with effect from the date of sanction order.

2. ANERT reserves the right to terminate the project at any stage if it is convinced that the sanctioned amount has not been properly utilised or sufficient progress has not been reported under the project or sufficient efforts have not been devoted.

3. The recipient organisation should provide full infrastructural facilities such as accommodation, water, electricity, library, communication facilities etc. for smooth implementation of the project.

4. The recipient organisation is not permitted to seek or utilise funds from any other external source for the research project. On project approval, an undertaking in this regard will have to be submitted by the PI.

5. The Investigator(s) should not enter into collaboration with a foreign party (individual/ industry) for the project being supported by ANERT without prior approval of ANERT.

6. The recipient organisation shall not entrust the implementation of the project for which the financial support is being sanctioned to another institution nor shall it divert the amount to other institute as assistance. In case the organisation is not able to implement the project, it should refund the entire amount received as financial support (alongwith the interest) to ANERT.

7. The financial support shall not be utilized for purchase of vehicle or construction of any building unless specific provision is made for this purpose in the sanction order.

8. For permanent, semi-permanent or infrastructural assets acquired from the financial support, an audited record in the form of a register in the prescribed format shall be maintained by the organisation. The term "Assets" include (a) the immovable property acquired out of the financial support and (b) movable property of capital nature if its value exceeds Rs 1,000/-. The organisation is required to send to ANERT the details of assets acquired using the financial support.

9. All the assets acquired from the financial support will be the property of ANERT and should not be disposed of, encumbered or utilized for purposes other than those for which the financial support had been sanctioned without the prior sanction of ANERT.

10. After completion/ termination of the project, ANERT will be free to sell or otherwise dispose of the assets, which are the property of ANERT. The organisation shall render to ANERT necessary facilities for arranging the sale of these assets. ANERT also has the discretion to gift the assets to the organisation for research purpose or transfer them to any other Institute if it is considered appropriate and justified.

11. In case the project is sanctioned to Private Academic Institutions, and if it is subsequently brought to the notice of ANERT that donations are being collected from the students for admissions, the financial support would be cancelled. The institutions will be required to refund the financial support received with interest and such institutions will be banned from getting further financial support from ANERT.

12. The recipient organisation/PI is encouraged to publish technical/scientific papers based on the research work done under the project. Due acknowledgment should be given to the support received from ANERT. However, if the results of research are to be legally protected, they should not be published without action being taken to secure legal protection for the research results.

13. The knowledge generated/patent/IPR from the project will be the property of ANERT. Transfer of technology generated shall be done in consultation with ANERT.

14. ANERT may enforce additional guidelines for implementation of the Programme from time to time and the recipient organisation, PI and Investigators are required to adhere to such additional guidelines.

4. Processing of Applications

1. Receipt of Application will be acknowledged with a reference number and other instructions, if any. Further correspondence with ANERT regarding the project should invariably quote the reference number and date.

2. Opportunity will be given to present the short-listed Project Proposals before the Technical Advisory Committee of ANERT. The Technical Advisory Committee will evaluate and ascertain the relevance of the projects in line with the guidelines. Only those projects recommended by the Technical Advisory Committee will be considered for Financial Assistance depending on funds availability.

3. In case, the proposal is not found relevant or deficient in critical information, the same will be intimated to the PI accordingly.

4. Once the project is approved, an intimation will be issued to the recipient organisation. The total cost of the project is finalised based on the latest quotation(s) of equipment approved under the project and other relevant documents related to manpower, contingencies etc. submitted by the PI.

5. The PI has to submit willingness to undertake the project with the sanctioned budget & objectives and an undertaking regarding non-receipt of fund from other external sources.

6. A formal sanction order will be released on receipt of the willingness and undertaking from the PI.

5. Monitoring the Progress

1. The recipient organization/ PI shall furnish quarterly Progress Reports of the project in the prescribed format.

2. Officer(s)/Scientists of ANERT or an Expert Committee deputed by ANERT may visit the recipient organisation to review the progress of the work being carried out and to suggest suitable measures to ensure realisation of the objectives of the project.

6. Project Staff

1. No personnel appointed under the project, are to be treated as employee of ANERT and ANERT will have no liability, whatsoever, in this regard.

7. Financial Support

1. Financial Support will be provided for the projects recommended by the Technical Advisory Committee depending on funds availability to cover the selected expenditure under manpower, equipment, consumables, travel, contingencies and overhead.

2. NGOs/Private Academic Institutions will not be eligible for financial support under 'equipment' head. If equipment are absolutely required for the project, ANERT may consider 50% support for the expenditure under equipment head. In such cases, ANERT shall consider release of the financial support for equipment only upon receipt of supportive evidence that the recipient organisation has remitted the remaining 50%

share of the fund to the PI's account created for the implementation and management of the project.

3. For Student Projects no financial support under manpower and overheads will be provided.

4. The maximum financial support for a project shall be Rs. 5 lakhs. In deserving cases if recommended by the Technical Advisory Committee, further support if required will be considered in phase 2 after completion of Phase 1 of the project. But, in the case of student projects, the financial support will be limited to Rs. 1,00,000/-.

5. The first installment will be 25% of the sanctioned financial support or the cost of equipment whichever is higher. This will be released after issue of the sanction order. Further installments will be released as decided by ANERT only after receiving the Progress Report. Final installment will be released after completion of the Project and submission of the specified documents by the PI.

6. The amount sanctioned as Financial Support shall be
   i) spent for the project within the specified time; and
   ii) Any portion of the financial support, which is not ultimately required/used for the project, shall be duly surrendered to ANERT.

7. The recipient organisation shall maintain a separate bank account for implementation and management of the project and it should be reported to ANERT and the interest accrued should be reflected in the Statement of Expenditure. The interest so earned will be treated as a credit to the recipient organisation to be adjusted towards future installments of the financial support.

8. The recipient organisation should maintain separate audited accounts for the project.

9. ANERT reserves the right to order verification/audit of accounts by any Officer authorised by ANERT.

10. Re-appropriation of funds among different heads is normally not allowed. If any reallocation/ re-appropriation of the sanctioned amount under different heads becomes inevitable, it should be done with prior approval from ANERT.

8. Completion of the Project

1. On completion of the research, a presentation on the implementation of the project and major achievements shall be done.

2. The PI through the recipient organisation should send the following details/documents to ANERT to enable settlement of the account:

   - A copy of Final Project Report in the prescribed format.

- One page abstract highlighting the outcome.
- Soft copy of the Final Project Report and abstract.
- Statement of Expenditure and Utilization Certificate (Audited by a Chartered Accountant).
- Details of electronic transfer of unspent amount/DD for any unspent amount drawn in favour of DIRECTOR, ANERT payable at Thiruvananthapuram.
- Reprints/copies of papers/patents/articles etc.

We agree to the Guidelines stated above.

Name and Signature of
Principal Investigator

Name and Signature of
Head of Institution

(Seal)

मेजर अंबरीष टी वी
उप कमान अधिकारी
Maj Ambareesh TV
Second in Command
Tele Army : 440191-6153 (O)

419 असाल्ट इंजीनियर स्क्वाड्रन
पिन - 914419
द्वारा 56 ए पी ओ
419 Assault Engineer Squadron
Pin - 914419
C/o 56 APO

26272/ DO/ 21 /A

06 Apr 2022

UNIT APPRECIATION - 2019-20

Dr. Sridharan P
Prof & Project Guide
Vimal Jyothi Engg College

Appreciation: Remote Mine Carrier

Dear Prof,

1. This is to appraise you that the efforts by undermentioned students of your college in design and fabrication of **"Remote Mine Carrier"** are impressive and commendable:
   (a) Narayana Prasad VE : S8 Mechanical
   (b) Harishankar MV : S8 Mechanical
   (c) Alan Sebastian : S8 Mechanical
   (d) Rithun Hari P : S8 Mechanical

2. The group was eager and motivated throughout the process and have been very professional in their approach and behaviour. The students could quickly grasp the concept and were very prompt in reverting back with periodic feedbacks and queries.

3. The final outcome have turned out to be as expected. The equipment is currently under trial at unit level and shall be showcased to various dignitaries and inspection teams in days to come. The innovation/ modification by the team for M 18 Claymore service mine have received ample appreciation from the environment.

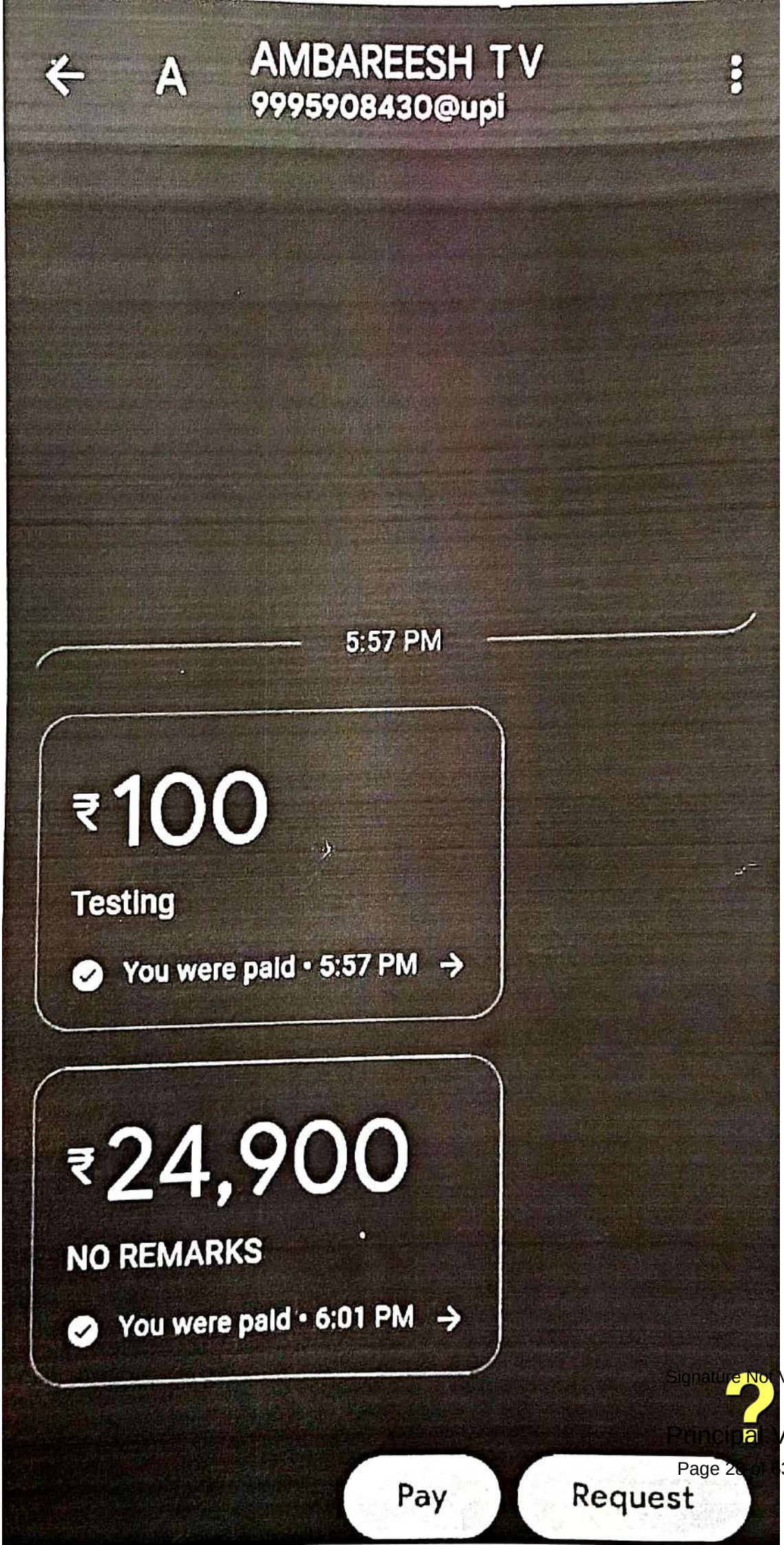
4. I would like to congratulate the team for their outstanding efforts and the college and its faculty for their tutelage and grooming.

I would like to take this opportunity to urge you to motivate more such students to work on projects which can aid our Armed Forces...

Warm Regards...

Signature Not Verified

Principal.VJEC



A P J Abdul Kalam Technological University

List of Research Seed Money Projects selected for funding

ARCHITECTURE

SL NO	PRINCIPAL INVESTIGATOR	TITLE OF PROJECT	NAME OF COLLEGE	AMOUNT SANCTIONED	Ist INSTALMENT	IInd INSTALMENT
1	Archana A P Asst. Professor	Designing of building envelope through passive cooling strategies for warm humid climate	RIT Kottayam	148000	130000	18000

COMPUTER SCIENCE & ENGINEERING

SL NO	PRINCIPAL INVESTIGATOR	TITLE OF PROJECT	NAME OF COLLEGE	AMOUNT SANCTIONED	Ist INSTALMENT	IInd INSTALMENT
1	Dhanya P M Asst. Professor	Criminal policing system	Rajagiri School of Engineering & Technology	30000	15000	15000
2	Dr. Jayasudha J S Professor	Interactive and informative learning using Augmented and Virtual Reality	SCT College of Engineering Trivandrum	115000	85000	30000

CIVIL ENGINEERING

SL NO	PRINCIPAL INVESTIGATOR	TITLE OF PROJECT	NAME OF COLLEGE	AMOUNT SANCTIONED	Ist INSTALMENT	IInd INSTALMENT
1	Sheena Hassan Asst. Professor	Modelling of flow through Gabion Weirs	College of Engineering, Trivandrum	200000	180000	20000
2	Dr. Girija K Asso. Professor	A standardised cross section for restricted depth prestressed concrete road bridge superstructure over railway track	College of Engineering, Trivandrum	200000	180000	20000

3	Dr Jisha S V Asst. Professor	Seismic soil structure interaction response of structures subjected to pounding	Mar Baselious College of Engineering Trivandrum	62000	50000	12000
4	Dr.Resmi G Professor	Development of Bio Compost System for treating Degradable solid waste and production of manure	NSS College of Engineering	195000	175000	20000
5	Jithin Kurian Andrews Asst. Professor Dr Reebu Z Koshy Prof & Head	Distress identification & estimation in flexible pavements using image processing	Saintgits college of Engineering	72000	65000	7000

FOOD TECHNOLOGY

SL NO	PRINCIPAL INVESTIGATOR	TITLE OF PROJECT	NAME OF COLLEGE	AMOUNT SANCTIONED	Ist INSTALMENT	IInd INSTALMENT
1	Lakshmi Mohan Asst. Professor Jyothi K Nair Asst. Professor (Co-Investigator)	Isolation and characterization of plastic degrading microbes	Saintgits college of Engineering	115000	85000	30000

ELECTRONICS & COMMUNICATION ENGINEERING

SL NO	PRINCIPAL INVESTIGATOR	TITLE OF PROJECT	NAME OF COLLEGE	AMOUNT SANCTIONED	Ist INSTALMENT	IInd INSTALMENT
1	Dr . Venugopal G Asso. Professor	Characterization of effect of muscle fiber types in fatigue progression using surface	NSS College of Engineering	200000	157000	37500

2	Dr.Renu Jose Asst. Professor	Machine Learning based Channel Equalization in Digital Communication Systems.	RIT Kottayam	200000	169000	31000
3	Dr. V Sampath Kumar Professor	Puttumatic - Automatic puttu making machine	Vimal Jyothi Engineering College	156750	136750	20000
4	Er. Harinarayanan Nampoothiri M G Asst. Professor Dr. Godwin	Mud and manhole cleaning robot with optimized control parameters	Saintgits college of Engineering	140000	110000	30000
5	Dr.Ragesh G.K Professor	Implementation of an autonomous Wireless Body Area Network(WBAN) for IoT enabled healthcare applications using wearable sensor node with solar energy harvesting	Adi Shankara Institute of Engineering and Technology,Kalady	114500	92500	22000
6	Vinayakumar B Asst. Professor Dr. Godwin Anand P S Professor (Co-Investigator)	Power generation using controlled gravitational water vortex power plants (GWVPP) in rural waterbodies of kerala	Saintgits college of Engineering	140000	110000	30000
7	Dr. G Glan Devadhas Professor	Development of a smart SCADA structure for intelligent rainfall prediction in kerala and real time flood level alerting system	Vimal Jyothi Engineering College	159000	129000	30000

ELECTRICAL AND ELECTRONICS ENGINEERING

SL NO	PRINCIPAL INVESTIGATOR	TITLE OF PROJECT	NAME OF COLLEGE	AMOUNT SANCTIONED	Ist INSTALMENT	IInd INSTALMENT
1	Jayasree M S Asst. Professor Dr.Harikumar R Asst. Professor	Design and development of E-Waste PCB Component Separator and Segregator	College of Engineering, Trivandrum	200000	50000	150000
2	Dr. J S Savier Asst. Professor	Design and development of a micro phasor measurement unit	College of Engineering, Trivandrum	198000	120000	78000
3	Dr. Mahendran N Professor Dr. Pinkymol K P Asso. Professor (Co-Investigator)	Design and development of solar photo voltaic system with reduced current ripple KY boost converter	Saintgits college of Engineering	172500	72500	100000
4	Dr. Francis M Fernandez Asst. Professor Anu G Asst. Professor	Quantification of Harmonic Injection in Power System using Non -Active Power Theory	College of Engineering, Trivandrum	200000	175000	25000
5	Deepa M U Asst. Professor	Solar assisted electric vehicle with one converter for charging and motor driving	College of Engineering, Trivandrum	137875	75000	62875
6	Dr Bijuna Kunju Head of the dept	Self sustainable nanogrid for homes	TKM College of Engineering Kollam	196000	150000	46000
7	Dr. Lal Priya P S Asst. Professor	Design and Implementation of an energy efficient robust controller for an electric vehicle with In - Wheel motors	College of Engineering, Trivandrum	198000	100000	98000
8	Dr Sreeja S Asst. Professor	Design and develpoment of a humanoid robot	College of Engineering, Trivandrum	199843	100000	99843

MECHANICAL ENGINEERING

SL NO	PRINCIPAL INVESTIGATOR	TITLE OF PROJECT	NAME OF COLLEGE	AMOUNT SANCTIONED	Ist INSTALMENT	IInd INSTALMENT
1	Harikrishnan C Asst. Professor Dr. Thankachan T Pullan Asso. Professor	Fabrication and Analysis of Al-Li Surface Composite Using Friction Stir Processing	Rajagiri School of Engineering & Technology	125000	105000	20000
2	Dr. Lijo Paul Asso. Professor	Experimental investigations and performance optimization of the micro abrasive jet machining	St . Josephs College of Engineering Palai	130000	115000	15000
3	Dr. Jilse Sebastian Asso. Professor	Experimental investigations on the performance and emission characteristics of CI engine fueled by plastic oil derived from polyethylene waste plastic	St . Josephs College of Engineering Palai	140000	120000	20000
4	Dr Jacob T Varghese Asst. Professor Sajan Thomas Asst. Professor (Co Investigator)	Energy efficient green structures	Saintgits college of Engineering	127500	107500	20000
5	Dr. Sudheesh Kumar C P Asst. Professor	Investigation of human body vibration to minimise occupational health hazards	Govt College of Engineering, Kannur	165000	155000	10000

6	Harish T V Asso. Professor	Experimental Study of Changes in Micro Mechanism of Wear With Vibration in Stroke Length under Reciprocating Sliding Conditions of A390-SiCp AND A336-SiCp Composites.	College of Engineering, Trivandrum	200000	180000	20000
7	K S Sajikumar Asst. Professor	Experimental and numerical characterisation of a non contact handling device	College of Engineering, Trivandrum	200000	192500	7500

Sanction order will be issued separately for each project.

Dean Research
KTU

List of Student Innovations/Startup Proposals Selected for Receiving Funding Support and Incubation Linkage for the FY 2020-21 at IIC-MIC & AICTE

S No.	Team Name	Project/PoC Title	Institute Name	State	Amount Sanctioned *(In Indian Rupees)*
1	SUVANA	Low cost residential flow meter	Muzaffarpur Institute of Technology	Bihar	4,50,000
2	Motion Sensing Glove	Motion Sensing Glove	UIET, Panjab University	Chandigarh	4,00,000
3	Cytokine	Bhangarya (Eclipta alba)-A new traditional plant to manage bleeding: From land to FIRST-	L. M. College of Pharmacy	Gujarat	4,50,000
4	Mobile STP	Near Zero cost polluted water	CMR Institute of Technology	Karnataka	3,00,000
5	SAM Solutions	Automatic Puttu Making Machine	Vimal Jyothi Engineering College	Kerala	4,00,000
6	JAL	Desalination system	NIT Calicut	Kerala	3,00,000
7	Aztecs	Treatment of Seafood processing effluent using Stringed Bed suspended Bioreactor	KMEA ENGINEERING COLLEGE EDATHALA	Kerala	2,50,000
8	Novorbis	First Filter-less Air purification Unit	Acropolis Institute of Technology and Research	Madhya Padesh	2,89,000
9	PREG-Ṽ-DET	A Kit for Visual Early Pregnancy Detection in Cattle from Urine	Institute of Chemical Technology	Maharashtra	5,00,000
10	RakDaa	Nano_Gr_Det Point of care blood group detection kit	Institute of Chemical Technology, Mumbai	Maharashtra	3,42,000
11	We-Wake IndiGreen	Bio-based Biodegradable Plastic Process and Product Development	Savitribai Phule Pune University	Maharashtra	3,00,000
12	JAPNAS	Mood analysis using facial expressions	Maharashtra Institute of Technology, Pune	Maharashtra	2,53,000
13	Fenice Tech	CRAB - clog removing autonomous bot	Dr. M.G.R. Innovation Institute Council	Tamil Nadu	3,00,000
14	Team Tested OK	Machine Vision system for Quality Control in Automobile Component Manufacturing	Kumaraguru College of Technology	Tamil Nadu	2,59,000
15	SmartMed	Optimus - Smart Pill Companion - vending machine with finger print	Sreenidhi Institute of Science and Technology	Telangana	3,00,000
16	Cipher generator	Cipher generator	I.T.S Engineering college	Uttar Pradesh	4,00,000
17	IntBotix	Recruitment Bot	IIIT-Allahabad	Uttar Pradesh	2,90,000

Guidelines for fund release and use:

The following broad guidelines towards fund utilization by teams through incubation units shall be followed.

A. Approximately 50-60% of the total fund granted to a PoC can be used for technology development/process development/innovation refinement and market research. This budget category may include expenses incurred towards above activities, logistics and procurement of raw materials, expenses to carry out market research, mentorship and fees related to incubation services availed through incubation unit (if chargeable).

B. Up to 20% may be utilized towards cost of startup registration as per DPIIT norm and consultation, IP filing, legal and fulfillment of other regulatory compliances towards operationalization the startup activities and launch of product/services.

C. Up to 10% may be utilized towards participation fee and travel to represent or participate in any national level competition / exhibition/ training / workshop related Innovation/Startup/IPR.

D. Up to 10% may be used for miscellaneous activities related to above categories.

E. All shortlisted PoC teams have to submit letter of admission/provisional admission from Incubation Unit/Pre-Incubation Unit for minimum time period of 6 months to 1 year. This is prerequisite for disbursement of fund.

F. Fund will be issued through through the incubation/Pre-incubation unit only.

G. PoC team in-coordination with incubation unit will be asked to further work upon the proposal and share the milestone-based action plan with time line and claim for fund release (Incubation unit will be asked to furnish registration/SPV Status/establishment Identity related documents as proof and mandate form during claim request).

H. Upon receiving of claim requires with documents, 50% of total grant amount will be released and next 50% will be disbursed after 3 months or on achieving 50% of milestones whichever is earlier.

****

उन्नत भारत अभियान
ग्रामीण विकास एवं प्रौद्योगिकी केंद्र
भारतीय प्रौद्योगिकी संस्थान, दिल्ली
हौजखास, नयी दिल्ली– 110016

UNNAT BHARAT ABHIYAN
CENTRE FOR RURAL DEVELOPMENT AND TECHNOLOGY
INDIAN INSTITUTE OF TECHNOLOGY, DELHI
Hauz Khas, New Delhi – 110016
Website: http://unnat.iitd.ac.in

Prof. Virendra K. Vijay
Coordinator, UBA
IREDA Chair Professor & Head, CRDT

Tel : +91-11-2659 1121/1157(O)
Fax : +91-11-2659 1121
Email: unnatbharatabhiyaniitd@gmail.com
vkvijay@rdat.iitd.ac.in,

Date: May 16, 2022

To,

DR. VIDHYA S S
Vimal Jyothi Engineering College

Subject: Financial Sanction of Technical Intervention project (No. RP-03525G) under UBA 2.0

Dear Sir/ Ma'am,

1. This is to intimate you that Technology Intervention proposals under the category of "TECHNOLOGY DEVELOPMENT" Project-No: **RP-03525G** entitled, **"Village women economic empowerment through low cost IoT Based Hatchery Unit.**" submitted by you under the Unnat Bharat Abhiyan 2.0 Program, has been approved by Capacity Building, Strategy for Convergence and Implementation of Various Govt. Schemes SEG and funded by the National Coordinating Institute UBA 2.0 (IIT Delhi).

2. You can use the grant for fulfilling the project objectives under the approved heads as per the proposal, using the established procedure of your institute and as per the UBA guidelines, within 3 months from the date of receiving of funds. Kindly note that the utilization of funds allowed under the head "General Contingency" should not be more than 10% of the total sanctioned fund.

Note: *TA/ Honorarium is strictly not permitted in this project.*

3. Any product/service developed under the sanctioned project must have UBA logo on it.

4. Detailed information of faculty in-charge and students/volunteers, who will be coordinating/ working under the sanctioned project, shall be shared in the project report submitted by your institution.

5. The project implementation location/site shall be selected in consideration with gram panchayat officials/ members.

Signature Not Verified
Principal.VJEC

Vimal Jyothi
Engineering College Chempazi

Dr. V Sampath Kumar AEI <vsampath@vjec.ac.in>

Congratulation! for getting selected for the Perennial fund award of Rs. 1,75,000

Unnat Bharat Abhiyan <unnatbharatabhiyaniitd@gmail.com> Wed, Sep 9, 2020 at 6:57 PM
To: higher education cell <higher.edu@rmkec.ac.in>, dmotwani20005@gmail.com, "Dr. V Sampath Kumar AEI" <vsampath@vjec.ac.in>, "Dr. Geo Jos Fernandez" <gfernandez@alberts.edu.in>, Pushpender Yadav <pushpender1@gmail.com>, LOGANATHAN K T <logchem80@gmail.com>, Albino Potsangbam <albinoiit@gmail.com>, jegadeesan s <jegadeesans.ece@mkce.ac.in>, devika.verma@viit.ac.in, Rex Sahayaraj <enjoyrex@gmail.com>, Rajeev Kumar <rajeevkumar@bitmesra.ac.in>, ASSOCDIRECTOR CL KTR <assocdirector.cl@srmist.edu.in>, Nirali Gondaliya <ngondaliya@gmail.com>, Registrar Brainware University <registrar@brainwareuniversity.ac.in>, Krupesh Chauhan <kac3srb@gmail.com>, UBA RCI <ubarci@iisertvm.ac.in>, "Dr. B. Prabasheela" <prabasheela@avit.ac.in>, Antony Berchmans <bmansj@gmail.com>, deanmsdi mamcet <deanmsdi@mamcet.com>, "Dr. Garg" <jvwuni@yahoo.com>, gszamre@yahoo.com, narendra.verma@itmgoi.in, latesh.gagan@gmail.com, Kavitha Maithily <skavithamaithily@gmail.com>, mallikarjunarao m <mallikarjunarao_m@pace.ac.in>, Daniel Ambrose <shcextension@gmail.com>, shridhar kumbhar <shridhar.kumbhar@ritindia.edu>, Prashansa Das <p.das@osou.ac.in>, tdsubash2007@gmail.com, sudiptag8@gmail.com, RMK Principal <principal@rmkec.ac.in>, Vc@itmuniversity.ac.in, principal@vjec.ac.in, principal@alberts.edu.in, nsr@manit.ac.in, accetprincipal@gmail.com, director@nitmanipur.ac.in, principal@mkce.ac.in, director@viit.ac.in, vc@bitmesra.ac.in, pricipal@rmkec.ac.in, registrar@srmuniv.ac.in, dipakdeore@gmail.com, vc@brainwareuniversity.ac.in, director@svnit.ac.in, Registrar IISER-TVM <registrar@iisertvm.ac.in>, principal@avit.ac.in, college@mail.sjctni.edu, PRINCIPAL MAMCET <principal@mamcet.com>, principalcoeta@gmail.com, directoritmgoi@itmgoi.in, principal.gcoenagpur@dtemaharashtra.gov.in, registrar@ruraluniv.ac.in, principal@pace.ac.in, prinicipal@shctpt.edu, sushma.kulkarni@ritindia.edu, Vice-Chancellor OSOU <vc@osou.ac.in>, principal@mangalam.in, Dipak Tamili <tamilidk@gmail.com>

Dear Coordinator,

Participating Institute of UBA,

Congratulations!

National Coordinating Institute, IIT Delhi, Unnat Bharat Abhiyan congratulates you on getting selected for the Perennial fund award of Rs. 1,75,000 as you have been selected out of 289 institutes who have applied for effective delivery of UBA mandate crossing three rigorous stages of the selection process. Rural development is the process of improving the quality of life and economic well-being of people living in rural areas, often relatively isolated and sparsely populated areas, Gandhiji suggested that an effective way to bring the hope of good living to the rural people is by making the village the central place in the Rural development process and as outlined by Gandhiji self- sufficiency, inter-dependence for other wants, and development of Village Industries is a way forward. Working on the same Unnat Bharat Abhiyan has come very far and kept the same spirit in mind, with one UBA institute as IIT Delhi in 2014 to 2614 UBA institutes all over India in 6 years time is a marvelous journey. With the vision and mission to change the rural development process by bringing HEIs together and through knowledge transfer, community participation, and convergence we can achieve the same for all over the country. UBA is a two-way process in which teachers and students of higher educational institutes are learning the traditional knowledge and wisdom of people in rural areas and provide modern knowledge and technology to the rural people and in the process, both are benefited.

The past one month was really very remarkable as UBA achieved may milestones like the sign of MoU with TRIFED, VIBHA, and CSIR.To see Unnat Bharat Abhiyan from a thought to reality and on still a long way to go is a beautiful yet very responsible job on our shoulders and it is a very proud moment, I must say it is the history that is being created right now by bringing so many institutes together for the same cause. From S&T Intervention to Reorientation of R&D Design, from Planning to Implementation to Monitoring and from converging Funds to Knowledge to Stakeholders, everything was done by these institutes who made all the efforts to bring the real change.

To release the fund we request you to make an expenditure plan for your villages i,e, how you plan to spend the amount of Rs. 1.75 Lakhs; Any useful intervention in the village is welcome, there is no restriction on it. Also, it is advised that you should not create any capital assets from this money for the institute. After making it please submit to your RCI for the vetting of the plan and after this submit to us through RCI for **transfer of the fund.**

Signature Not Verified

--

With Regards,

Principal.VJEC

Prof. Virendra K Vijay
National Coordinator - Unnat Bharat Abhiyan
IREDA Chair Professor
Centre for Rural Development and Technology,
Indian Institute of Technology Delhi
Hauz Khas, New Delhi - 110016
Phone: +91-11-26591157, 26596351
Email: unnatbharatabhiyaniitd@gmail.com,
vkvijay@rdat.iitd.ac.in
Website: http://unnatbharatabhiyan.gov.in

Signature Not Verified

Principal.VJEC

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
CET campus, Thiruvananthapuram - 695 016
Ph: 0471 2598122; Fax: 2598522 www. ktu.edu.in Email: university@ktu.edu.in

No. KTU/RESEARCH 3/1626/2023 Dated: 24.03.2023

From
The DEAN (Research)
To
The Principal

Sir/Madam

Sub:- APJAKTU - Research - Scheme of Financial Assistance to Research Seed Money Projects 2022-23 - Application invited - reg:-

Ref:- 1. Order No. KTU/RESEARCH3/749/2016 dated 10.06.2016.
2. Order U O No. 1587/2020/KTU dated 16.11.2020.

The Research Seed Money Scheme of KTU is providing a platform for faculty of the affiliated Engineering Colleges in the State to pursue their interest in applied research.

University invites proposals for financial assistance under Research Seed Money Scheme, the objective of which is to provide financial assistance to the faculty members of Engineering Colleges affiliated to KTU.

As per the ref. 1st cited, faculty members in private Engineering colleges with at least one NBA accredited course currently or had accreditation and applied for re-accreditation are eligible for funding, in addition to the faculty members in Government, Aided, and Government controlled Self Financing Engineering Colleges.

As per the ref. 2nd cited, the Research Seed Money scheme is limited to once in the career of a faculty with not more than 15 years of experience. Based on the merit of the proposal a maximum support of ₹ 2 lakhs will be provided for a project.

The details of the scheme and application format are available in University Website **www.ktu.edu.in** . I request you to give wide publicity to the scheme among the faculty members of your institution and motivate the faculty members to undertake innovative projects.

The scanned copy of the properly authenticated application has to be forwarded to **rsm@ktu.edu.in.**

The last date for receipt of proposals is **30.04.2023.**

Thanking you,

Yours faithfully
Dr. Shalij P.R *
DEAN (Research)

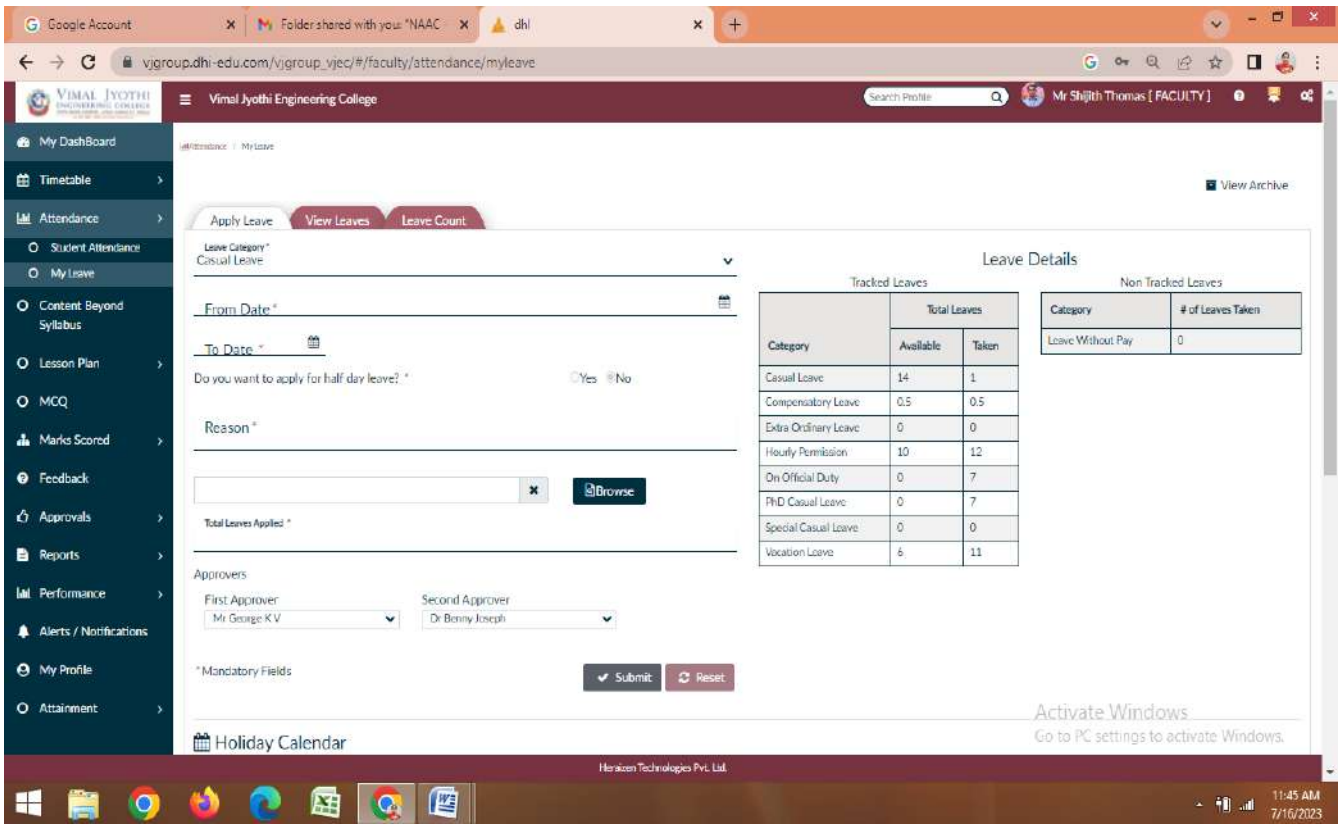
Copy To
The Principals of all Engineering Colleges.

Signature Not Verified

Principal VJEC

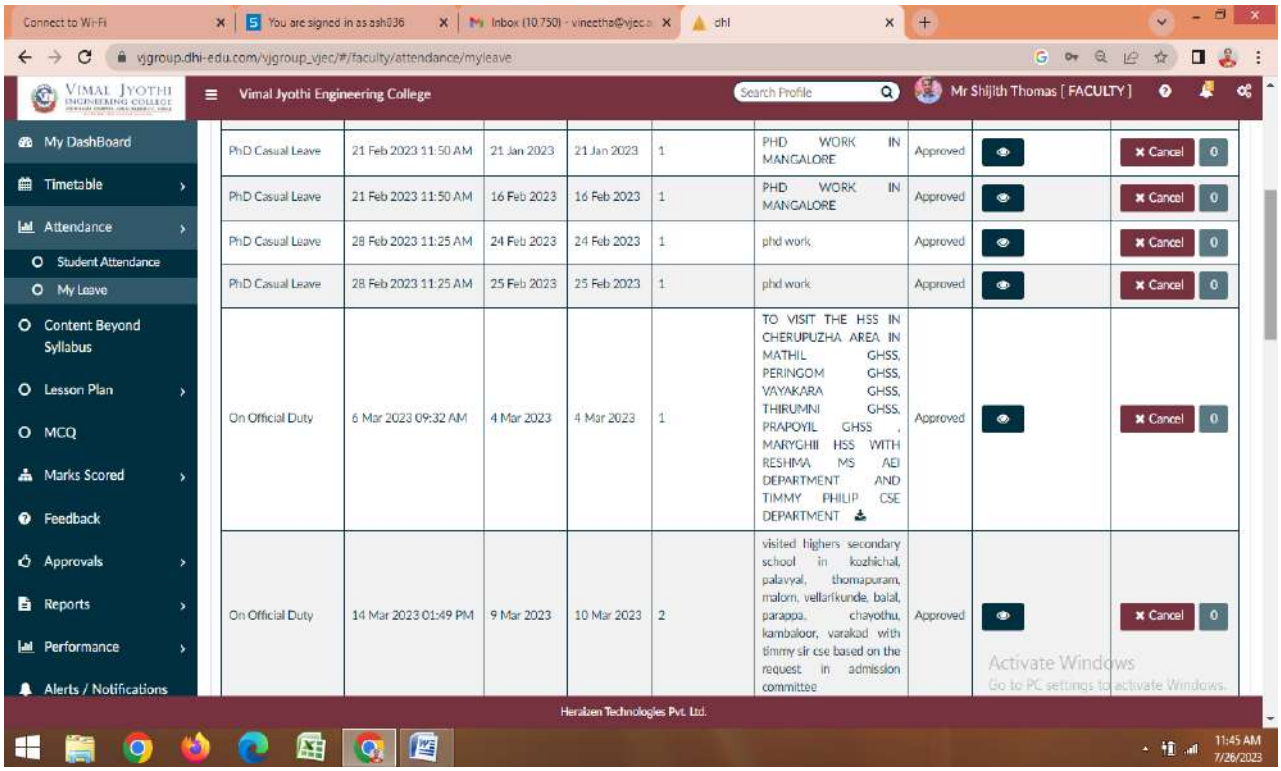
* This is a computer system (Digital File) generated letter. Hence there is no need for a physical signature.

PHD CASUAL LEAVE



Signature Not Verified

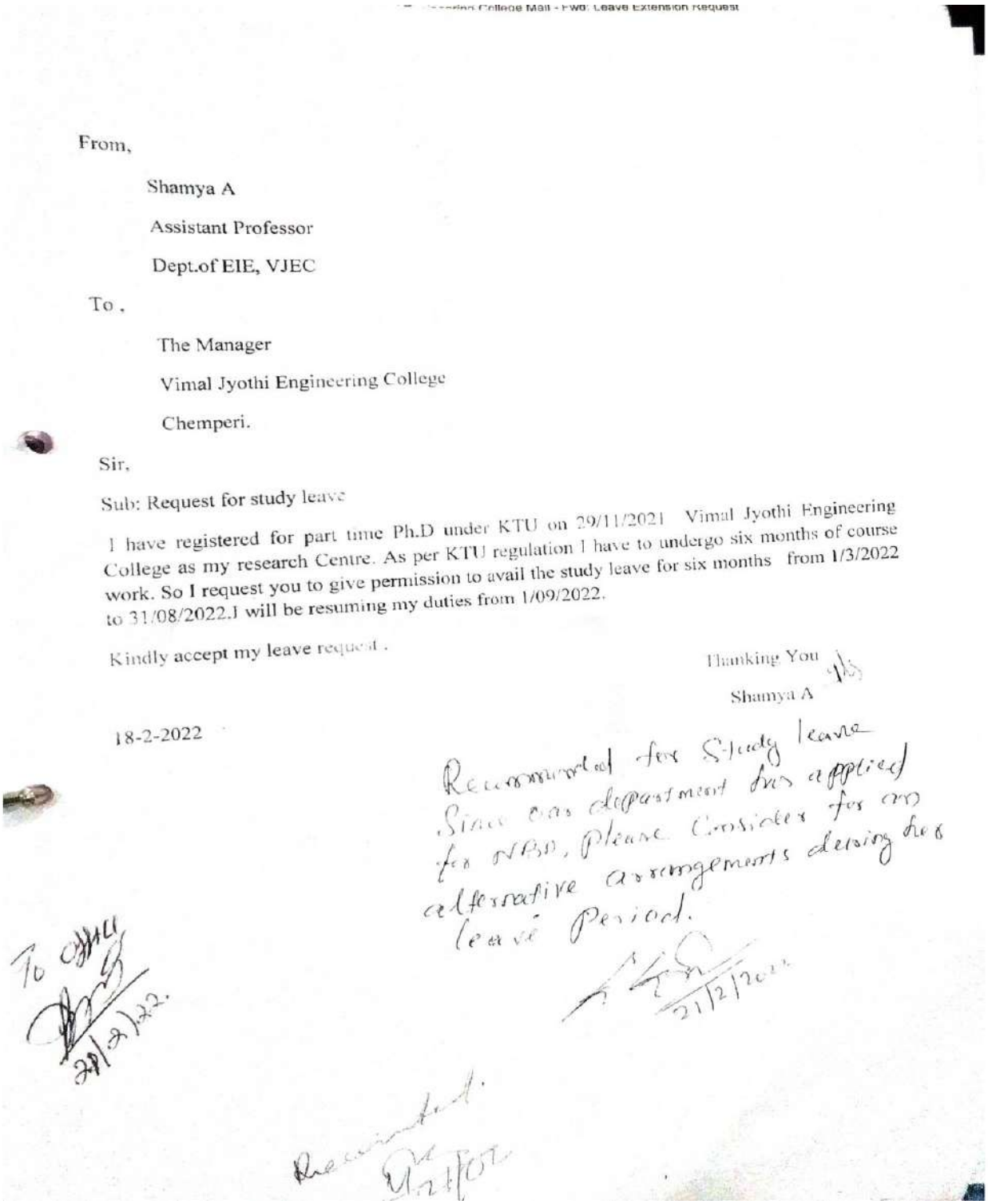
Principal.VJEC



Signature Not Verified

Principal.VJEC

PHD LEAVE,STUDY LEAVE



From,

Shamya A

Assistant Professor

Dept.of EIE, VJEC

To ,

The Manager

Vimal Jyothi Engineering College

Chemperi.

Sir,

Sub: Request for study leave

I have registered for part time Ph.D under KTU on 29/11/2021 Vimal Jyothi Engineering College as my research Centre. As per KTU regulation I have to undergo six months of course work. So I request you to give permission to avail the study leave for six months from 1/3/2022 to 31/08/2022.I will be resuming my duties from 1/09/2022.

Kindly accept my leave request .

Thanking You

Shamya A

18-2-2022

Recommended for Study leave
Since our department has applied for NBA, please Consider for an alternative arrangements during the leave Period.

21/2/2022

To Office

21/2/22.

Recommended.

Principal

Signature Not Verified

Principal.VJEC

From,

Shamya A

Dept Of EIE

VJEC

To,

The Principal

VJEC

Respected sir,

As per the university regulations I am on study leave from 1-03-2022 to 31-08 2022. Now Coursework exams of Ph-D are completed. Since I have the duty of class advisor of AEI batch 2022, I have to undergone the duties of first year admission and class management given from department from 10 th Aug 2022,

I have to be present in the college during my leave days since bootcamp classes scheduled from 10 th Aug. Requesting you to permit me to take the duties and consider the duties performed during my leave days.

Kindly do the needful.

Yours Sincerely

Shamya A

Date :13/8/2022

Recommended to Principal.
for Necessary action.
Ms. Shamya is alloted with 1st year
responsibilities. Since boot Camp
for 1st year students started her
service in the department is requested.

13/8/2022

16/8/22

Signature Not Verified

Principal.VJEC

From,

Ancy K. Sunny
Assistant Professor
Department of CSE
Vimal Jyothi Engineering College
Chemperi

To,

The Manager
Vimal Jyothi Engineering College
Chemperi

Sir,

Sub: Request for Study Leave

I have registered for Part Time Ph.D under KTU on 22/11/2021. As per KTU regulation, I have to undergo 6 months of course work. So, I request you to permit me to avail study leave for a period of 6 months starting from 01/03/2022. I will be resuming my duties from 01/09/2022.

I request you to accept my Study Leave.

Thanking you.

Yours' Sincerely

Ancy K Sunny

Chemperi,
14/02/2022

To Office
14/2/22.

Recommended

Forwarded
14/02/2022
Dr. Jeethu V
Dean
CSE

VJEC

To

The Principal
VJEC
Chemperi

Respected sir,

Sub: Request for availing 6 ~~moth~~ months leave for Ph.D course work.

As per KTU norms ph.D scholars should undergo 180 days of residential period. As I got admission and ~~I have~~ registered from Aug 2020 I have to complete this within one year. So I humbly request you to grand me leave from 12/10/2020 to 30/04/2021.

Allowed to join next academic year starting on 12/10/2020

Chemperi
12/10/2020

Thanking you

ROJIN P.

Recommended for HOD

Recommended for sanction
As per KTU regulations 180 days eligible leave to be taken in one year of Ph.D registration. Hence to complete course work they are bound to take leave with immediate

Signature Not Verified

Principal.VJEC

PhD Allowance: Version 1.0

Phd Allowance

- Special Allowance of Rs.1000/- per month is given to staff after he/she registered for Phd programme.

- No allowance will be given during Phd leave period

- Maximum allowance will be given for 30 months

- If the Phd programme is not completed within 4 years from the date of registration, the allowance collected must be refunded to college

- If the staff relives with in 5 years after the completion of Phd Programme the allowance collected must be refunded to the college.

BURSAR
VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI P.O. KANNUR (DT)

MANAGER
VIMAL JYOTHI ENGINEERING COLLEGE

PHD INCENTIVE

LIST OF FACULTY					
S.No	Name of the Ph.D Scholar	Name of the Department	Name of the Guide	Name of the University	Year of Registration
1	Ms. Divya B	CSE	Dr.Anto Sahaya Dhas	Kerala Tech. University , Kera	2019
2	Abdul Latheef	CSE	Dr.Glan Deva Dhas	Kerala Tech. University , Kera	2019
3	Ms Neena V V	CSE	Dr. P.B Sivakumar	Amrita University , Coimbato	2017
4	Ms Vidhya S S	CSE	Dr. M.SenthilKumar	Amrita University , Coimbato	2017
5	Anitha Babu	CE	Dr. Anand K B	Amrita University , Coimbato	2020
6	Rojin P	CE	Dr. Vandana Sreedharan	KTU	2020
7	Shelma George	EEE	Dr. Rajeev T	KTU	2021
8	Ryne PM	ME	Dr. P. Sridharan	KTU	2020
9	Midhun Mukundan MK	ME	Dr.Sudheesh Kumar	KTU	2019
10	Tintu George	EEE	Dr.Anto Sahaya Dhas	KTU	2020
11	Ancy K Sunny	CSE	Dr.Anto Sahaya Dhas	KTU	2021
12	Indulekha K M	EEE	Dr. Manoj Kumar M V	KTU	2021
13	Ms.Jerrin Yomas	ECE	Dr.R Dayana	SRM	2021
14	Mr.Vinod J Thomas	ECE	Dr.Anto Sahaya Dhas	KTU	2018
15	Mr.Manoj K C	ECE	Dr.Anto Sahaya Dhas	KTU	2017
16	Mr.Adarsh K S	ECE	Dr.R Manohari	SRM	2021
17	Ms.Shimna P K	ECE	Dr. A.Shirly Edward	SRM	2021
18	Ms.Lekshmy S	ECE	Dr.Sridhar K P	Karpagam Academy of Highe	2021
19	Mr. Binil Kumar	ECE	Dr.R Manohari	SRM	2021
20	Ms. Grace John	ECE	Dr.Baskar	Karpagam Academy of Highe	2021
21	Ms.Anusha Chacko	ECE	Dr.Shanty Chacko	Karunya Institute of Technol	2018
22	Ms. Ann Mathew	ECE	Dr. A Maria Jossy	SRM Institute of Science and	2021
23	Ms.Sudarshana Vijayan	ECE	Dr.Radhika P	SRM	2021
24	Ms.Shamya A	AEI	Dr.Vijikala V	KTU	2021
25	Ms.Reshma K V	AEI	Dr.A.Vimala Juliet	SRM	2021
26	Mr.Shinu MM	AEI	Dr.D Pamela	Karunya INSTITUTE OF TECH	2021
27	JINSA MATHEW	AEI	Dr.Joselin Ratnakumar	SRM	2022
28	DIVYA K	CSE	Dr. A.Shirly Edward	SRM	2022
29	Mr. Appu C Kurian	ME	Dr. R. Malkiya Rasalin Princ	KARUNYA INSTITUTE OF TECH	2022
30	Mr. Mejo M Francis	ME	Dr. Rajakumar S Rai	KARUNYA INSTITUTE OF TECH	2022

1	**VJEC Seed Money for Research and Innovation**
	The VJEC Seed Money for Research and Innovation is a funding initiative to encourage faculty to pursue research and innovation activities in emerging areas of regional, national and international importance. A maximum amount of Rs 50, 000 is awarded to support such activities.
2	**Objectives**
	➢ To support the faculty to initiate outcome oriented research activities ➢ To promote multidisciplinary/transdisciplinary research among the faculty ➢ To encourage faculty to develop innovative products and processes ➢ To inspire faculty to generate Intellectual Property Rights ➢ To validate innovative ideas/concepts to generate preliminary results before submitting proposals to external funding agencies ➢ To create strong interdisciplinary research groups ➢ To attract and retain talent ➢ To encourage the spirit of innovation and entrepreneurship
3	**Duration**
	The maximum duration of the seed grant is 6 months from the date of sanction.
4	**Eligibility Criteria**
	➢ Faculty with PhD or those who are perusing PhD can apply. ➢ Faculty should not have obtained seed money earlier. ➢ Faculty who have completed project(s) or having ongoing funded projects will not be considered. However, faculty who have submitted research proposals to funding agencies and awaiting results are eligible.
5	**Submission and Evaluation Process**
	Proposals submitted to the principal will be scrutinized by a team of HoDs and recommended proposals will be submitted to the manager for final approval.
6	**Project Review and Monitoring.**
	➢ The progress report should be submitted every 3 months. ➢ There will be a progress review meeting with an expert committee. ➢ Release of the subsequent fund will be approved based on the progress of work and the recommendations from the expert committee. ➢ On the completion of the project, the expert committee will recommend the Principal Investigator to take necessary action based on the outcome of the project.
7	**Expected Outcomes/Deliverables**
	The outcome needs to be at least one of the below: ➢ A minimum of two research publications in reputed journals. All the publications arising out of the seed money for research and innovation should acknowledge VJEC as follows: The author(s) acknowledge VJEC for providing VJEC Seed Money for Research and Innovation for carrying out this research work. ➢ Intellectual Property Right (IPR) for the process/product development with VJEC as the applicant and investigators as an inventor(s). ➢ Start-up through VJEC IEDC/IIC. ➢ Submit research proposals to external funding agencies.

Signature of policy approving authority	Chairman	Date of Approval:

17/01/23 17/01/23 21/02/23

Signature Not Verified

Principal.VJEC

SEED MONEY

LIST OF FACULTIES

Year	No . of Beneficiary	Amount
2022-23	4	2,00000

Sl.No	Name of faculty	Project Tiltle	amount
1	Ms.Anitta Jose	Durability and strength behaviour of nano material incorporated filament wound composite pipes	50000
2	Ms.Anitha Babu	Application of image recognition in safety management	50000
3	Mr.Appu Kurian	Tribological behaviour and charcterization of magnesium based nano composites	50000
4	Mr.Anoop K R	Indoor Smart Hydroponic system	50000

VIMAL JYOTHI
ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI – 670632, KANNUR, KERALA

Affiliated to APJ Abdul Kalam Technological University
Approved by AICTE • ISO 9001:2015 Certified
Accredited by Institution of Engineers (India), NBA, NAAC

FILE No. VJEC/SANCTION/----------

SANCTION LETTER

Manager, Vimal Jyothi Engineering college, Chemperi is pleased to sanction funding for the proposal as detailed below:-

Reference :	
Name of the Staff/faculty:	MR. APPU. C. KURIAN
Department :	MECHANICAL ENGINEERING
Purpose:	VJEC SEED GRANT RESEARCH WORK
Amount sanctioned :	Rs. 50,000/- (Fifty thousand only)

The proposed work need to be completed in time bound manner and report along with expenditure details to be submitted account section at an early date for audit in the current the financial year

Financial Sanction 31/08/23

Manager

Signature Not Verified

Principal.VJEC

From,

Appu kuriam
Asst. Prof, ME Dept
VJEC

Outcome
3/4th of international journal papers.

30/3/23

30/3/23

To,

The principal
VJEC

Sub:- Application for VJEC Seed grant as per the policy of VJEC VJEC/HR/01/023 dated 20.01.2023

Sir,

As part of encouraging the research work practice among faculties of VJEC, I would like to avail the opportunity to apply for the VJEC seed grant money for doing the work titled 'Tribological behaviour and characterisation of magnesium based nano-composites' by myself as PI and Dr. Christopher Ezhil Singh as the co-PI. Kindly go through the proposal and grant me the opportunity to conduct this research, if found satisfactory.

Yours faithfully

28/03/2023

Appu kuriam

Chempazhi
28/03/2023

Recommended

31/03/23.

29/03/23

Signature Not Verified

Principal.VJEC

14. Budget:

Sl.No	Item Description	Type (Equipment /Consumable/Testing Charges/Others)	Qty	Unit Price in Rs.	Amount in Rs.	Justification
01	Material- Mg-Ingot	Consumable	7000 gm	1,575/Kg	11,025	Base metal
02	Material-Zinc	Consumable	500gm	2,360/kg	1,180	Added in percentage
03	Material-Sr	Consumable	150gm	35,400/Kg	5,310	Added in percentage
04	Material-HA	Consumable	200gm	73,160/Kg	18,290	Added in percentage
05	Sample preparation-Stir Casting	Stir Casting – Product(s)	7	3,300	23,100	Inert atmosphere is required
06	SEM&EDAX	Testing Charges- AFTER CASTING Testing Charges AFTER WEAR TEST	7 specimen *2 times	800	11,200	Testing to be done in DINDIGUL-Gandhigram institute
07	TEM	Testing Charges	1	6,750	6,750	Testing on Nano sized HA particle only
08	XRD	Testing Charges- AFTER CASTING Testing Charges AFTER WEAR TEST	7 specimen *2 times	400	5,600	Testing to be done in KANNUR UNIVERSITY CAMPUS IN PAYYANUR
09	Sliding Test	Testing Charges-VARYING SLIDING DISTANCE AND VARYING WEIGHT	7	1,500/SLIDING DISTANCE/SPECIMEN	10,500	Only one sliding distance is testing with different weights. That is applicable to 7 specimen
Total (in INR)					92,955/-	

Sanctioned to purchase materials for this Project.

Proj advance 50000/- Rs. Lakh

Vimal Jyothi Engineering College

Chemperi

FILE No. VJEC/SANCTION/----------

SANCTION LETTER

Manager, Vimal Jyothi Engineering College, Chemperi is pleased to sanction funding for the proposal as detailed below:-

Reference :	Request letter Dated on 21/02/2023
Name of the Staff/faculty:	ANOOP K R
Department :	DEPARTMENT OF MECHANICAL ENGINEERING
Purpose:	The amount for the purchase of components required for the project 'Indoor Smart Hydroponic System'.
Amount sanctioned :	Rs. 50,000/-

The proposed work needs to be completed in time bound manner and the report along with expenditure details to be submitted account section at an early date for audit in the current financial year

Date:

Bursar

Fr. Lazar Varambakath
ADMINISTRATOR & BURSAR
VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI - 670 632, KANNUR DT.

Manager

Fr. JAMES CHELLAMKOTTU
MANAGER
VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI - 670 632
KANNUR DIST.

From

Anoop k R
Assistant Professor
VJEC, Kannur

To

The Principal
VJEC, Kannur

Sub: List of components to be procured for the proposed project titled 'Indoor Smart Hydroponics System'.

Respected Sir,

In order to implement the proposed Indoor Smart Hydroponics System, it is necessary to purchase several components. Please find attached the list of components needed to make the first prototype, which costs Rs 85,432/-. Please support the procurement of these items.

Regards and thanks

Anoop KR
15/01/2023

Recommended

An advance of Rs 50,000/- may be released for the purchase of components online.

Principal
15/2/23

Signature Not Verified

Principal.VJEC

Project Proposal

Project Title: **Indoor Smart Hydroponic System**

Category: **Agriculture-based IoT Project**

Submitted by: **Anoop K R,**

Assistant Professor

Mechanical Engineering

Vimal Jyothi Engineering College

Submission date: 21st January 2023

Project Start Date: **13th February 2023**

(Expected, depending on the fund allocation)

Expected Project End Date: **28th February 2024**

Completion of the initial prototype by: 15th April 2023

Proposed Amount: Rs. **1,38,150/-** (Rupees One lakh thirty-eight thousand one hundred and fifty only)

(Please refer to Appendix: A, Detailed Expense section)

21/01/2023

Anoop K R

Application format for Research Seed Money

1. Title of the Research Proposal: **Durability and Strength Behaviour of Nanomaterial Incorporated Filament wound Composite Pipes**

2. Name & address & experience of Investigator
(Mobile No. and e-mail are mandatory):

Anitta Jose
Assistant Professor
Dept. of Civil Engg.
Vimal Jyothi Engineering College
Mob: 8606668696
E-mail ID: anittatreesajose@gmail.com

3. Teaching experience of Principal Investigator: **3.8 years**

4. Objectives of Research (150 words):
To carry out a detailed experimental study on durability and strength behaviour of filament wound nanocomposite pipe under chronic environmental conditions namely moisture absorption and hydrothermal ageing

5. Broad Subject area / field of classification:
Structural Engineering (Civil Engineering)

6. Project Type(s) (Basic Research / Applied Research / Developmental / Demonstration /Others:
Applied Research and Developmental

7. Abstract (400 words):
India has got an elaborate pipeline transport network and its application spans from domestic to industrial purposes. These ensures an uninterrupted flow of water, oil, natural gas and non-conventional fossil fuels as well as biofuels. Conventional pipelines are made from metals or ceramics and in recent decade it has been replaced by High Density Polyethylene (HDPE) pipes. HDPE pipes have satisfactory performance compared with traditional pipeline materials, but several cases of failure and areas for improvement were identified by researchers. The bursting of water pipes is a common occurrence that is attributable to instances of improper pipework or an unequal subjection of water pressure. Pipes can also be subjected to pull-out failure and this occurs mainly at the junction between horizontal buried pipes and vertical build structures, such as pump stations. These observed failures resulted in stringent codes of practice for manufacturing and pipeline installation, accompanied by development of higher performance materials and the associated test methodologies that validate their performance.

Fibre reinforced polymer (FRP) composites are material forms which consist of strong fibres (continuous) bound in a polymeric matrix. FRP has good corrosion resistance and high strength-to-weight ratio. It has been proved recently that the mechanical properties (such as

14. Budget Details: Estimated expenditure

Sl. No	Item	Amount (Rs.)
1.	Consumables- composite manufacturing, pipe fabricatio charges **(Do not exceed 20% of the total amount)**	15,000
2.	Composite pipe manufacturing and coupon extraction	40,000
3.	Inter college lab facilities	7000
4.	Travel **(Do not exceed 10% of the total amount)**	8000
5.	Contingencies **(Do not exceed 10% of the total amoun**	10,000
	Total	80,000

15. The sources of funding the project including funds from other agencies from which financial assistance is obtained/expected to be obtained, and the quantum of assistance from each agency: **NIL**

16. Quantum and nature of assistance expected from the VJEC:

Full financial assistance for the successful completion of the research project

17. Whether grant under this scheme had been availed earlier by the investigator: (If so, provide details): **No**

18. Details of projects already undertaken by the Principal Investigator with any other funding agency: **No**

Declaration

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by VJEC. I also undertake to abide by the rules and other conditions prescribed by the grantee. I hereby assure that, after successful completion of the proposed research, two journal publications will be acknowledged in the name of VJEC in reputed journals.

Anitta Jose 11/5/23

Name and Signature of the Investigator

11/5/23

Name and Signature of Head of the Institution

(Office seal)

Place: Chemperi

Date: 11/5/23

Forwarded to Manager

12/05/23

12/5/23

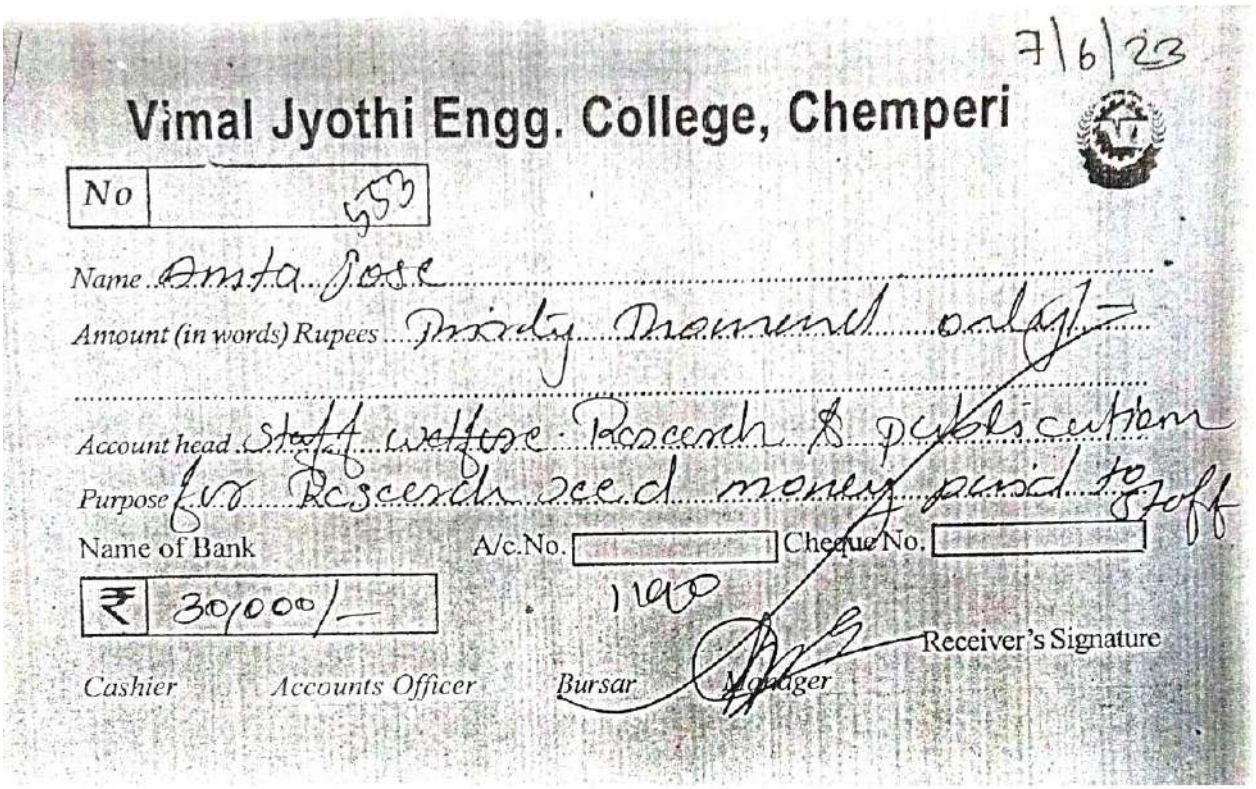
Sanctioned Rs - 50000/-

Pay advance Rs - 30000/-

29/5/23

Signature Not Verified

Principal.VJEC



7/6/23

Vimal Jyothi Engg. College, Chemperi

No 553

Name Anita Jose

Amount (in words) Rupees Thirty Thousand only

Account head Staff welfare, Research & Publication

Purpose for Research Seed money paid to Staff

Name of Bank A/c.No. Cheque No.

₹ 30,000/-

1190

Cashier Accounts Officer Bursar Manager Receiver's Signature

Signature Not Verified

Principal.VJEC

Application format for Research Seed Money

1. Title of the Research Proposal: **Application of Image Recognition in Safety Management-Building Constructions**

2. Name & address & experience of Investigator

(Mobile No. and e-mail are mandatory):

Anitha Babu
Assistant Professor
Dept. of Civil Engg.
Vimal Jyothi Engineering College
Mob: 7736110753
E-mail ID: anitha02beti@gmail.com

3. Teaching experience of Principal Investigator: **8 years 11 Months**

4. Objectives of Research (150 words):

Introduction of image recognition in construction industry as a solution for better safety management based on the analysis.

5. Broad Subject area / field of classification:

Construction Management (Civil Engineering)

6. Project Type(s) (Basic Research / Applied Research / Developmental / Demonstration /Others:

Applied Research and Developmental

11. Particulars of equipment required:

Sl. No.	Item	Rate	Quantity	Total
1	5MB DVR HIK VISION 4 CHANNEL	6200	1	6200
2	1 TB TOSHIBA SURVEILLANCE HARD DISK DRIVE	3350	1	3350
3	ERD SMPS POWER SUPPLY 4 CHANNEL 5amz, 12v Dc,	690	1	690
4	HIK-VISION 5MP BULLET CAMERA Water & wether proof, 3.6mm lence,20mtr IR, HD voice recording	1980	4	7920
5	CO BOX	40	4	160
6	BNC CONNECTOR HEAVY DUTY cctv cable connector	35	8	280
7	DC CONNECTOR HEVY DUTY Camera power connector	20	4	80
8	D-LINK 3+1 CCTV CABLE (Aprox)	25	50	1250
9	INSTALLATION AND DVR CONFIGURATION CHARGE	1000	1	1000
10	SOFTWARE TRAINING	35000		35000
	TOTAL			**Rs 55,930**

Sanctioned Rs. 50000/-

Pay advance Rs- 30000/-

29/05/23

Signature Not Verified

Principal.VJEC

12. Particulars of any other facilities required: **Nil**

13. Whether the project was submitted to any other organization for financial support: **NO**

14. Budget Details: Estimated expenditure

15. The sources of funding the project including funds from other agencies from which financial assistance is obtained/expected to be obtained, and the quantum of assistance from each agency: **NIL**

16. Quantum and nature of assistance expected from the VJEC:

Full financial assistance for the successful completion of the research project

17. Whether grant under this scheme had been availed earlier by the investigator: (If so, provide details): **No**

18. Details of projects already undertaken by the Principal Investigator with any other funding agency: **No**

Declaration

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by VJEC. I also undertake to abide by the rules and other conditions prescribed by the grantee. I hereby assure that, after the successful completion of the proposed research, two journal publications will be acknowledge in the name of VJEC in reputed journals.

Amithra Babu

Name and Signature of the Investigator

10/05/2023
HOD, CE.

(Office seal)

Name and Signature of Head of the Institution

Forwarded to Manager

12/05/23

Place:

Date:

Signature Not Verified

Principal.VJEC

7/6/23

Vimal Jyothi Engg. College, Chemperi

No 498

Name Ms. Anu Mes Babu

Amount (in words) Rupees Thirty Thousand only/-

Account head Research & publications

Purpose for Research seed money paid to Ms.

Name of Bank A/c.No. Cheque No.

₹ 30,000/-

1190

Cashier Accounts Officer Bursar Manager Receiver's Signature