



Jyothi Engineering College

Reaccredited with NAAC (Grade A) and NBA Programmes*

Approved by AICTE and Affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE AND TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETIKATTIRI P.O., CHERUTHURUTHY, THRISSUR, 679531 | Ph. +91 4884 259000 | info@jecc.ac.in | www.jecc.ac.in



*NBA reaccredited BTech Programmes in Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering valid till 2025

JEC/RD/23/10/001

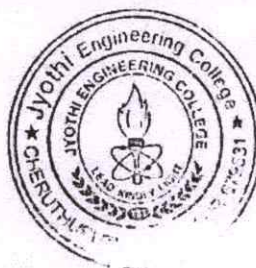
01/08/2023

RESEARCH INCENTIVE SCHEME (RIS)

The Jyothi Engineering College, Cheruthuruthy Research Incentive Scheme (JECC-RIS) is designed to promote and support research activities among faculty and students within the institute. This scheme aims to foster a culture of inquiry, innovation, and academic excellence by providing incentives and resources to encourage research endeavours. This helps to create a vibrant research ecosystem within the college, ultimately benefiting both the institution and the broader community. By promoting research, innovation, and intellectual growth, the scheme will contribute to the college's reputation and its role in advancing knowledge.

The Faculty/Students within the institute are eligible for research incentives based on the criteria given in the table.

Sl. No.	Type of Research Activity	Faculty / Student with Jyothi Affiliation	Author Position	Research Incentive
1	Journal Publication - SCI/SCIE/ESCI	Faculty	First Corresponding and	Rs. 10,000/-
			Other Author positions	Rs. 6,000/-
		Students	First Corresponding and	Rs. 5,000/-
2	Journal Publication - SCOPUS	Faculty	First Corresponding and	Rs. 5,000/-
			Other Author positions	Rs. 2,500/-
		Students	First Corresponding and	Rs. 2,500/-
3		Faculty	First Corresponding and	Rs. 5,000/-



Jose P Therattil

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Principal
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Cheruthuruthy - 679531





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	Conference indexed with SCI/SCOPUS Proceedings		Other positions	Author	Rs. 2,500/-
		Students	First and Corresponding	and	50% of the registration fee with a maximum cap of Rs. 5,000/-
4	Patent-Published	Faculty Students /	First		Rs. 3,000/-
			Other Positions	Author	Rs. 2,000/-
5	Patent-Granted	Faculty Students /	First		Rs. 7,000/-
			Other Positions	Author	Rs. 3,000/-
		Granted with Institute as one of the inventors/Assignees	NA		Rs. 20,000/-
6	Funded Projects	<ul style="list-style-type: none"> The principal Investigator and other Investigators will get the allotted amount as such, specified in the sanction order by the funding agency. <p style="text-align: center;">ELSE</p> <ul style="list-style-type: none"> The incentive will be paid to the team of Investigators of research projects with external funding in an amount equal to 50% of institutional overhead. This incentive will be paid in two parts - 30% after receipt of the 70% of the project amount and the remaining 20% on completion of the project and receipt of the balance amount of the project. Among the total eligible incentives, 70% is allocated to the Principal Investigator, and the remaining 30% is distributed among the other Investigators 			
7	Consultancy project	If there is a substantial contribution by the Faculty Member and the Staff in the consultancy project and no resources of the College (like laboratory, computer, software etc.) utilized,			



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	<p>the members involved in the consultancy project will take 80% of the total net amount so received by the Institution and 20% will go to the College. If there is more than one person involved in the consultancy project, the amount will be equally distributed.</p> <p>If College resources, such as laboratories, computing facilities, drafting, or other facilities, are utilized in the consultancy project, the College's share will be 50% of the net amount received from the consultancy work, with the remaining 50% allocated to the Faculty and other Staff involved in the project.</p>
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NOTE

- Only one claim will be sanctioned associated with a particular research activity.
- In student publications, Faculty members are not eligible for the claim.
- For conferences indexed in SCI/Scopus, 50% of the allotted amount can be claimed for registering the conference and remaining 50% will be sanctioned after submitting the paper to JECC research cell and respective department.
- For Patents, one part of the incentive will be given after publishing and remaining will be sanctioned after granting as per above table.
- The RIS facility is limited to a maximum cap of Rs. 25,000/- per faculty in a financial year.
- Recommendations are to be made through the JEC-Research Cell and the final decision will be taken by the Management in consultation with Principal.

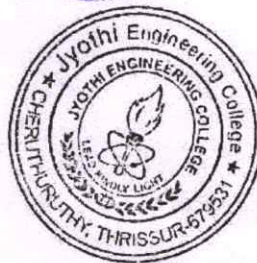
Copy to,

Principal
Research Cell
Director Research
All HOD's
Office



d. Thomas Kakkassery

Executive Manager



Josek

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JEC/RD/22/03/01

08/02/2023

ORDER

Jyothi Engineering College, in line with our ongoing commitment to promote research and scholarly activities, is offering Research Incentives under RIS policy (No: JEC/2/A/8/21) for eligible faculty publications during the financial year 2020-21 & 2021-22. The list of eligible publications for the Research Incentive in the financial years 2020-21 & 2021-22 is enclosed.

+

A. Thomas Kakkasery
Executive Manager

Copy to,

The principal
Finance Manager
Research Cell
Office File
Faculty Members



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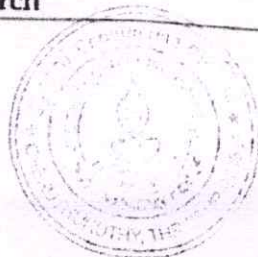
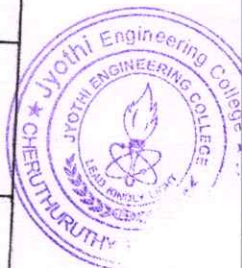
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08/02/2023

RESEARCH INCENTIVE SCHEME LIST OF ELIGIBLE FACULTY PUBLICATIONS ACADEMIC YEARS 2020-21 & 2021-22

Sl. No	Name of the Faculty	Paper Title	Indexing	RIS proposed Amount
1	Dr. B. Deepanraj	Green energy for environmental sustainability	SCI	4900
2	Dr. B. Deepanraj	Second law based thermodynamic analysis of crushed gravel sand and biomass evaporator assisted solar still	SCI	2450
3	Dr. B. Deepanraj	Thermal performance, cost effectiveness and environmental analysis of a heat pump assisted regenerative solar still using slack wax as heat storage material	SCI	2450
4	Dr. C Karthik	Comprehensive Review on Modelling, Estimation, and Types of Faults in Solar Photovoltaic System	SCI	2100
5	Dr. C Karthik	Identifying Influencing Factors of Road Accidents in Emerging Road Accident Blackspots	SCI	2100
6	Dr. C Karthik	Big data visualization for in-situ data exploration for sportsperson	SCI	2100
7	Dr. Sunny Joseph Kalayathankal	Spectrum of corona products based on splitting graphs	SCI	2100
8	Praveen Raj	Islanding power quality detection using lighting search optimization with deep learning model on distributed generation systems	SCI	2450
9	Praveen Raj	A critical evaluation of additive blended cashew nut shell liquid blended biodiesel performance in compression ignition engine	SCI	2100
10	Dr. Prajoon P	InGaAs based gratings for UV-VIS spectrometer in prospective mRNA vaccine research	SCI	2100



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11	Dr. Prajoon P	Physics based modeling of AlGa _N /BGa _N quantum well based ultra violet light emitting diodes.	SCI	2100
12	Dr. Prajoon P	Influence of Interface trap distributions over the device characteristics of AlGa _N /Ga _N /AlIn _N MOS-HEMT using Cubic Spline Interpolation technique	SCI	2100
13	Dr. Alwyn Varghese	Impact of heating cooling regime on flexural behaviour of self-compacting beams exposed to elevated temperatures	SCOPUS	900
14	Dr. Anand Krishnan N	Influence of Toughness and Retained Austenite on Wear Behaviour of Carbide-Free Bainite in High Silicon Steel	SCI	2100
15	Dr. Jarin T	Hybridization of long short-term memory with Sparrow Search Optimization model for water quality index prediction	SCI	2450
16	Dr. Jarin T	Modeling and control of a hybrid electric vehicle to optimize system performance for fuel efficiency	SCI	2450
17	Dr. Jarin T	Intelligent wild geese algorithm with deep learning driven short term load forecasting for sustainable energy management in microgrids	SCI	2100
18	Dr. Aswathy SU	A Review on State-of-the-Art Techniques for Image Segmentation and Classification for Brain MR Images.	SCI	4900
19	Dr. Deepanraj B.	Technologies for Water Quality and Wastewater Management in Developing Countries	SCI	2450
20	Dr. Deepanraj B.	Biogas from food waste through anaerobic digestion: optimization with response surface methodology	SCI	2450
21	Dr. Deepanraj B.	Effect of solid concentration on biogas production through anaerobic digestion of rapeseed oil cake	SCI	2450
22	Dr. Shijoh V	Performance comparison of estimation-based control schemes for hybrid systems	SCI	2100



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23	Dr. Jarin T	Biodegradation of P-nitro phenol using a novel bacterium Achromobacter denitrificans isolated from industrial effluent water	SCI	2100
24	Dr. Jarin T	An elitist control scheme for power flow management in smart grid system: a hybrid optimization scheme	SCI	2100
25	Dr. Jarin T	An Empirical Verification of the Proposed Distributor Marketing Intelligence System (DMiS) Model	SCOPUS	900
26	Dr. Sunny Joseph Kalayathankal	A modified fuzzy approach to project team selection	SCOPUS	1050
27	Dr. Sunny Joseph Kalayathankal	The vertex distance complement spectrum of subdivision vertex join and subdivision edge join of two regular graphs	SCOPUS	900
28	Dr. C. Karthik	Machine Learning for Modeling and Control of Industrial Clarifier Process	SCI	2450
29	Dr. RajaLakshmi	Machine Learning for Modeling and Control of Industrial Clarifier Process	SCI	2450
30	Dr. Cijil B. John	Emission Characteristics of Third Grade Oil Converted Sesame Biodiesel	SCOPUS	900
31	Praveen Raj,	Tensile and shear strength evaluation in joining dissimilar plates of mild steel with aluminium alloy through explosive cladding approach	SCOPUS	2100
32	Manoj Kumar V. K,	Tensile and shear strength evaluation in joining dissimilar plates of mild steel with aluminium alloy through explosive cladding approach	SCOPUS	450
33	Sukesh O. P	Tensile and shear strength evaluation in joining dissimilar plates of mild steel with aluminium alloy through explosive cladding approach	SCOPUS	450
34	Praveen Raj	Thermodynamic analysis of single slope solar still using graphite plates and block magnets at seasonal climatic conditions	SCI	2100
35	Dr. Anoop V	Early detection of breast malignancy using wavelet features and optimized classifier	SCI	2100



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36	Dr. Anoop V	Exploitation whale optimization based optimal offloading approach and topology optimization in a mobile ad hoc cloud environment	SCI	4900
37	Dr. Aswathy SU	AARIN: Affordable, accurate, reliable and innovative mechanism to protect a medical cyber-physical system using blockchain technology	SCOPUS	900
38	Dr. Aswathy SU	Automated Detection and Classification of Meningioma Tumor from MR Images Using Sea Lion Optimization and Deep Learning Models	SCI	4900
39	Dr. Aswathy SU	Autonomous Intelligent Vehicles (AIV): Research statements, open issues, challenges and road for future	SCOPUS	900
40	Dr. Vinith R	Performance improvement for metro passenger flow forecast using spatio-temporal deep neural network	SCI	2100
41	Dr. Sunny Joseph Kalayathankal	Strongly Connected Interval Valued Fuzzy Graphs	SCOPUS	900
42	Dr. Prajoon P	Optical Grating Techniques for MEMS based Spectrometer -A Review	SCI	2100
43	Dr. Prajoon P	Numerical investigation of traps and optical response in III-V nitride quantum LED	SCI	2100
44	Dr. Prajoon P	A Numerical Investigation of Heat Suppression in HEMT for Power Electronics Application"	SCI	2100
45	Dr. Anoop V	Super-Resolution Based Automatic Diagnosis of Retinal Disease Detection for Clinical Applications	SCI	4900
46	Dr. Anoop V	CCGPA-MPPT: Cauchy preferential crossover-based global pollination algorithm for MPPT in photovoltaic system	SCI	2100
47	Dr. Deepanraj B.	Thematic issue: energy provision from organic by-products, residues, and wastes in Asia	SCI	4900



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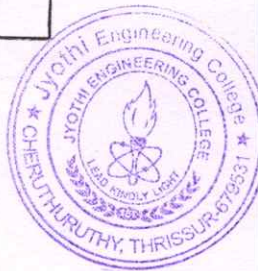
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48	Dr. Deepanraj B.	Production, optimization and engine characteristics of beef tallow biodiesel rendered from leather fleshing and slaughter house wastes	SCI	2450
49	Dr. Deepanraj B.	Influence of fatty acid composition on process optimization and characteristics assessment of biodiesel produced from waste animal fat	SCI	2100
50	Dr.Jarin T	Synthesis and characterization of L-threonine ammonium bromide: grown on single crystal with experimental studies on NLO	SCI	2100
51	Dr.Jarin T	Intelligent Parking Management System using Dijkstra's Algorithm with Driver Preferences	SCOPUS	1050
52	Dr.Jarin T	Neural Proliferation using Brain stimulation Methods Intended for Pediatric Neuropsychiatric Population: A Hypothesis and Theoretical Investigation	SCOPUS	900
53	Dr Aswathy SU	A Novel Approach to White Light Radiation from Silicon Based Tunnel Junction LEDs	SCI	2100
54	Dr Aswathy SU	A tumour segmentation approach from FLAIR MRI brain images using SVM and genetic algorithm	SCI	2450
55	Dr Aswathy SU	A multimodal biometric authentication scheme based on feature fusion for improving security in cloud environment	SCOPUS	900
TOTAL				120300



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RESEARCH ASSISTENCE FUND			
SL NO.	NAME	ACCOUNT NUMBER	AMOUNT
1	SUKESH O P		
2	MANOJ KUMAR	5556053000092398	
3	ALWYN VARGHESE	5556053000049134	450
4	CUJIL B JOHN	5556053000091923	450
5	SHIJOH	0059053000094094	900
6	ANANDKRISHNAN	5556053000013004	900
7	SUNNY JOSEPH KALAYATHINKAL	5556053000103236	2100
8	PRAVEEN RAJ	0116053000012336	2100
9	KARTHIK K C	5556053000092413	4950
10	PRAJOON P	5556053000092301	8750
11	V.ANOOP	5556053000044893	11200
12	JARINT	0095053000045613	12600
13	DEEPAN RAJ	5556053000036148	14000
	TOTAL	5556053000092336	16150
			26600
			101150



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JYOTHI ENGINEERING COLLEGE
Research & Development Fund Exp.
Ledger Account

1-Apr-2022 to 31-Mar-2023

Page 1
Credit

Date	Particulars	Vch Type	Vch No.	Debit	Credit
7-5-2022	Cr (as per details)	Cash/Bank Payment	162	2,167.00	
	Travelling Expenses (UR)	1,200.00 Dr			
	Office Expenses	695.00 Dr			
	Travelling Expenses (UR)	3,500.00 Dr			
	Federal Bank A/c -15250100001019	7,562.00 Cr			
	Staff				
	Abraham P A	2,167.00 Dr			
	<i>BEING AMOUNT PAID TO ABRAHAM P A FOR EXPENSES. SUPPORTINGS ATTCHED.</i>				
8-6-2022	Cr (as per details)	Cash/Bank Payment	348	3,750.00	
	Travelling Expenses (UR)	1,500.00 Dr			
	Repairs & Maintenance (UR)	1,650.00 Dr			
	Salary & Allowances	3,025.00 Dr			
	Federal Bank A/c -15250100001019	9,925.00 Cr			
	Staff				
	Delma Wilson (JRF)	3,750.00 Dr			
	<i>BEING AMOUNT PAID TO ABHILASH FOR EXPENSES</i>				
16-12-2022	Cr ICICI Bank SB A/c No.266101000784	Cash/Bank Payment	1407	10,000.00	
	Inter Bank Transfer	3046428698 16-12-2022	10,000.00 Cr		
	Departments				
	I & E	10,000.00 Dr			
	<i>FINANCIAL ASSISTANCE TO ARJUN K M FOR ROBOWAR</i>				
28-2-2023	Cr ICICI Bank SB A/c No.266101000784	Cash/Bank Payment	1906	1,01,150.00	
	Cheque	28-2-2023	1,01,150.00 Cr		
	Academic				
	Addon Course	1,01,150.00 Dr			
	<i>BEING RESEARCH ASSISTANCE FUND PAID TO STAFF. SUPPORTINGS ATTACHED.</i>				
3-3-2023	Cr (as per details)	Cash/Bank Payment	1920	4,000.00	
	Postage & Telegram	77.00 Dr			
	Salary Payable	4,400.00 Dr			
	Printing & Stationary	250.00 Dr			
	Federal Bank A/c -15250100001019	8,727.00 Cr			
	Departments				
	Research Dept.	4,000.00 Dr			
	<i>BEING PAID TO NICE MENACHERY FOR DESIGN PATENT EXPENSES, POSTAL EXPENSES, TA,PHOTOSTAT CHARGES ANDDAILY WAGES FOR FEB17 TO FEB 28: (9*550)</i>				
				1,21,067.00	
Dr	Closing Balance				1,21,067.00
				1,21,067.00	1,21,067.00



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