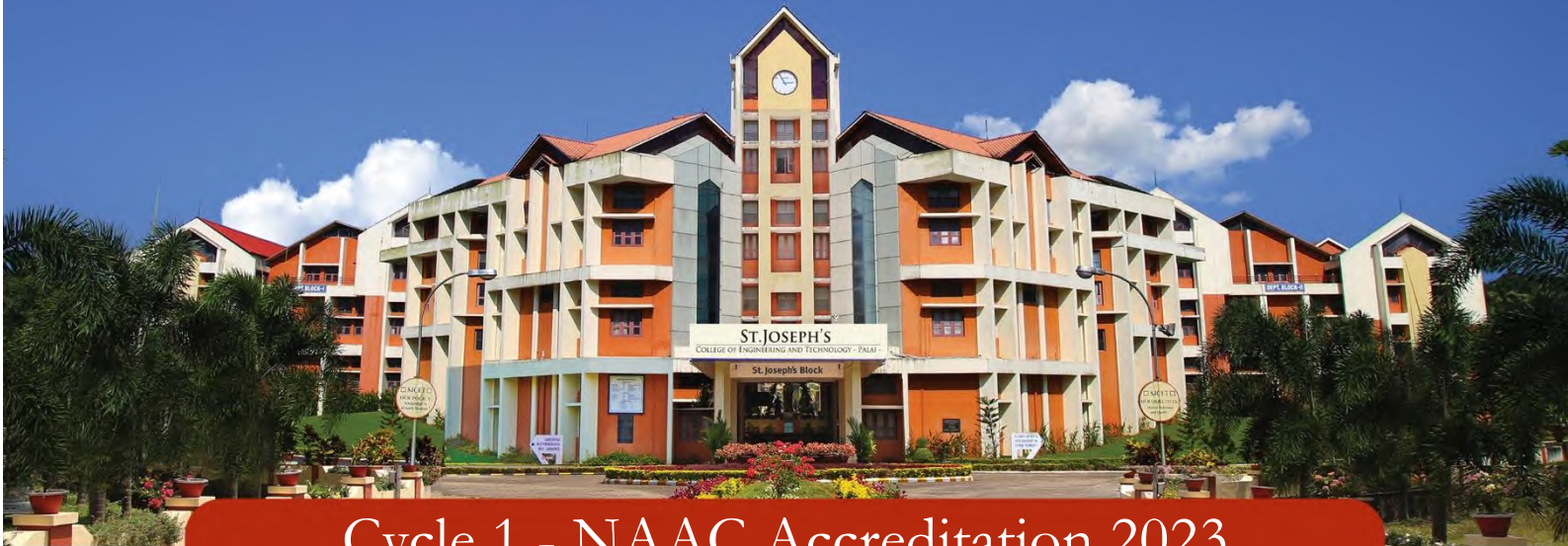




# ST. JOSEPH'S

COLLEGE OF ENGINEERING  
AND TECHNOLOGY,  
- PALAI -

Choondacherry P.O., Palai, Kottayam Pin 686579, Kerala, India  
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Cycle 1 - NAAC Accreditation 2023

Criterion – 6.3

## Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures and Performance Appraisal System for teaching and non-teaching staff

*Submitted to:*



**National Assessment and Accreditation Council**

## Criterion – 6.3.1

### **8. Research**

#### CONTENTS

Research Policy

Research Publications Incentives order

Research Guides List

KTU Guideship letter Samples



## 8. RESEARCH POLICY

In line with the vision of the college to develop into a world class pace setting institute of engineering and technology, college is committed to promote research and development. Research and developmental activities create and disseminates new knowledge in a range of fields, promotes innovation and these will motivate better learning and teaching among faculty and students of St. Joseph's College of Engineering and Technology, Palai. In order to achieve this, research policy of St. Joseph's College of Engineering and Technology is implemented.

### 1. Purpose

The purpose of the Research Policy is to create a vibrant atmosphere of research among faculty and researchers at St. Joseph's College of Engineering and Technology, Palai. The policy shall serve as an overall framework within which research activities may be carried out.

### 2. Objectives

- To create an enabling environment at St. Joseph's College of Engineering and Technology, Palai, in order to foster a research culture as well as provide required support through research framework and guidelines.
- To ensure high level of efficient and effective support system to facilitate faculty and researchers in their research activities.
- Ensure publications in quality journals, indexed in SCI/SCIE/SSCI with good impact factor.
- To nurture an environment of undertaking socially useful research with potential for commercialization.
- Establish Research Centres in all disciplines in accordance with the research policies of the affiliating university.
- Forge interdisciplinary collaborations and partnerships nationally and globally.

Prepared by:

Verified by:

Approved By:





### 3. Custodian of Policy

The implementation and updating of Research Policy shall be carried out in accordance with the research policy guidelines of the affiliating university. The Research Policy shall have a research advisory body with HoDs of all departments and Dean (Research) to function under the Principal, St. Joseph's College of Engineering and Technology, Palai, to assist and advise in matters related to research.

### 4. Policy and Guidelines

#### 4.1 Undertaking Research

Faculty members of St. Joseph's College of Engineering and Technology are expected to undertake research, leading to quality publications, presentations in National/International conferences of repute, generation of Intellectual property with potential for commercialization, socially useful outcome and other similar research activity.

#### 4.2 Obligations of faculty and researchers

Research output will be considered one of the criteria for faculty recruitment and promotion along with other academic responsibilities.

#### 4.3 Recruitment and Promotion

St. Joseph's College of Engineering and Technology, Palai shall recruit such faculty members and researchers who have demonstrable/demonstrated capability in research.

Faculty promotion may significantly depend on research undertaken. The quality of research output, especially research publications, may be assessed on the established yardsticks such as Impact Factor (IF) and which will be revised from time-to-time as appropriate.

#### 4.4 Incentives for publication and attending conference.

In order to encourage faculty members to publish their research work in reputed journals, monetary incentives may be implemented.

##### 4.4.1 Eligibility and Conditions for monetary incentives for journal publication

Prepared by:

Verified by:

Approved By:





1. Research papers should have been published in Science Citation (SCI/SSCI/SCIE) indexed journals. Papers in “communicated” or “accepted” status are not eligible.
2. Affiliation of the faculty in the published paper should be “St. Joseph’s College of Engineering and Technology, Palai”
3. First author and co-authors from the college are eligible. If there is one co-author from the college, the amount will be equally shared between the first author and the co-author.

In case, the co-authors are two or more, half of the amount will be given to the first author and the remaining amount will be equally shared between the co-authors from the college

4. An author is eligible to receive this incentive for a maximum of two papers in an academic year
5. First author should submit a written request to Principal, through respective HoD and Dean (Research) with the copy of the published paper to avail this incentive. The amount will be credited to the bank account of the first author, who may share the amount with the co-authors.

Incentive amount slabs

Impact factor Less the one – Rs.2000.00/-

Impact factor more than one to two - Rs.3000.00/-

Impact factor more than two to three - Rs.4000.00/-

Impact factor more than three - Rs.5000.00/-

#### 4.4.2 Monetary incentive and eligibility for conference registration and participation

National Conference: Actual amount incurred or Rs. 1500/- whichever is less (Eligible for one conference per year)

International Conference: Actual amount incurred or Rs. 5000/- whichever is less (Eligible for one conference per year)

Prepared by:

Verified by:

Approved By:





## 5. Composition of the Doctoral Committee

The college shall recommend to the Dean (Research) of the affiliating university, a panel of experts for inclusion in the Doctoral Committee for each research scholar depending on the area of research. It is mandatory that the experts have sound knowledge in the area of research, which is to be ascertained by means of his/her research publications.

The DC is constituted by the Dean (Research) of the University.

Depending on the availability of experts and the area and nature of research, Dean (Research) of the affiliating University constitutes the Doctoral Committee normally from the panel of names provided by the academic head of the college. The constitution of the DC will be as follows:

Dean (Research) of the University or his/her nominee – Chairman

Academic Head of the College/University Department – Member & Convener

Research Supervisor and Co-Supervisor (if any) – Member/s

Two faculty members of the Department/College with Doctoral Degree – Members (Internal members)

Two faculty members/scientists with Doctoral Degree, from other organizations having specialisation in the scholar's research topic. – Members (External members)

In case any member goes on leave exceeding one year duration, or resigns or retires from the institute, and ceases to be a member of the Doctoral Committee, the Chairman of the Doctoral Committee, on recommendation of the academic head of the college and the research Supervisor shall nominate an alternate member.

### 5.1 Functions of the Doctoral Committee

- (i) Evaluation of research facilities at the place of research
- ii) Recommending registration of the selected candidate for Ph. D. program
- (iii) Prescribing the course work for the research scholar

Prepared by:

Verified by:

Approved By:





- (iv) Nomination and approval of Co-supervisor
- (v) Conduct of comprehensive viva of the scholar
- (vi) Progress review of the scholar's research work
- (vii) Nomination of thesis examiners
- (viii) Review of the examiner's reports on the thesis
- (ix) Conduct of the oral examination

The meetings of the DC shall be convened at least once a year in the first three years of registration of the candidate and a minimum of twice a year thereafter. It is mandatory that the chairman, research supervisor/s and atleast one internal member and one external member are participants in the DC meetings.

#### 6. Research Monitoring Committee

Research monitoring committee is to be constituted at the college level to monitor the progress of the research work by the scholars. This committee shall meet at least once in a year till the comprehensive examination of the scholar and twice a year after the successful completion of the comprehensive examination.

The constitution of the Research Monitoring Committee will be as follows:

Academic Head of the College – Chairman

Dean (Research) of the college – Convenor and member

Head of the department – member

Guide - member

Prepared by:

Verified by:

Approved By:





(Abstract)

Establishment Guidelines for incentivizing Faculty to pursue Research activities, and to publish Research papers in Quality Journals – Proposals - Approved - Orders issued.

ADMINISTRATION A1 SECTION

Dated 11-05-2022

- Read: 1. Order No AdA1/105/2022 dated 06-05-2022  
2. Draft guideline submitted by the Dean Research on 09-05-2022  
3. Orders of the Chairman dated 09-05-2022

ORDER

Vide paper I, read above it has been decided to provide monetary incentives to faculty members to pursue Research activities, and to publish Research papers in Quality Journals.

Dr. Rajesh Baby, Dean Research has been entrusted to frame the guidelines regarding the implementation of the said proposal.

Accordingly, the Dean has framed the guidelines called for as given below,

1. Research papers should have been published in Science Citation (SCI/SSCI/SCIE) indexed journals. Papers in "communicated" or "accepted" status are not eligible.
2. Affiliation of the faculty in the published paper should be "St. Joseph's College of Engineering and Technology, Palai.
3. The first author and co-authors from the college are eligible. If there is one co-author from the college, the amount will be equally shared between the first author and the co-author. In case, the co-authors numbers two or more, half of the amount will be given to the first author and the remaining amount of monetary benefit will be equally shared between the co-authors from the college.
4. An author is eligible to receive this incentive for a maximum of two papers in an academic year
5. The first author should submit a written request to the Principal, through respective HoD and Dean (Research) with the copy of the published paper, to avail of this incentive. The amount will be credited to the bank account of the first author, who shall share the amount with the co-authors.





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**Incentive amount slabs**

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Impact factor more than one to two	-	Rs.3000.00/-
Impact factor more than two to three	-	Rs.4000.00/-
Impact factor more than three	-	Rs.5000.00/-

After considering the matter in detail, sanction has been accorded by the Chairman, SJCTET to the above proposal being implemented with effect from the academic year 2022-2023.

Orders are issued accordingly.



  
Principal

Copy to,

1. Manager
2. Vice-Principal
3. Bursar/Lab Manager
4. HoDs for informing the staff members concerned
5. Dean, UG/PG/Research
6. FO/AO/Librarian/JS
7. PRO/Information Officer
8. Stock file





# Searching for the best Research Guide?

Here is our Super Force!



**DR. JOBY P. P.**

**CSE, KTU-F27389**

**Research Areas:**  
Network Security,  
Wireless Networks,  
Sensor Networks,  
Cryptography, Cloud  
Computing



**DR. PRASEETHA V. M.**

**CSE, KTU-F2541**

**Research Areas:**  
Machine Learning,  
Deep Learning,  
Biometrics



**DR. ARUN P.**

**ECE, KTU-F4341**

**Research Areas:**  
Vibroacoustic signal  
processing, Fault  
detection and diagnosis,  
Biomedical signal  
processing



**DR. GEORGE TOM  
VARGHESE**

**ECE, KTU-F2902**

**Research Areas:**  
Digital VLSI, Low Power  
VLSI, High Speed Analog  
to Digital Converters



**DR. GIBY JOSE**

**ECE, KTU-F7346**

**Research Areas:**  
Image Processing,  
Signal Processing



**DR. MADHUKUMAR S.**

**ECE, KTU-F6750**

**Research Areas:**  
Signal Processing,  
Embedded Systems,  
Image Processing, VLSI,  
Communication Engg.



**DR. V.P. DEVASSIA**

**ECE, KTU-F6998**

**Research Areas:**  
Pseudo-Periodic Signal  
Processing, Application of  
Wavelet Transform in  
signal analysis, Music  
Signal Source Separation



**DR. BINOY BABY**

**ME, KTU-F3230**

**Research Areas:**  
Micro Channel Heat  
Transfer, Interferometric  
Technique for Heat  
Transfer Measurement,  
Heat Transfer in Nano  
Fluid



**DR. GIRINATH B.**

**ME, KTU-F3609**

**Research Areas:**  
WAAM,  
Matlab App  
design, Fatigue  
and Soft  
computing.



**DR. JILSE SEBASTIAN**

**ME, KTU-F6638**

**Research Areas:**  
Energy Engineering,  
Waste to Energy  
conversion, Plastic to  
fuels, Biofuels, IC  
Engines, Automobile  
Engg., Electric Vehicles.



**DR. LIJO PAUL**

**ME, KTU-F2886**

**Research Areas:**  
Additive manufacturing,  
Micro machining,  
Non Conventional  
Machining, Soft  
Computing, Material  
Characterisation.



**DR. NIDHISH  
MATHEW NIDHIRY**

**ME, KTU-F6432**

**Research Areas:**  
Industrial Engineering,  
Manufacturing  
Optimization



**DR. RAJESH BABY**

**ME, KTU-F4283**

**Research Areas:**  
Fuel Cell, Heat  
Pipes, Thermal  
Management using  
Phase Change  
Materials, Optimization  
of thermal systems



**DR. AJITH K. THOMAS**

**MBA, KTU-F1082**

**Research Areas:**  
Marketing Mngmt.,  
Hotel Mngmt., Services  
Mktg., B2B Mktg.,  
Hospitality Mngmt.,  
Purchase Decision,  
Channel Mngmt.



**DR. RAHUL SHAJAN**

**MCA, KTU-F41275**

**Research Areas:**  
Data Mining, Image  
Processing, Cloud  
Computing





## **APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**

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**Ph:0471 2598122, Fax: 2598522 www.ktu.edu.in Email:university@ktu.edu.in**

KTU/RESEARCH/2021/00057

19.06.2023

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Dr Lijo Paul(KTU-F2886), Associate Professor, MECHANICAL ENGINEERING, ST JOSEPHS COLLEGE OF ENGINEERING AND TECHNOLOGY PALAI is an approved Research Supervisor of this University, approved vide University Order No. U.O.No. 1902/2021/KTU dated 04/10/2021

This certificate is issued on his request for the purpose of official documentation purposes.

Dr.Shalij P R  
Dean Research



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KTU/RESEARCH/2021/00038

15.06.2023

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Dr RAJESH BABY(KTU-F4283), Associate Professor, MECHANICAL ENGINEERING, ST JOSEPHS COLLEGE OF ENGINEERING AND TECHNOLOGY PALAI is an approved Research Supervisor of this University, approved vide University Order No. U.O.No. 1902/2021/KTU dated 04/10/2021

This certificate is issued on his request for the purpose of official documentation purposes.

Dr.Shalij P R

Dean Research

