M.KUMARASAMY COLLEGE OF ENGINEERING
(An Autonomous Institution)

Thalavapalayam-639113, Karur

RESEARCH AND DEVELOPMENTPOLICY

(Version -1.0)

Policy No: MKCE/R&DP/2024/01
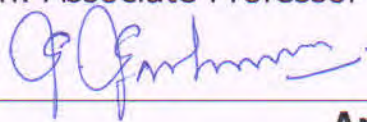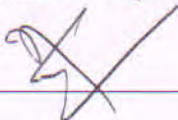
Date : 18.07.2024

I

Vision

The Vision is to facilitate, promote and contribute towards multi-disciplinary research, innovations, collaborations, promote research through a range of Quality publications and enables a congenial environment for product development and patents.

Mission

To inspire alliance across industry, government, community-based organizations, and agencies at the local, national and international levels.

To attract the best talent and strives continuously in pooling of skills and internal resources, creating strategy, overcoming limitations and making the College proud to be amongst the best institutions around the Globe.

Prepared by	Verified by
Name: Dr.S.Sathish Kumar	Name: Dr.S.Jegadeesan
Designation: Associate Professor	Designation: Head – IQAC & Academics
Signature:	Signature:
Approved by	
Principal	

INDEX

S. No	Contents	Page No
1	**3.1 RESEARCH PUBLICATIONS**	4
2	**3.2 PATENT PUBLICATIONS**	7
3	**3.3 CONSULTANCY**	8
4	**3.4 SPONSORED RESEARCH**	9
5	**3.5 STUDENTS PROJECT PUBLICATIONS**	10

3. RESEARCH AND DEVELOPMENT

3.1 Research Publications

Objectives:

❖ The main objective of Journal Publication is professional context; authors used journal articles to communicate scientific research findings to readers. The major goal is to disseminate scientific knowledge.

❖ To share new knowledge and discoveries with researchers, practitioners, and the public.

❖ To contribute to the progress of science, technology, and various fields of study by publishing well-researched and peer-reviewed articles.

❖ To provide a platform for researchers to validate their work through peer review and gain recognition from their peers.

❖ To facilitate communication and collaboration among researchers and professionals within and across disciplines.

❖ To support the career development of researchers by providing a record of their scholarly achievements and contributions.

Standard Operating Procedure (SOP):

❖ Faculty Members are expected to publish the Research Papers as per the target given below.

❖ Publications in Q1, Q2, Q3, Q4 and Conferences indexed in Scopus database will be considered.

❖ Publications should include citations as per institute research policy in all Students and faculty journal Publications.

❖ All the Final Year Engineering UG/PG Projects shall be converted as SCI/Scopus Indexed Publication.

❖ Progress will be monitored through Quarterly review meeting.

❖ Research Incentive will be provided as per the table given below

❖ While submitting manuscript, if it is multi-disciplinary (like medicine, etc.,) use maximum number of Engineering keywords.

Target for Faculty members as per their Qualifications are listed below:

Sl.No	Departments	Faculty Members	Target
1.	All Engineering Departments, Physics, Chemistry, and MCA	Ph.D Holders	2 SCIE or 1 SCIE and Two Scopus journal or 1 SCIE and Two Scopus Conference.
2	All Engineering Departments, Physics, Chemistry, and MCA	Non-Ph.D Holders	1 SCIE or Two Scopus journal or 1 Scopus and 1 WOS Journal or Three Scopus Conference. (Minimum 1 Conference as First/Corresponding Author)
3	English, MBA and Maths	Ph.D Holders	Four Scopus Conference. (Minimum 2 Conference as First/Corresponding Author)
4	English, MBA and Maths	Non-Ph.D Holders	Three Scopus Conference. (Minimum 1 Conference as First/Corresponding Author)

M.KUMARASAMY
COLLEGE OF ENGINEERING
NAAC Accredited Autonomous Institution
Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 Certified Institution
Thalavapalayam, Karur – 639 113.

INCENTIVES FOR QUARTILE PUBLICATIONS

SL. No	Q1 QUARTILE	AMOUNT (Rs.)
1.	First author/ Corresponding Author more than 5 Impact Factor Journals indexed in SCI/SCIE.	**30,000**
2.	First author / Corresponding Author less than 5 Impact Factor Journals indexed in SCI/SCIE.	**20,000**
3.	Co- Authors with Impact factor Journals indexed in SCI/SCIE.	**15,000**

SL. No	Q2 QUARTILE	AMOUNT (Rs.)
1.	First author / Corresponding Author with Impact factor Journals indexed in SCI/SCIE.	**15,000**
2.	Co-authors with Impact factor Journals indexed in SCI/SCIE.	**10,000**

SL. No	Q3 QUARTILE	AMOUNT (Rs.)
1.	First author /Corresponding Author with Impact factor Journals indexed in SCI/SCIE.	**10,000**
2.	Co-authors with Impact factor Journals indexed in SCI/SCIE.	**7500**

SL. No	Q4 QUARTILE	AMOUNT (Rs.)
1.	First author / Corresponding Author with Journals indexed in SCI/SCIE.	**7500**
2.	Co-authors with Journals indexed in SCI/SCIE.	**5000**

3.2 PATENT PUBLICATIONS

Objective:

The main objective Patent publications make inventions public knowledge, which can help advance technology and industry.

Standard Operating Procedure:

- ❖ Publication of Utility/Design Patent will be considered for PbAS.
- ❖ All the Faculty members are expected to publish minimum 1 patent per year.
- ❖ All Minor Projects of Second and Third year shall be converted as Patent.
- ❖ All the Patent should be published through IPM cell will be considered.
- ❖ Each Department is advised to identify minimum three projects in the second year level to publish the patent and the same may granted Patent before completion of their third year. The Granted Patents may converted as Product prototype for Commercialization.
- ❖ Each Department is expected to commercialize minimum 1 granted patent per year.
- ❖ Departments may commercialize the patent through their start-ups.

3.3 CONSULTANCY

❖ **Objective:** One of the main objectives of consultancy Services is to find suitable opportunities for job applicants that deposit their curriculum vitaes, resumes and other supporting documents with them.

SoP for Consultancy:

❖ All the Engineering and Non Engineering Department can undertake industrial consultancy like New Product Development, Product Design, Software and Hardware Design and etc.

❖ All the Engineering and Non Engineering Department are requested to complete the consultancy project work for minimum amount of Rs.2 lakhs.

❖ For any consultancy work/Sponsored Research Project done, the surplus amount will be shared in the ratio of 70:30 between the Employee and Institute. Revenue generated from our students & staff shall not be considered as revenue from consultancy.

❖ Procedure for claiming the amount by the employee will follow the flow:

  ❖ Facility creation/ Identification of Industry through MoU or Skill Lab
  ❖ Work order received from company/Individual
  ❖ Carry out the Work defined by the Industry/Individual.
  ❖ Submit the Report.
  ❖ Evaluation done by the Industry
  ❖ Sanctioned Amount will be transferred to the Institution.
  ❖ Faculty who complete the consultancy work can approach the finance office and confirmation of fund transfer.
  ❖ Faculty can request to R&D office with Work Order Confirmation, Payment proof, report and photos
  ❖ R&D office will evaluate and give their recommendation to Principal
  ❖ Approval from Principal and approach office for 70% of fund.

3.4Sponsored Research:

❖ **Objective:**

The main objective of writing a research proposal is to help the researcher define the contents and plan and execute a research project. It also helps to inform potential collaborators and supporters about the topic, and the proposal can be submitted to agencies for possible funding.

SoP for Research Fund

❖ All the Departments are expected to get minimum one fund from Government Agencies per calendar year.

❖ The Quarterly Awareness program will be conducted to motivate the faculty towards Sponsored Research.

❖ The Faculty can submit the Project Proposal to the agencies after getting approval from Head/Research of the Institute.

❖ The Head/Research will constitute an Expert Committee including External expert (if required) to evaluate the proposal. Head /Research will recommend the proposal based on the Evaluation report

❖ All the Departments are expected to concentrate on Research grant for Organizing Workshop/Seminar/Conference /FDP from the government Agencies.

3.5 STUDENTS PROJECT PUBLICATIONS:

❖ All the Second year/Third year Projects will be converted as Patent Publications.

❖ All the Final year Projects will be converted as SCI/Scopus Publications.

❖ Second year Minor projects / Design Thinking projects are called as Community Service projects.

❖ The review meetings will be conducted by the department as per the schedule of the departments and the same will be communicated to the students before starting of the semester.

❖ Departments are expected to ensure that the minimum 30% of Projects as Interdisciplinary Projects and 10% projects will be from Government agencies such as DRDO/ISRO/NAL/HAL,BSNL etc.,

❖ Departments are expected to sign minimum one MoU from NGO for the problem statements.

❖ Industry expert/Alumni may involve in all the final year student projects as mentor/Reviewer.

❖ Rubrics for final year projects/Community Service projects are as per IQAC guidelines.

Note:

All the Research Metrics will be considered for the Calendar year (Jan – Dec).