Introduction

KRCE is embarked with the vision of being a social partner for the development of our country through its involvement in research, having attributed novel technology in research and development activities. The R & D team of K.Ramakrishnan College of Engineering is committed to excellence in the research. The dedicated research team adds its strength and spreads its roots over diverse areas like Big Data, Cloud Computing, CAD/CAM, Virtual reality, Information Technology, Knowledge Management, Networking, VLSI and Antenna design, Signal Processing and Artificial Intelligence. Having realized a dire scope and demand of research in the emerging fields, these key ultra-tech disciplines are focused to bring out the desired results for the betterment of the society. In our institution three departments namely ECE, EEE and MECH have been recognized as Research centers by Anna University, Chennai to do PhD/MS by research.

Objectives

- ❖ To encourage and insist our faculties to apply for research projects by the funding agencies like AICTE, DST, UGC, DBT etc.,
- ❖ To promote the research various seminars will be conducted for research methodology and ethics, efficient paper writing and research proposal submission etc. by our senior professors and eminent persons from outside.
- ❖ To conduct research meetings regularly for our faculties by our principal to promote their research activities and to complete their PhD in the prescribed period.
- ❖ To assist the faculties to publish articles in the prescribed journal to avoid fake journals and properly utilizing our plagiarism software Turnitin.
- ❖ To conduct FDP from each department in the latest emerging subjects like Machine learning, Artificial intelligence, 5G, 6G, Photonics, AR and VR, 3D printing, Robotics & Automation, Networking etc., and to apply these latest techniques in their specialization.
- ❖ To coordinate the faculties and students to apply for interdisciplinary proposals.

PhD/M.S by research

- ❖ A candidate should register at KRCE research Center on getting provisional registration letter from Anna University.
- ❖ Ph.D./M.S. candidates should present their research progress before the review committee constituted by the concerned department once in six months.
- ❖ Faculty members with PhD are advised to get Research supervisorship from Anna University Chennai.

- ❖ As per University norms scholars are permitted to do research under a supervisor.
- ❖ The Research scholars are encouraged to publish their research works in reputed SCI indexed journals after getting the approval from their supervisors.
- ❖ Research Supervisors are advised to submit the research articles to the journal only after checking the plagiarism.
- ❖ Enrollment of Full-time research scholars plays a vital role in enhancing the quality of research in the institute. In support of our vision and to strengthen the quality of research and development in all our research centers, Institutions Fellowship Scheme is implemented exclusively for full-time Ph.D.
- ❖ The institutional research fellowship of **Rs. 12,000/-** per month is given to the Ph.D. Scholars. The institutional fellow has to abide by the research policies of KRCE.

Research Incentives/stipend schemes

❖ **Incentives for Publications**

In order to motivate the faculty members towards research and publishing their research findings in reputed journals (SCI/SCIE) with quality factor, incentives are given to faculty members.

SCIMAGO	AMOUNT IN Rs.
Q4	5000/-
Q3	7500/-
Q2	10000/-
Q1	15,000/-
Q1&impact factor more than 10	20,000/-

❖ **Incentives for faculty participation :**

- Faculty members are financially supported for presenting papers in conferences / attending Seminars, Workshop, FDP, and SDP etc. asfollow
- Faculty members are allowed to participate inNational and International conference provided registration fee and TA/DA can be reimbursed with a maximum limit of 6000/-
- Faculty members are allowed to participatein International conference outside India with sponsorship from AICTE (Travel Grant) along with management sponsorship subject to a maximum of Rs.25,000.
- Faculty members are allowed for attending seminar, workshop, FDP, SDP etc with full registration fee and TA/DA with a maximum limit of Rs.4000/- can be availed.

❖ **Faculty Pursuing PhD:**

- Members of staff pursuing PhD can avail 12 days On Duty leave per year for research work.

Code of Ethics for Research

The Code of Ethics given below is aimed at prevention of malpractices and plagiarism in research works carried out by the faculty members, scholars and students at K. Ramakrishnan College of Engineering. The principles of the given code are framed with the noble purpose of guiding researchers to an ethical course of action enriched with the values and mission of K.Ramakrishnan College of Engineering.

Preamble

The faculty members, scholars and students of K. Ramakrishnan College of Engineering are committed to the pursuit of truth, honesty and integrity, to uphold the vision-mission of our institution, to safeguard and promote public interest in our research activities.

Principles

The principles mentioned below bind the researchers of K. Ramakrishnan College of Engineering to the stringent measure of integrity and the highest ethical standards:

a) Integrity and Honesty:

We have to act with sincerity, keep up our promises and agreements as well as our thought and action shall be consistent. We shall disseminate the methods and procedures of our research works and report data and results honestly and shall not fabricate, falsify, or misrepresent data.

b) Objectivity:

The objective of the research work shall be well defined and free from bias in the design of methodology, data analysis and data interpretation. The objective may be of fundamental interest as well as it may have a goal towards the welfare of the society, community, nation and the nature.

In order to detect the plagiarism, our college have unlimited access to **"TURNITIN" plagiarism software worth of more than 5.0 lakhs.**