

Research Policy

Introduction:

K. Ramakrishnan College of Engineering (Autonomous), Tiruchirappalli (KRCE), established in 2008, has developed a strong and vibrant Research and Development (R&D) ecosystem that promotes innovation, interdisciplinary research, industry collaboration, and societal impact. The institution has four Anna University recognized Research Centres in Mechanical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, and Physics. KRCE currently has 19 recognized research supervisors guiding more than 65 active Ph.D./M.S. scholars and has successfully produced 45 Ph.D. graduates during 2019–2026.

The institution has demonstrated remarkable research productivity with 2,066 Scopus-indexed publications, 18,667 citations, and an H-index of 59. KRCE secured research funding worth ₹2.0 Crores, from prestigious agencies such as AICTE, MSME, TNSCST, CSIR, IEEE, and IEL. Innovation and Intellectual Property Rights are key strengths of the institution, with 476 patents filed and 76 patents granted. Through international conferences, workshops, faculty development programmes, consultancy services, industry collaborations, and Centre of Excellence initiatives, KRCE continues to strengthen its research culture and global academic impact, emerging as a leading hub for research excellence, innovation, and sustainable technological advancement.

Vision of R&D Department

To emerge as a centre of excellence in research, innovation, and technology development by fostering a vibrant research ecosystem that contributes to sustainable societal and industrial growth.

Mission of R&D Department

- To create an environment conducive to high-quality research and innovation.
- To support researchers in securing external funding and publishing impactful research.

- To encourage intellectual property creation, technology transfer, and entrepreneurship.
- To strengthen collaborations with industries, research organizations, and academic institutions.
- To nurture competent researchers and innovators capable of addressing global challenges.

Objectives

- To promote a vibrant research culture among faculty members, research scholars, and students through innovative and interdisciplinary research activities.
- To enhance research excellence by encouraging quality publications in reputed national and international journals, conferences, and indexed databases.
- To secure external research funding from government agencies, industries, and research organizations for sponsored projects and consultancy activities.
- To foster innovation and intellectual property creation through patents, copyrights, product development, and technology transfer initiatives.
- To strengthen industry–academia collaboration and establish research partnerships that addresses societal needs and contributes to sustainable technological development.

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. 15,000/-** 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. as follow
- Faculty members are allowed to participate in National and International conference provided registration fee and TA/DA can be reimbursed with a maximum limit of 6000/-
- Faculty members are allowed to participate in 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 7.5 lakhs with AI plagiarism detection feature.**

Research Promotion:

- The Research Committee meets twice a year to review research activities and promote innovation, interdisciplinary research, and funding opportunities.
- Faculty members are encouraged to pursue Ph.D. programmes and actively engage in research activities.
- Financial assistance is provided for presenting research papers at national and international conferences.
- Support is offered for publishing research articles in reputed journals.
- The institution provides seed money to initiate and strengthen research projects.
- Reduced teaching workload is granted to faculty members serving as Principal Investigators of funded research projects.
- On Duty (OD) leave is provided for participation in conferences, workshops, seminars, project-related work, and other research activities.
- Faculty members are encouraged to apply for funded research projects, consultancy assignments, and collaborative research initiatives.
- The institution financial support to promote patent filing, intellectual property creation, and technology development.
- Regular research-oriented programmes such as workshops, seminars, FDPs, and expert lectures are organized to enhance research competencies.

Research Outcomes

- Produce Ph.D. / M.S. research scholars through effective research supervision and academic support.
- Publish books and high-quality research papers in reputed Scopus-indexed journals with significant impact factors and citation potential to enhance the institution's H-index and research visibility.
- Secure external research funding from national and international funding agencies, industries, and research organizations.
- Strengthen innovation, intellectual property rights (IPR), and technology commercialization through patents, copyrights, product development and consultancy activities.
- Establish additional Anna University-recognized Research Centres and foster strong industry-oriented research collaborations to address emerging technological and societal challenges.