

PRINCE

Dr. K. Vasudevan College of
Engineering and Technology

Innovation and Research Development Cell (IRDC)

Research Policy





PRINCE Dr. K.VASUDEVAN COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to Anna University & ISO 9001:2015 Certified Institution)

Medavakkam-Mambakkam Main Road, Ponmar, Chennai-600127

RESEARCH POLICY

Research and development (R & D) flourishes where young minds and experienced faculty work synergistically. Academic institutions are expected to perform threefold activity which includes teaching, research and extension. Research happens to be one of the pioneer aspects of academic activities which help the institution to achieve excellence in the field of education. Research and developmental activities help to create and disseminate new avenues in knowledge, promote innovation and these will motivate better learning and teaching among faculties and students of Prince Dr. K. Vasudevan College of Engineering and Technology, Chennai. Research is the foundation of knowledge that brings new energy, builds state of the art facilities, promotes research publications, develops collaborations and becomes part of active community that shares the mission objectives. Taking these into considerations, PDKVCET framed and implemented its Research Policy. The research policy includes the promotion of research activity among the faculty members and involving the students to enhance the knowledge of recent developments and future hopes. This document outlines the principles that should be taken into account while planning and conducting research.

Aims of the Research Policy

The research policy of the college aims to create and support a research culture among its teachers, staff and students and leverage it for enriching and enhancing the professional competence of the faculty members; for developing and promoting scientific temper and research aptitudes of all learners; for realising the vision and missions of the college and for contributing to national



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development by establishing an institutional fund and plan for facilitating their participation in research and related activities and by providing the required resources and appropriate facilities. It also aims at ensuring that the research activities of the college conform to all applicable rules and regulation as well as to the established standards and norms relating to safe and ethical conduct of research.

Scope of the Research Policy

Research Policy forms the basics of the research ethics of the college and is implemented in all the departments and it serve as the guidelines for the functioning of the Research & Innovations Promotion Committee of the college.

This policy shall apply to all the researchers of the college and for the purpose of this policy 'researchers' are defined to include:

1. All staff, temporary and permanent, who are active in teaching, research, administration and provision of any form of support to the core functions of the college;
2. All students registered with the college;
3. All mentors, guides, external experts and sponsors associated with any of the research activities of the college
4. All academic and administrative departments of the college;

This policy shall apply to all the research and related activities of the college and for the purpose of this policy research and related activities will inter alia include:



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1. Research activities including basic, strategic and applied research undertaken either for fulfilling the requirements of academic degrees or for solving problems
2. Scholarly activities intended to expand knowledge boundaries by analysis, synthesis and interpretation of ideas and information by making use of rigorous methodologies
3. Knowledge compilation and communication initiatives for keeping abreast of academic developments in any knowledge domain such as writing of textbooks, chapters of textbooks, monographs; developing/updating curriculum, etc.
4. Creative activities involving the generation of new ideas, innovations, hypotheses, images, performances or artefacts, including design in any field of knowledge which leads to the development of new knowledge, understanding or expertise;
5. Research projects of students undertaken as part of the curriculum or for enriching it
6. Publication, presentation and communication of the research outcomes and related activities.

Custodian of the Research Policy

The implementation and updating of the research policy is carried out by the Principal, Coordinator, Internal Quality Assurance Cell and the Convener, Research & Innovations Promotion Committee. The Research Policy shall have a Research Steering Committee to function under the Principal and Academic Council, to assist and advice in matters related to research within the college.



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Objectives of the Research Policy

- ♣ To provide a proper coordination of all research activities of the college and aligning these to the vision and missions of the college, societal developments and national development goals.
- ♣ To identify and inform researchers about the appropriate research opportunities announced by different academic, research, industry or government organizations.
- ♣ To promote interdisciplinary research and establish modalities for preparing and undertaking joint research projects covering more than one knowledge domain as well as policies or involving external agencies/experts in such projects.
- ♣ To create an awareness about patents and Intellectual Property Rights and motivate them to apply for patents.
- ♣ To take initiative for granting study leave, sabbatical leave, duty leave, seed money, reduction in workload, etc. to deserving faculty members for advanced research.
- ♣ To identify and establish linkages including MOUs for long term relationships with national and international research organizations for widening the scope of research opportunities and funding options available to the teachers and students of the college.
- ♣ To promote collaborations with International and national academic institutions of higher learning and promote linkage with Industry.
- ♣ To encourage and facilitate the publication of the research works in reputed academic International / National journals and also to facilitate the



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presentation of the research work through academic events such as workshops/seminars/conferences.

- ♠ To create an ecosystem for innovations including Incubation centre and other initiatives for creation and transfer of knowledge.
- ♠ To facilitate community-oriented research initiatives and to transfer the research findings for the social and economic development of the community.

Code of Ethics for Research

- * All students and staffs pursuing research in the college are expected to maintain high standards of integrity, honesty and professionalism in respect of all the work undertaken by them.
- * Since the college is affiliated to Anna University, Chennai the college follows the regulations of the University and U. G. C. regarding plagiarism and malpractice in research.
- * Students and teaching professionals should read and follow PDKVCET's Handbook on "Institutional Code of Ethics to check malpractices and plagiarism in research" which is available in the college website.

Standard Operating Procedure for Research

The Research Steering Committee has formulated Standard Operating Procedures (SOP) for monitoring research activities of the college. The objective of this SOP is to contribute to the effective functioning of the Committee by ensuring a qualitative and consistent ethical review mechanism for engineering and scientific research.



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- The Research Steering Committee shall review and approve all types of research proposals involving basic and applied sciences, engineering and technology, management concepts, etc., with a view to safeguard the dignity, rights, safety and well-being of all actual and potential research participants.
- The goals of research, however important, should never be permitted to override the health and well-being of the research subjects.
- The Research Steering Committee shall take care that all the cardinal principles of research ethics viz. Autonomy, Beneficence, Non – maleficence and Justice are taken care of in planning, conduct and reporting of the proposed research.
- The Research Steering Committee shall review the proposals before start of the study as well as monitor the research throughout the study until and after completion of the study through appropriate well documented procedures like annual reports, final reports, site visits etc.,
- The committee shall also examine compliance with all regulatory requirements, applicable guidelines and laws.

Research Policy Implementation Mechanism

The Research Cell of the college shall be responsible for implementing this research policy of the college by working closely with the college management. The specific roles and functions of the research cell will be as follows:

1. Facilitate the faculty in undertaking research and will work with the college management to set up a research fund for providing seed money.



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2. Provide research facilities in terms of laboratory equipment, research journals and research incentives etc. required by the faculty.
3. Encourage and promote a research culture (eg. teaching work load remission, opportunities for attending conferences etc).
4. Encourage the faculty to undertake research by collaborating with other research organisations/ industry.
5. Create suitable procedures for giving due recognition for guiding research.
6. Facilitate the establishment of specific research units/ centres by funding agencies / university.
7. Organise workshops/ training programmes/ sensitisation programmes are conducted by the institution to promote a research culture on campus.
8. Prepare budgets for supporting students' research projects.
9. Invite industry to use the research facilities of the college and sponsor research projects.
10. Approach National and international organisations such as UGC, ICSSR, DRDO, DST, etc., to fund major and minor research projects undertaken by the faculty / students.
11. Make efforts to improve the availability of research infrastructure requirements to facilitate research.
12. Develop and implement an official Code of Ethics to check malpractices and plagiarism in research.
13. Facilitate Interdepartmental / interdisciplinary research projects.
14. Institute research awards.



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15.Create incentives for the faculty who receive state, national and international recognition for research contributions as well as research awards and recognition from reputed professional bodies and agencies.

16.Encourage and promote the publication of research articles by the faculty in reputed/ refereed journals.

17.Create and maintain a database of research work and research projects undertaken by the faculty and students as well as collect data by metrics such as Citation Index, Impact Factor, h-index, SNIP, SJR, etc.

18. Publicise the research expertise and consultancy capabilities available in the college.

19.Facilitate the provision consultancy services to industries / Government / Non- Government organizations / community/ public.

20.Prepare Rules & Guidelines for Grant of Research related leave and other remissions

21.Prepare Guidelines for design and evaluation of curriculum-oriented research projects

22.Prepare a college research agenda with relative priorities.





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