ACHARIYA
COLLEGE OF ENGINEERING TECHNOLOGY
(Approved by AICTE New Delhi & Affiliated to Pondicherry University)
An ISO 9001 : 2008 Certified Institution

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ACHARIYA
World Class Education

RESEARCH AND DEVELOPMENT POLICY

Policy No	19
Issue No	01
No. of Pages	05
Date	10.03.2021
Next Revision	2026

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RESEARCH AND DEVELOPMENT POLICY

VISION

Establish a strong framework that will support the growth and development of our college's research ecosystem in line with NEP-2020

MISSION

1. To establish a setting that will increase research output.

2. To promote cooperation between businesses, the government, and local, national, and international organizations and agencies.

3. To make research more accessible by raising money and organizing resources.

OBJECTIVES

1. To educate academics and students about prospects for research, innovation, and development.

2. To encourage research that is multidisciplinary and interdisciplinary.

3. To choose each university department's primary area of study and establish frontline, frontline research teams, cluster groups, and consortiums in that area.

4. To come up with creative concepts and answers to cultural and intellectual issues.

5. Modernizing the current labs by adding new technologies and experimental setups to make them more suitable for conducting research.

6. Determining which high-priority research opportunities are appropriate for researchers in each department on campus, as advertised by various academic, research, industrial, or government groups.

7. Serving as a point of contact for researchers and pertinent research funding organizations, providing advice on project proposal development and submission, and monitoring grant adherence after it has been sanctioned.

8. To find possible partners for cooperation, synergistic alliances, and the sharing of research findings among industry, research organizations, academic institutions, and other stakeholders.

9. To create improved coordination between intellectual property rights (IPR), incubators, innovation and entrepreneurial development, and university-industry linkages.

10. The creation of an institutional research information system

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11. To facilitate university research by unifying various functional units into an efficient, single-window operating system.

12. To oversee and manage the advancement of research, manage and maximize research resources, and perform timely reviews in order to enable the project be completed on time.

13. To promote consulting and core competency works.

14. To create, recommend, and implement guidelines, policies, and procedures to guarantee adherence to the research code and the quality assurance framework for all research.

15. To Utilize Active/Superannuated Experts, Scientists, and Community Talent.

16. To spread knowledge regarding IPR and patent filing.

ORGANIZATIONAL STRUCTURE OF R&D CELL

For effective governance and to ensure functional autonomy, transparency, accountability, and Adaptability the college has to establish governance committee. This committee oversees the smooth and efficient coordination of research and development activities in the Institute, thus fostering overall growth. The organizational structure consists of Advisor, Principal, Convenor and Coordinators for facilitating the routine functioning of the cell.

COMPOSITION OF R&D CELL

> **Advisory Committee-** Institute Research Advisor, Principal 3 renowned external Academic Personalities with sufficient Research and Administrative background.
> **Principal:** The Principal will be the head of various committees and sub- committees to drive the governance.

> **Convenor** - One senior person in the college with ample experience in the area of research, innovation and funding's.

> **Coordinator** - 5 to 7 teaching faculty members from the Institute, with research experience and 1 or 2 non-teaching officers representing with experiences in research related administrative duties.

All activities of R&D cell will be monitored and mentored by various committees for devising research models, technology, appraisal, foresight & review functions, mediating sectorial R&D progress, and IPR protection. R&D cell should keep close contact with Ministry Innovation Cell to make use of various innovative plans for facilitating the researchers.
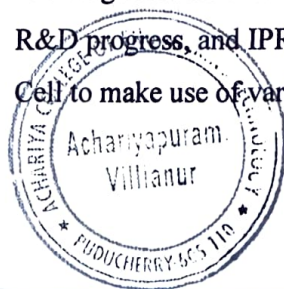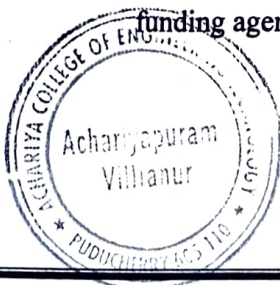
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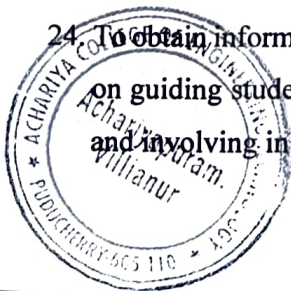PUDUCHERRY 605 110

FUNCTIONS OF R&D CELL

The Research and Development Cell would create an atmosphere where researchers could use their knowledge, skills, strong governance, and substantial financial support to create and disseminate knowledge, innovate, and develop technologies for societal and industrial requirements. The college's Research and Development Cell performs the following specific functions in detail:

1. To prepare annual research plan, implement and monitor the research activities of the institution departments.

2. To develop networking and collaborative research of the various departments with national and or international institutes.

3. To formulate the rules and regulations related to policy framework for utilization of facilities and resources of in the institution.

4. To formulate rules and regulations related to facilitate exchange of students, faculty and scholars of the institution.

5. To develop research information management system of the university departments and to facilitate the access of the same to others.

6. To promote high priority areas of the nation through research mandate.

7. To support in development of research proposals from the university teachers for the external funding.

8. To develop clusters of our college researchers working in the high value inter- and trans-disciplinary research areas and to promote national and international funding.

9. To promote quality publications and patents of the researchers of the college through incentives and prizes.

10. To support technology development and business centred facility of the institution.

11. To mobilize the resources of the institution and to develop corpus/seed funds from various funding agencies.

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12. To identify, channelize and promote investors for the research and development activities of the college.

13. To monitor and maintain the integrity and ethics of the research activities of the college.

14. To build the research capacity of the faculty members and students of the institution through various activities and the events related to research.

15. To set up Industry Advisory Board (IAB) for managing industrial collaboration and agreements and further leveraging on consultancy work.

16. To establish liaison with near and far industry and identify the technological challenges being faced by them. Strengthen industry institute interaction through MoUs for long term relationships with national and international research organizations for widening the scope of research options and funding opportunities for faculty and students.

17. Take up appropriate problems of the industry for finding solutions through R&D projects assigned to faculty and students.

18. To initiate and promote MoU with industries and R&D organizations for consultancy, collaborative research, sponsored projects, industry and Institute interactions etc.

19. To depute senior faculty to various research organizations for getting collaborative projects and adopting best practices.

20. To arrange brainstorming sessions through talks by eminent personalities from industry, R& D organizations and institutions of repute for the better understanding of research methodology and practices currently followed.

21. To keep everyone informed about announcements by various funding agencies like DST, DAE, DRDO, ISRO, CSIR, AICTE, UGC, etc.

22. To enlighten the state-of-art technologies to scholars through special lectures on contemporary research topics by renowned experts in key areas.

23. Facilitating timely auditing and submission of utilization certificate.

24. To obtain information once in three months in the prescribed format on faculty involvement on guiding students, paper publications, research projects from external funding agencies and involving in collaborative research activity.
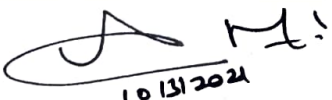
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25. To organizing conferences, workshops, seminars, training program, Science day and other research oriented events.

ADDITIONAL DUTIES OF R & D CELL

1. Advise and encourage the faculty to carry out research in-house and in collaboration with other organizations.

2. Identification of physical and human resources to carryout research.

3. Identify the budgetary requirements and resources for funding the research.

4. Identify different organizations/ industries to undertake collaborative research on current topics of mutual interest.

5. To scrutinize research project proposals for submission to funding organizations such as UGC, AICTE, DST, DRDO etc.

6. Monitor and assess the progress of sponsored research projects.

Verified by	Approved by
IQAC Coordinator	Principal

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