

**Dombivli Shikshan Prasarak Mandal's**  
**K. V. Pendharkar College of Arts, Science & Commerce (Autonomous)**  
**Dombivli-(E)**

**POLICY FOR PROMOTION OF RESEARCH**

**(Proposed Draft)**

**INTRODUCTION**

The research promotion policy of Dombivli Shikshan Prasarak Mandal's K. V. Pendharkar College of Arts, Science & Commerce (Autonomous) aims at fostering and sustaining leadership and excellence in research and innovation. The students and faculty members will be motivated to explore new frontiers in research and undertake ground-breaking research in various fields. Students will be encouraged to learn through hands-on training and through practical problem-solving projects in collaboration with fellow students of other departments and with faculty members as supervisors/ mentors. Faculty members and students would also be encouraged to get involved in inter disciplinary/ multi-disciplinary research in finding solutions to current challenges.

**AIMS**

- To create and sustain an ambience of intellectual excitement and a climate of inquiry and innovation among students and faculty members
- To establish procedures for the conduct of research and scholarly activities and encourage students and faculty members to contribute to research and innovation while achieving funding from various agencies and consultancies
- To inculcate research culture at undergraduate level and to match the global standards at Ph.D. and Post-Doctoral level and encourage students for self-employability and entrepreneurship

**OBJECTIVES**

- To promote a vibrant research culture in the college campus
- To facilitate interdisciplinary, multidisciplinary and trans-faculty research
- To incubate start-up ventures by providing conducive environment.

- To encourage the faculty members to publish research papers in journals of international repute with emphasize on quality parameters such as impact factor, h-index, i-10 index etc.
- To create a platform for exchange of ideas and promote collaborations in possible flora.
- To recognize the contribution to research of both the faculty and the students by felicitating them for quality output (through a research award).
- To create cadre of research personnel through work shop and training.
- To strive to enter in to Industrial collaborations and MoU with National laboratories and foreign universities.
- To encourage applied research through Industry-academia interphase exploring consultancies and technology transfer.
- To generate funds through research proposals and consultancy.
- To facilitate IPR (Patent, Design, Copyright, Trademark etc.) in partnership with researcher.
- To publish peer reviewed research journal with ISSN number and Books with ISBN number and also short films (as MOOCs), thus supplementing academic resources.
- To plan and organize workshops, seminars, conferences at university, state, national and international level ensuring exposure of recent trends.

## **ACTION PLAN**

Dombivli Shikshan Prasarak Mandal desires to build a strong and robust research and innovation ambience in K. V. Pendharkar College of Arts, Science & Commerce (Autonomous) through:

1. Motivating and initiating research among faculty members by providing them feasible requirements in terms of laboratory setting, consumables etc.
2. Encouraging collaborative research with other colleges, universities, research institutions and industries.
3. Faculty members should strive to seek possible funding from different funding agencies for research grant and for travel grant so as to enable them to participate and present papers at national/international platforms.
4. Every faculty member should complete one minor/major research project once in every three years at least as a co-investigator.

5. Encourage students to undertake data collection and field work voluntarily.
6. Incorporate internship/hands on training as a part of P.G. programme.
7. Students and faculty members should make an effort to publish research papers in peer reviewed (Scopus, UGC CARE- listed, h-Index, i-10 index etc.) journals and to present papers in seminars, conferences and research competitions like Avishkar Research Convention and other such paper presentations organized at college, institution and university levels in India or abroad.
8. Providing seed funding to students and faculty members to start their research, as per the recommendation of research committee from time to time and approved by the management.
9. Faculty members and students should make an effort to apply for patents for their innovative inventions/products.
9. Appreciating faculty members when they are awarded with a Ph.D. degree and when they undertake funded research projects.
10. Appreciating students when they are awarded with a Ph.D. degree along with the appreciation of their Ph.D. guide/supervisor.
11. Organizing “Research Meet” of all research students and guides twice in a year to take the review of ongoing research along with a brain storming session.
12. Encouraging faculty members to provide consultancy services in the respective domains.
13. Setting up incubation facilities to promote innovation, entrepreneurship and encourage start-ups.
14. Organizing Orations/ Guest Lectures of eminent Scientists/Academicians/ Industry Experts.
15. Offering incentives for the patents (viz. inventions and designs), copyrights, trademarks (thereby encouraging Intellectual Property Rights) as recommended by the research committee from time to time and decided by the management.
16. Recognizing and awarding the faculty members recommended by the research committee from time to time and decided by the management based on publication with highest impact factor, maximum number of publications, publications with a greater number of citations and carrying out highest value externally funded research project;
17. Offering award to the department for executing highest cumulative value of externally funded projects and publications; as recommended by the research committee from time to time and decided by the management.
18. Library should be equipped with open access journals.
19. Providing software and mechanism to check.

- i. Plagiarism- check and forming 'College Academic Integrity Panel' (CAIP) for handling the reported cases of plagiarism.
- ii 'Scifinder N' to avoid repetitive research.

20. Deciding standard procedures for the conduct of research and scholarly activity.

### **TRAINING**

The College would organize regular programmes/talks on various dimensions of research. These can be on research methodology, training in use of new equipment, statistical analysis of data, thesis and research proposal/project/paper writing, IPR etc. Besides this, staff members and students will also be encouraged to attend any such programs organized by other institutes.

### **RESEARCH AWARDS**

To boost the morale of researchers the "Researcher of the Year" would be identified and awarded from the staff members and the students as recommended by the research committee on the basis of credits earned by the faculty members and students through various research activities annually and decided by the management.

### **DISSEMINATION AND PUBLICATION**

The faculty members and students will be encouraged to publish their research work in a responsible and ethical manner. Plagiarism, deception, fabrication or falsification of results is strictly prohibited. Plagiarism not more than 10% may be allowed. All funding sources must be acknowledged in any publication. As far as possible research work must be published in peer reviewed (Scopus, UGC CARE- listed, h-Index, i-10 index etc.) journals. A proper procedure of authorship should be practiced.

### **INTELLECTUAL PROPERTY**

Workshop on IPR will be organized every year for the staff and the students of the college to create awareness among them about the creation and protection of intellectual Property Rights. The college would facilitate filing of a patent if any researcher approaches the Mandal.

### **PROTOCOL FOR CONDUCTING RESEARCH**

1. All equipment used must be calibrated.

2. A standard operating procedure (SOP) should be maintained for every instrument. The record book is to be maintained properly.
3. Experiments should be repeated to ensure reproducibility of results and/or supported by statistical analysis.
4. All safety precautions are to be enforced. All observations, calculations, photographs should be maintained properly.
5. The computer data should be regularly backed up.
6. All published research papers and project reports and thesis copy etc. should be stored and preserved at the departmental level and library.
7. Faculty members and researchers should mention college name in affiliations while publishing research data.

### **Research Promotion Committee**

Research Committee shall be an Apex body to oversee all the research activities as also translate research policy into practice with rationale interpretation wherever required.

The research Committee shall compose of five Ph.D. guides representing various faculties/disciplines as also three external researchers representing the different faculties of which at least one should be from the industry/profession where in the Principal shall be ex-officio Chairperson.

#### **Functioning of research committee:**

1. Forming RAC (Research Advisory Committee) as per the norms of University of Mumbai.
2. Plan, supervise and conduct various research activities such as workshops, seminars.
3. Prepare the annual budget after consolidating the proposals as envisaged in this document, here in above for the various research activities.
4. The committee may decide the various awards and acknowledgements recognizing the quality research by deciding the yardstick for the same, as also appointing the committee of competent judges, wherever required.
5. Research committee shall do the overall supervision with a view to ensure quality research & consultancy enlarging the horizons of research for the masses while balancing the standards of the classes.
6. Research committee should initiate and explore possibilities of industry sponsored research projects and consultancy.
7. Research committee to guide new researchers to publish research papers.

8. Celebrate research forum-week, where researchers can share their ideas and can have interdisciplinary interaction.

#### **AMENDMENTS**

This policy will be reviewed periodically to make it more viable to the current situation and to incorporate feedback received from the stakeholders and deliberations of the focus group constituted by the Chairman, Dombivli Shikshan Prasarak Mandal.