



D. Y. Patil College of Engineering and Technology, Kasaba Bawada, Kolhapur

Research and Development Policy

1. Introduction

The objective of research and development initiatives undertaken by **D. Y. Patil College of Engineering and Technology, Kolhapur** is to motivate student and faculty members to carry out and promote research and innovation with a strong impact of engineering education on society and industries. To accomplish high quality research activities following policies has been undertaken. A research development cell has been established. This cell will prepare and implement the documents for growth of research and development activities within the Institute.

1.1. Scope/ Applicability of the Policy

This document of **D. Y. Patil College of Engineering and Technology, Kolhapur research Policy** will be applicable to all faculty, staff and students of **D. Y. Patil College of Engineering and Technology** involved in any form of research activity.

1.2. Establishment of Research and Development (R&D) cell

The R&D Cell comprises of the following members

- Executive Director-Chairman

- Principal -Member
- Dean R & D – Coordinator
- Members - Senior Faculty members, nominated by the Principal/HoD.
- Nominee from the Industry
- Nominee from Network Institution.

2. Responsibilities

Following are the main responsibilities of R&D Cell

- To identify Research focus /Thrust areas for innovation and research for various departments.
- To motivate faculty members and students to conduct high quality research in their area of expertise.
- To conduct Institute's research and development training activities.
- To review and monitor achievements under the Research & Development.
- To publish papers in reputed national and international journal which are indexed in Science Citation Index, Web of Science, Scopus etc.
- To motivate faculty members to participate in various national and international conferences at reputed institutes.
- To motivate faculty members to submit research proposals at BARC, AICTE, DST and other funding agencies.
- Collaborate DYPCET with leading research institutes at national and international levels. Initiatives like joint international conferences, workshops, and research papers can also be undertaken to improve the overall research culture at Institute.
- To help students to complete research projects and participate in various research activities at National and International level.

- To improve consultancy and R&D activities at institute.
- To create awareness about ethics of research and publications in faculty members and students

3. Meeting Schedule

The meetings of R&D are scheduled at least three times in each semester. At the start of semester, middle of semester and at the end of semester. All members will be informed the dates of scheduled meeting and also dates of additional meetings if required.

4. Policies for Research and Developments

4.1 Paper Publication Policy

- Faculty should publish papers in **reputed refereed journals** which are indexed in WoS, SCI, SCOPUS and other good databases (List may be available at Department).
- Professor and Associate Professors should publish at-least two papers per year in reputed refereed journals (Indexed in **WoS, SCI, SCOPUS, PubMed**).
- Assistant Professors should publish at-least one paper per year in reputed refereed journals (Indexed in **WoS, SCI, SCOPUS, PubMed**).
- All faculty members who have completed Ph.D must submit at least one funding proposal every year to BARC, AICTE, DST and other funding agencies.
- Incentives for publications are mentioned in Section 5.

4.2 Policy for participation in National and International Conferences.

•Institute will provide financial support for faculty to participate in National and International conferences as per rules of Institute. Incentives for publication in conferences are mentioned in Section 5. Following are some important conditions for this:

- a) Conference should be hosted by reputed institute.
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b) Conference proceedings must be published in SCOPUS database.

4.3 IPR Policy

Institute will provide financial support to faculty for filing Patent and Copyrights. Patent and Copyrights must be filed in the name of institute only. The incentives for IPR are mentioned in Section 5.

4.4 Research Policy for Students

- To motivate students' research, Institute will provide funds to final year projects under **Project Grant to College Students (PGCS) scheme**. For this R & D cell will form a team to evaluate students' projects at various departments. Student groups will get funds maximum up-to Rs. 50,000/- per project. The limit may exceed depending on the quality of projects.

4.5. Consultancy Policy

The purpose of Consultancy Policy is to enable faculty to provide information inputs sought by industry, Government departments and other academic/research organizations. The main objective here is to foster academic, industry and research interaction. Funds generate from consultancy will be distributed as 40:60 (**40 % to Institute and 60 % to Faculty**)

5. Policy on Incentives for Research and Publication

Details of the Policy

- Calendar year will be applicable for consideration of research incentive.
- It is mandatory to have DYPCET affiliation in publication /book / book chapter / monographs / patent / copyright / externally funded research project and presented/ invited talk/ session chaired in conferences.
- Research paper published in journals indexed in SCI, WoS and SCOPUS will only be considered for incentive.
- Research Publication Means: Original research article, review article, short communication.
- Final decision will be made by the committee.

The committee shall consist of following members:

1. Dr. A K Gupta (Executive Director) : Chairman
2. Dr. S D. Chede (Principal) : Member
3. Dr. S J Raykar (Dean R & D) : Member Secretary
4. Dr. C.D. Lokhande, Dean, CIR, DYPU : Member
5. Concerned HoD : Member
6. One Industrialist : Member

In case of any dispute the Chairman's (Executive Director) decision shall be final.

A. Research Publication

For each Research Publication, author/s will be given one time incentive based on quality of the Journal. The disbursement of incentive will be carried out as per Annexure-I.

B. Book/ Book Chapter/ Monograph

The e-book and hard copy books are considered for research incentive. The pocket books or booklets and books having less than 50 pages are not considered for research incentive.

I. For each Book (Reference or Text) authored/edited singly or jointly and published by International Publisher (McGraw Hills, Talyer Francis, Springer, Elsevier, CBS Publisher etc. or Apex bodies/Societies with ISBN (International Standard Book Number), the Authors/Editors will be given incentive maximum of Rs. 25,000/- (Disbursement of amount among authors/Editors as per Annexure-I). (From one author only one book will be considered for funding in an Academic Year).

II. For each Book (Reference or Text) authored/edited singly or jointly and published by DYP CET /National Publisher (McGraw Hills India, JP publisher, Springer India, Elsevier India, CBS Publisher etc. with ISBN, the Authors/Editors will be given incentive maximum of Rs. 15,000/- (Amount disbursement among authors/Editors as per Annexure-I). (From one author only one book will be considered for funding in an Academic Year).

III. For each Book (Reference or Text) authored/edited singly or jointly and published by Local/ Regional Publisher with ISBN, the Authors/Editors will be given incentive maximum of Rs. 10,000/- (Amount disbursement among authors/Editors as per Annexure-I). (From one author only one book will be considered for funding in an Academic Year).

IV. For each “Chapter/ monograph” in Book published by International Publisher with ISBN, the Author/s will be given one time incentive maximum of Rs. 10,000/- (Amount disbursement among author/s as per Annexure-I). From one author only one Chapter/monograph will be considered for funding in an Academic Year).

V. For each “Chapter/monograph” in Book published by National Publisher with ISBN, the author/s will be given one time incentive maximum of Rs. 8,000/- (Amount disbursement among author/s as per Annexure-I) (From one author only one Chapter/monograph will be considered for funding in an Academic Year).

C. Incentive for Sanctioned International/ National Projects

International / National Project/s funded by Government &/or private outside agencies Principal Investigator (PI) or Co- Principal Investigator/s (Co-PI)* together (in the ratio of 60:40 %) will be given one time (in first year of the project) 25% of total overhead amount as an incentive.

(*In case of Co-PI from multi institutional project, the Institute Share from the project will be considered).

D. Patent Granted

The incentive maximum of Rs. 50,000/- for International and maximum of Rs. 25,000/- for Indian Patent will be given for successfully granted patent. For more than one investigator, the disbursement of incentive will be as per Annexure-I.

E. Copyright

The incentive maximum of Rs. 10,000/- for each copyright will be given to DYP CET faculty.

F. Incentive for Presenting Paper in Conferences and for attending Seminars/ Symposium/ Workshop/ FDP etc.

Faculty presented paper (oral/poster) in International or National Conference are entitled to get T.A. as per existing rules plus registration fee on submission of true copy of the certificate. One International and One National Conference in one calendar year are permissible for individual faculty. Prior permission or approval (through proper channel) is mandatory to claim for incentive. T.A. as per existing rules plus registration fees for attending Seminars/ Symposium/ Workshop/ FDP etc. will be given on submission of true

copy of the certificate. One Seminar/ Symposium/ Workshop/ FDP etc in one calendar year are permissible for individual faculty.

For International Conference: Maximum amount will be 25,000/- (Registration + TA)

National Conference: Maximum amount will be 15,000/- (Registration + TA)

G. The incentive maximum of Rs. 5,000/- for each National and 10,000/- for International award/ recognition will be given to DYPCET faculty.

6. Research Work Seed Funds

To motivate and help faculty members to boost their research work, DYPCET will provide facility of SEED funds to projects of PG students and Faculty. Following are some of important conditions of Seed Funds.

- The **Patent and Copyrights** from project work must be in name of College
- At least **two SCOPUS indexed Journal papers** must be published from the Project
- Project should preferably from **Interdisciplinary areas**.
- Maximum Limit for Individual Department Project is Rs. 3 Lac
- Maximum limit for Interdisciplinary Project is **Rs. 5 Lac**.
- Faculty should apply for Seed funds in **prescribed format** available at Dean R & D office.

Annexure-I

Guidelines for Calculation of Incentive

1. Publication

- **For publication with Impact Factor**

Paper published in journals (with no impact factor according only Journal Citation Report, Thomson Reuter indexing agency and Scimago Journal & Country Rank) indexed with Scopus/ Web of Science/ PubMed/ Indian Citation Index: Rs. 8,000/-

- **For publication with Impact Factor**

(Impact Factor according to only Journal Citation Report, Thomson Reuter indexing agency and Scimago Journal & Country Rank) indexed with Scopus/ Web of Science/ PubMed/ Indian Citation Index:

| S. No. | Range of Impact Factor | Amount (in Rs.) |
|--------|------------------------|-----------------|
| 1. | 0.01 to 1 | 12,000 |
| 2. | More than 1 to 5 | 15,000 |
| 3. | More than 5 to 10 | 20,000 |
| 4. | More than 10 | 30,000 |

2. Incentive disbursement for Research paper /Review/Guest Editorial/Case report/ Case study/Book/ Book chapter/ Monograph/Patent amongst authors

| Number of authors from DYPCET | Distribution of Incentives |
|---|--|
| Single authored | 100% |
| First and corresponding from DYPCET (For papers in collaboration with other institutes) | First author: 50% Corresponding author: 50% |

| | |
|---|---|
| First and corresponding from DYP CET (For papers in collaboration with other institutes) | First author: 50% Corresponding author: 50% |
| First author, corresponding author and one middle author from DYP CET. (If First author and Corresponding Author is same 60 % incentives will be given and 40 % will be given to coauthor) | First author: 35 % Corresponding author: 35% Middle authors: 30% each |
| First author, corresponding author and two middle authors from DYP CET. (If First author and Corresponding Author is same 60 % incentives will be given and 40 % will be distributed in remaining authors) | First author: 30% Corresponding author: 30% Middle authors: 20% each |
| Second and Third authors from DYP CET (For papers in collaboration with other institutes) | 30% eligible amount |

(Maximum two Journal Papers from individual author will be considered for allotment of incentives. Additional papers (above two) from individual authors may be considered depending on availability of funds).

(This document will be applicable to all faculty, staff and students of **D. Y. Patil College of Engineering and Technology** involved in any form of research activity.)

Dr. Sunil J. Raykar

Dean R & D

Dr. S. D. Chede

Principal

Dr. A. K. Gupta

Executive Director