

Dr D Y Patil School of Engineering, Lohegaon, Pune.



D J PATIL GROUP

# R&D: Incentive Policy

Promotes incentive scheme for research

DYPSOE / POLICY/ 2016/ R&D: Incentive / Version 1

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## *Vision*

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Empowerment through quality technical education

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## *Mission*

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- M1: To excel as a center of excellence in technical education
  - M2: To impart skill based education to meet the needs of industry and Society
  - M3: To achieve excellence in teaching, learning and research
  - M4: To inculcate social & ethical values among the students
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## *Quality Policy*

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We strive to impart the quality technical education through academic excellence and provide best of facilities to satisfy the need & expectations of the students & stakeholders.

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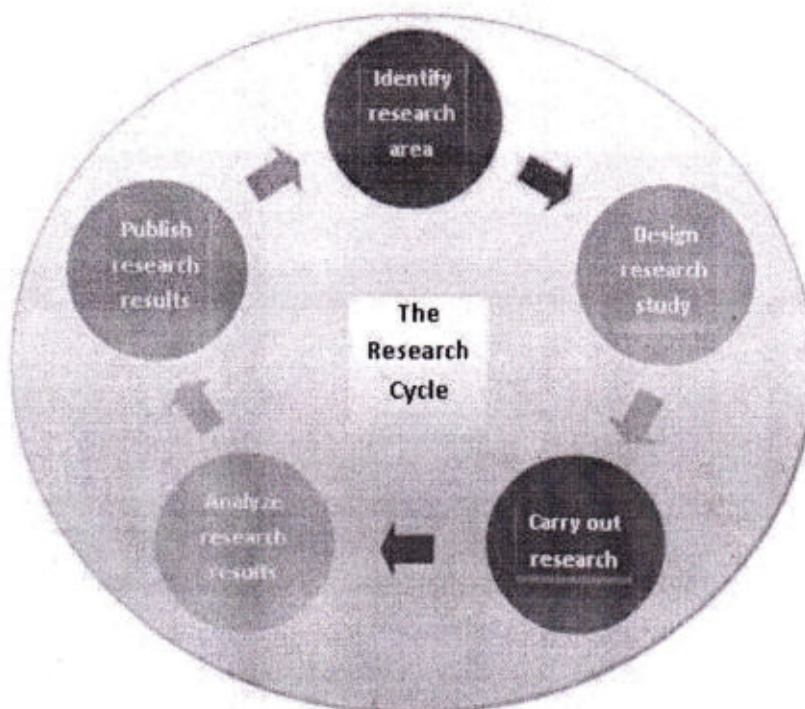


## 1. Introduction:

Teaching and Research are the main functions assigned to any institute. Teaching is a prime function and needs to be performed at the highest level of competence; that is possible only when the faculty is involved in the research activity.

Research is an original contribution to the existing stock of knowledge making for its advancement. It is the pursuit of truth with the help of study, observation, comparison, experiment, collection of facts or data, analyzing the facts to reach certain conclusions either in the form of solution(s) towards the concerned problem or in certain generalizations for some theoretical formulation. In short, the search for knowledge through objective and systematic method of finding solution to a problem is research.

Research essentially nourishes the academic program and such engagement helps teachers to remain at the cutting edge, with advances in their own subject. It also sustains the interest in academic activities and widens the scope of learning. Importantly, it helps the institute to stand at the global level.



## 2. R&D Cell

The R&D cell comprises of faculty members from various departments in the institute. This committee oversees the smooth and efficient coordination of research and development activities in the institute, thus fostering overall growth.

A senior faculty heads this cell in the capacity of Dean (R&D), ably supported by HsOD; with the Principal providing advisory support. The faculty members that constitute the R&D Cell are,

1	Dr. Farooq Sayyad	Principal
2	Dr. S. M. Khairnar	Dean (R & D)
3	Col. Sanjay Karodpati	Head (Civil Engg.)
4	Dr. S. M. Koli	Head (E&TC Engg.)
5	Mr. Rohit Garad	Head (Mechanical Engg.)
6	Dr. Pankaj Agarkar	Head (Computer Engg.)
7	Mr. Riyaj Kazi	IQAC Coordinator
7	Dr. R. C. Katdare	Faculty (Civil Engg.)
8	Dr. Sunil Rathod	Faculty (Computer Engg.)
9	Dr. Sania Ansari	Faculty (E&TC Engg.)
10	Dr Dileep More	Faculty (Mechanical Engg)
11	Dr Rahul Kumar Katkade	Faculty (Engg Sciences)

The role of each of the members can be summarized as,

- To encourage and motivate faculty for externally funded research and development, interdisciplinary and multidisciplinary research, product design and development, publications in journals of high standing.

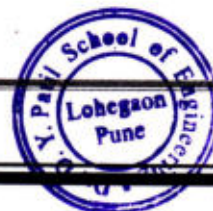
- To facilitate discussions and collaborations with researchers from other institutes, with the possibility of joint work in various thrust areas of national and international importance.
- To initiate and promote MoU with industries and R&D organizations; for consultancy, collaborative research, sponsored projects, industry institute interactions etc.
- To arrange talks and interactions by eminent personalities from industry, R&D organizations and institutions of repute; for the better understanding of research methodology and practices currently followed.
- To support faculty for delivering talks at different events and conducting workshops, training programs, seminars, conferences, symposiums, faculty development programs.
- To visit R&D organizations and disseminate information regarding the effective implementation of research projects vis-a-vis the institute.
- To suggest peer reviewed national and international journals for subscription in central library as well as department library.
- To formulate the R&D budget of department in close co-operation with the faculty and the Head.
- To keep everyone abreast of all announcements by various funding agencies like DST, DAE, DRDO, ISRO, CSIR, AICTE, UGC, SPPU, and the like.
- To motivate students for presenting papers in National and International conferences, and projects in competitions and exhibitions. B.E. projects can be considered as a mini research project. Interdepartmental / collaborative work to be encouraged positively.
- To convert good innovative ideas of BE / ME projects in to Publications / Patents.
- 



### 3. R&D Incentives

The institute follows a unique point based incentive scheme to reward the research work carried out by faculty in the respective year. This is a one of its kind scheme initiated with the patronage of our Executive Director and serves as an effective motivation for faculty, to undertake research in their chosen areas of interest. The various points considered for R&D incentives are tabulated below,

Category: Research & Development						
Sr. No.	Type	Details & Scale	Points		Self-Evaluation	Evaluation by HOD
01.	Research Projects Completed	More than 10 lakhs	15	Principal Investigator & Co-investigator or would get 50% each		
		Less than 10 lakhs	10			
	Research Projects Ongoing	More than 10 lakhs	10			
		Less than 10 lakhs	05			
<ul style="list-style-type: none"> <li>The points mentioned are for PI and Co-PI. In case of multiple CoPIs, the points shall be divided equally amongst all Investigators.</li> <li>All such projects that receive funding and grants from apex bodies, government or non- government funding agency, R&amp;D organizations, industry, university, etc. are eligible to be considered.</li> <li>The points for external funded projects shall be based on the actual amount received, and not on the amount sanctioned.</li> </ul> <p>Outstanding performance in the form of funds received in the excess of Rs. 25</p>						





lakhs, will be directly awarded certificate of appreciation on submission of progress report/s /utilization certificate.

02	Publications :			
	a) Research Papers	Peer Reviewed or UGC Listed Journals	08per Paper	
	b) Translation works in Indian & Foreign Languages by qualified faculties	Chapter or Research Paper	03 per chapter / paper	
		Book	08 per book	

- Publications in journals, with an ISSN No., Peer Reviewed, approved by UGC/AICTE/ Indexed in Scopus / WOS / ISI shall only be considered.
- The institute's name should appear in the affiliation of the author/s; for consideration of incentive points or API.
- Two authors: 70% of total value of publication for each author.
- More than two authors: 70% of total value of publication for the first / principal / leading / corresponding author & 30% of total value of publication for each of the joint authors.

The score for paper in peer reviewed or UGC Listed Journals shall be augmented as follows; ( Impact factor to be determined as per Thomson Reuters List)

- Paper in referred journal without Impact factor: 05 points
- Paper with Impact factor less than 1 : 10 points
- Paper with Impact factor between 1 and 2 : 15 points
- Paper with Impact factor between 2 and 5 : 20 points
- Paper with Impact factor between 5 and 10 : 25 points
- Paper with Impact factor > 10 : 30 points

03	Creation of ICT mediated Teaching Learning pedagogy & content and development of new and innovative courses & curricula	i. Development of Innovative Pedagogy	05		
		ii. Design of new curricula & courses	02 per curricula /course		
		iii. Development of complete MOOC's in 4 quadrants 4 credit course	20		
		iv. MOOC's ( developed in 4 quadrant) per module / lecture	05		
		v. Course coordinator for MOOC's for 4 credit Course	08		
		vi: Content writer / subject matter expert for each module of MOOCs ( at least one quadrant)	02		
04	Courses/ Programs Organized for Faculty (Max: 10 points)	i. International	05		
		ii. National/ State/ University	03		

- Refresher Courses, Training Courses, Conferences, Seminars, Workshops, STTPs, FDPs, etc are included.
- The points for organizing conferences, workshops, STTPs, etc. shall be claimed only by the Convener/ Coordinator of the event.
- For all such events that are funded by some agency, the points shall be increased to 08 and 05 respectively. The funding in this case has to cover minimum 70% of the total expenses for consideration of additional points.
- For international minimum 10 participants shall be from abroad.
- For national minimum 25 % shall be from out of Maharashtra.

05	Research Guidance	Ph. D.	10 per degree awarded		
			05 per thesis submitted		
		ME / M Tech / MS dissertation	02 per degree awarded		

- The points for PG shall be awarded only on award of degree by the university.
- The student should contribute to the institution in the form of lecture, seminar, publication..... etc.

06	Invited lectures / Resource Person / Paper Presentation in Seminars	> International (Abroad)	07		
			05		
	/ Conferences / Full paper in Conference Proceedings.	> International (India)	03		
			> National State / University		

Paper presented (Seminars / Conferences) if part of edited book or proceeding then it will be counted only once / claimed only once.



07.	Consultancy	Private/Government Organization/ Industry...etc	03
08.	Awards / Fellowship	• International	07
		• National	05
09	Books and Chapters in Books		12
		i. International Publishers	
		ii. National Publishers	10
		iii. Local Publisher	03
		iv. Chapter in Edited Book	05
		v. Editor of book by International Publishers	10
		vi. Editor of book by National Publishers	08
<ul style="list-style-type: none"> <li>• In case of multiple authors, equal weightage to all the authors.</li> <li>• Publications with an ISBN No. shall only be considered.</li> <li>• The institute's name should appear in the affiliation of the author/s;for consideration of points.</li> <li>• Original contribution is required for writing the books or chapters in books.</li> </ul>			
10	Patent	i. International	20
		ii. National	10



- The points shall be equally distributed amongst all; if the number of people registering the patent is more than '1'.
- The patent shall irrevocably be registered in the name of institute with the researcher's name prominently featuring as the inventor. The commercial aspects shall be mutually worked out between the institute and the researcher on a case-to-case basis.

11	Innovative Product Development	10						
The product designed should be commercially viable one, and have had received acceptance from the industry with National / International recognition.								
12	Policy Document (Submitted to an international body / organization like UNO / UNESCO / World Bank / International Monetary Fund etc. or Central / State Government.	<table border="1"> <tr> <td>International</td> <td>10</td> </tr> <tr> <td>National</td> <td>07</td> </tr> <tr> <td>State</td> <td>04</td> </tr> </table>	International	10	National	07	State	04
International	10							
National	07							
State	04							

IMPORTANT NOTE

THE FACULTY MEMBER HAS TO CONTRIBUTE FROM DIFFERENT CRITERION IN DIFFERENT CATEGORY ELIGIBLE FOR R&D INCENTIVE



#### 4. Incentive Criteria

The points to be considered for recommending R&D incentives are tabulated herewith;

R&D Incentive	Points $\geq$ for		
	Assistant Prof.	Associate Prof.	Professor
1	50	100	100
2	100	200	200
3	150	300	300
4	200	400	400

Note : The period of consideration shall be from 1<sup>st</sup> July to 30<sup>th</sup> June

All such faculty eligible for R&D incentives shall submit the report with supporting documents to the HoD, through the Research Coordinator of the department by 20<sup>th</sup> of June every year. The HoD along with some senior faculty members shall then carry out a rigorous scrutiny at the department level; and ensure that their recommendations reach the R&D cell, latest by 25<sup>th</sup> of June, every year.

#### 5. Mode of Execution

The R&D Incentive scheme shall follow a transparent, multi-tier process with the following authorities;

Evaluating Authority : Head of Department

Reviewing Authority : Dean (R&D)

Recommending Authority: The Principal

Approving Authority : Director



## 6. Policy Details

Policy drafted by	R&D Cell
Policy Applies to	The students and staff of the College
Effective from the date	1 June 2016
Approved by	Management and IQAC
Responsible Authority	R&D Cell
Superseding Authority	Principal
Last Reviewed	8 June 2020
Policy No.	DYPSOE / POLICY/ 2016/ R&D: Incentive / Version 1

  
Prepared by  
R&D Cell

  
Approved by  
Principal

  
Approved by  
Management