

07th July 2023

Research Promotion Policy

Research is an important parameter for any Institution. To promote Research and publications by the faculty members and students of the Sardar Patel College of Engineering, the guidelines for research promotion are categorized as:-

1) Policy for promotion of Research projects, publications, consultancy and research related activities.

2) Policy for pursuing Ph. D.

3) Financial assistance for attending National and International Conferences and Faculty Development programmes.

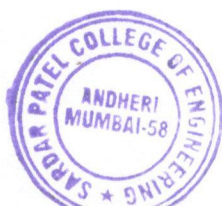
1) Policy for promotion of Research projects, publications, consultancy and research related activities.

i) Faculty members are encouraged for publishing Books in the reputed publishing house. On publication of **Scopus indexed Book** the authors will be awarded by incentive of Rs. 4000/- (Rs Four Thousand only). The prize money will be equally shared in case of multiple authors of Book from the institute.

ii) Faculty members are encouraged for Publishing scientific/research articles in SCOPUS/ SCI/Web of Science/ UGC CARE indexed journals. On publication of article in **Scopus/ SCI/ web of science indexed journal** authors will be awarded by prize of Rs. 5000/- (Rs Five thousand only). The prize money will be equally shared in case of multiple authors (including students) of scientific/research article from institute. Award will be given to authors only if he/she has not availed any other financial assistance under any sections (except category for PhD pursuing) from this Research Promotional policy.

iii) On publication of article in **Scopus/ SCI/ web of science indexed conference/Book Chapter** authors will be awarded by prize of Rs. 1000/- (Rs One thousand only). The prize money will be equally shared in case of multiple authors (including students) of scientific/research article from institute. **Award will be processed only after Scopus/SCI/ web of science indexing of the conference article/Book chapter.** Award will be given to authors

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only if he/she has not availed any other financial assistance under any sections (except category for PhD pursuing) from this Research Promotional policy.

iv) Faculty members are encouraged for Indian patent and copy right filing. On grant of Indian patent, investigator will be awarded by prize of Rs. 5000/- (Rs Five thousand only). The prize money will be equally shared in case of multiple investigators (including students) of patents from institute. Award will be given to investigators only if patent consists of at least 50% rights to institute.

v) The faculty (Principal Investigator) are encouraged for submitting a research project for extramural funding to various institutions such as National Research Foundation (NRF), All India Council for Technical Education (AICTE), Science and Engineering Research Board (SERB), Department of Science and Technology (DST), Department of Bio Technology (DBT), Defence Research Development Organisation (DRDO), Board of Research in Nuclear Sciences (BRNS), University Grant Commission (UGC) etc. The basic infrastructural facility to execute the research project will be provided by the institute. On sanctioned of such **research projects** from funding agency, the Investigator shall be awarded monetary rewards of 1% (one percent) of the funding received by institute. The monetary reward will be equally shared in case of multiple investigators of the project from the institute. Seed money research project under TEQIP/MERITE will not be considered for monetary rewards. Award will be given to investigators only if he/she has not availed any other financial assistance under any sections from this Research Promotional policy.

vi) Faculty members will be appreciated on receiving state/national/International award/fellowship from Head of the Institute.

vii) The researcher is permitted to use the infrastructural facilities like research equipment's available within the institute, with prior approval through proper channel.

viii) A letter of appreciation from the Chairman BoG would be given to two researchers in each of the category per year from the institute for extraordinary research work. (Refer Annexure I and II for the methodology for assessment of research activities conducted by faculty in calendar year). Awardees of the year will not be permitted to apply for award for next subsequent calendar year.

ix) The Plagiarism check done by software purchased by institute for scientific papers of students/faculty from SPCE shall not be charged. Each department shall constitute the

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Departmental Academic Integrity Panel (DAIP) as per the guidelines given by UGC to prevent plagiarism.

x) This scheme mentioned in this section is applicable to all the faculty (including adhoc) and students.

xi) Award shall be processed only if the applicant has clearly stated the institutional affiliation (affiliation of SPCE) in the published research paper, book article, project, programme etc.

xii) Department and Institute shall give best thesis award in each of the UG and PG programs. HoD shall formulate policy for the departments best thesis award and shall forward three projects for institutes best thesis award. The policy for the Institutes best thesis award is as provided in Annexure III.

2) Policy for pursuing Ph. D

The objective of this guideline is to encourage the faculty member to improve their qualifications by pursuing Ph.D. programme. Any teacher of the institute can enroll for the Ph.D. programme as per the procedure laid down by Directorate of Technical Education (DTE) and Government of Maharashtra.

i) A teacher of institute shall be provided Rs. 2,000/- (Rs Two Thousand Only) per annum as contingency fund for stationery, purchase of book etc. However, the books purchased shall be deposited with the departmental library after completion of the Ph.D. Contingency fund permissible for the stationery shall be up to Rs 1000/- (Rs One thousand only) per year for three years of PhD programme. This contingency fund will be given to only those teachers who are pursuing Ph. D. programme in scheme other than QIP.

ii) PhD student enrolled in institute research centre is eligible for partial reimbursement of fees maximum upto Rs 5000 per year purely based on his/her research outcomes.

Following is the outcomes based criteria prescribed for PhD students of SPCE.

a) Partial reimbursement in fees in First year of PhD program under following achievements:

CPI in course work above 7.5 and at least one publication in Scopus/Web of science indexed conference or above.

b) Partial reimbursement in tuition fees in second and third year of PhD program under following achievements:

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- At least one publication in Scopus/Web of science indexed **journal** in academic year.
- Scheme is applicable only for first three years of admissions of student enrolled for PhD program.
- Reimbursement in fees of Rs 5000 (Rs Five thousand only) per year for PhD student enrolled in SPCE research Centre.

iii) Internal faculty seeking admission to in house PhD program shall perform and execute the regular teaching and administrative work assigned by the institute. The faculty pursuing PhD in in house program will be available for the PhD related work on weekends and during vacation slots.

3) Financial assistance for attending National and International Conferences and Faculty Development programmes.

A. Objective:

To encourage the faculty for attending the National / International conferences / seminar/ symposia/ workshops and short duration training programmes.

B. Guidelines for Financial Assistance to Teachers to Attend the Conferences/Seminars/Symposia etc. in India or Abroad.

- Financial assistance will be given to teacher generating revenue from consultancy work for activities mentioned in points iii to v presented in this section.
- The permissible financial assistance for attending national/international conference/workshops/symposia and short duration training programme will be as follows

Sr. No.	Revenue Generated From Consultancy (Rs)	Maximum Financial Assistance (Rs)
1	50,000 to 5,00,000	10,000
2	5,00,001 to 10,00,000	25,000
3	10,00,001 and above	40,000

iii. Teachers going under any international collaboration exchange programme with CSIR, DST, AICTE, Indian Council of Social Science Research (ICSSR) and other government and government undertaking agencies of similar reputation may be provided financial assistance up to 50% of the travel expenses or Rs 20,000/- (Rs Twenty Thousand only) whichever is less once in a two year. However, the works and detailed plan of such visits should be submitted to the

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Dean (R&D) and Principal. Financial assistance for only one faculty per department/section will be given per year.

iv. Financial assistance to teachers for attending the conferences/seminars/symposia etc. at national level will be available once in two calendar years. In such cases, the financial assistance will be limited to travel expenditure (actual train fare-AC-2 Tier or equivalent air fare) and registration fee to a maximum of Rs. 15,000/- (Rs. Fifteen Thousand only). Only two faculties per department/section shall be permitted in a calendar year for attending conferences/seminars/symposia etc. at national level.

v. Financial assistance to teachers for attending the conferences/seminars/symposia etc. abroad/internationally will be available once in two calendar years. In such cases, the financial assistance will be limited to travel expenditure and registration fee to a maximum of Rs 40,000/- (Rs Forty Thousand only). Deputation to attend conference in India will not be counted for the purpose of availing such assistance. Only two faculties per department/section shall be permitted in a calendar year for attending conferences/seminars/symposia etc. at international level/abroad.

vi. Only one teacher per department will be allowed to attend the same conference in India or abroad. In case of two or more applicants for attending the same conference/seminars and symposium etc, the younger teacher will be given preference over the other senior teacher to promote or update his / her knowledge and enable him/her to perform better.

vii. Teacher availing financial assistance under point's iii to v of this section will not be eligible for monetary benefits for publication of research articles as prescribed in category 1 and 2 of this Research Promotional Policy.

vii. The grant sanctioned will be reimbursed after submission of report and appearance of paper in scopus/web of science database (in case of paper presentation in conference). Original bills and boarding passes shall be submitted for reimbursement.

C. Eligibility for Financial Assistance

a. The teachers who are invited to attend national/international academic conference/seminars etc. should verify that the level of programme and the institution organizing the events is truly the national/international, professional and capable of enhancing the skills of the participants.

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b. For availing financial assistance, the conference shall be of reputed organization such as ASME, ASCE, IEEE, MATADOR etc. which has **track of publishing Scopus/Web of Science indexed conference paper.**

c. The financial assistance may be provided in the following order of preferences:

1. Teachers delivering keynote address/plenary lectures in ASME, ASCE and IEEE sponsored conference

2. Teachers contributing a paper

3. Teachers invited to chair a session in ASME, ASCE and IEEE sponsored conference

4. Teachers invited under international collaboration exchange programme

5. Teacher invited to give talks/lectures in ASME, ASCE and IEEE sponsored conference

d. The acceptance of papers from organizers should have been received.

e. Subject to all other conditions being equal, preference may be given to applications that have already raised part financial support from other sources. Preference may also be given to those who have never been deputed to attend such conferences.

D. Procedure for Applying for Financial Assistance for Attending Conferences/ Seminars/ Symposia etc. in India or Abroad

i. The prescribed application form for conference/symposia/seminar etc. in India and abroad is to be used.

ii. Application duly forwarding by the Head of the Department with specific recommendation (regarding eligibility and amount to be given), should reach the Office of the Dean (Research and Development) preferably 45 days before the date of the programme (even if, the acceptance letter is not received which should be submitted as soon as it is received) along with the following document:

a. A soft copy of the full text of documents/papers prepared by the teacher for presentation at the National/International conference/seminars/symposia/ congress/workshops. The details of training programme, even if of short duration should be provided.

b. Brief details of the organizers, title of the programme, place and duration of the conference etc. in which the paper is proposed to be presented or participation is desired.

c. A copy of the letter of invitation from the organizers of the conference/ seminar/ symposium accepting the paper for presentation, immediately after it is received or a copy of the letter from

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the organizer inviting the teacher to chair a session/section and mentioning details of the financial support offered etc. should also be enclosed.

d. In case of conference / seminars / symposia / congress / workshops / training programme of short duration, the invitation or other relevant documents should be attached.

iii. The application will be presented before Research Advisor of the Department.

iv. On recommendation of Research Advisor the application will be forwarded for approval of Chairman BOG through proper channel.

E. Follow-up Action after attending conference at abroad and India

i. The teachers not utilizing their sanctioned amount for whatever reason should immediately inform the Dean (Research & Development) within a week through the concerned HoD to enable others to utilize the amount so released.

ii. Deputed teachers after attending conferences should provide a report and participation certificate and submit the bills within one month of return from the conference.

iii) All the monetary benefits for Research projects, publications and research related activities shall be given on recommendation of Research committee, research advisor and Chairman BOG.

iv) PG fund shall be utilised for providing monetary benefits for all schemes mentioned under Category 1 and 2 prescribed in this Research promotional policy.

v) Fund from the consultancy account shall be utilised for all schemes mentioned under Category 3 prescribed in this Research promotional policy.

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Annexure I (General)

Methodology for Calculating Research Score

(Assessment must be based on evidence produced by the teacher such as: copy of publications, project sanction letter, utilization and completion certificates issued by the organizing institutions and acknowledgements for patent filing and approval letters, students' Ph.D. award letter, etc.,)

Sr. No.	Research Activity	Points	Maximum limiting points/ Remarks
1	Research Papers in Peer-Reviewed Scopus/SCI/Web of science indexed Journals	6 per paper (3 points if first author or main supervisor, remaining score shall be equally distributed among all other authors)	14
2	Papers in Peer-Reviewed Scopus/SCI/Web of science indexed conference	2 per paper (1 points if first author or main supervisor, remaining score shall be equally distributed among all other authors)	06
3	Book chapter in Peer-Reviewed Scopus/SCI/Web of science	2 per chapter (1 points if first author or main supervisor, remaining score shall be equally distributed among all other authors)	04
4	Peer-Reviewed Scopus/SCI/Web of science Book Authored	05 per Book	05
5	Translation works in Indian regional Languages	2 per book	04
6	Research Guidance		12
	PhD	6 per degree awarded	
	M. Phil./ M. Tech.	02 per degree awarded (Maximum 4 score)	
7	Research Projects/Grants (Research projects under TEQIP/MERITE will not be considered for evaluation)		
	Research Projects Completed		
	More than 10 lakhs	20 per project	20
	Less than 10 lakhs	10 per project	
	Research Project Ongoing		
	More than 10 lakhs	05 per project	10
	Less than 10 lakhs	03 per project	
8	Consultancy and Testing	3 per project	09
9	Establishment of Centre of Excellence or Laboratory in collaboration with		06

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	Industry or external funding agency		
10	Patents (only if Granted with rights of institute equal to or more than 50%)	3 per patent	07
11	Keynote Lecture/Invited Talks/ Editorial board member on Scopus or web of science SCI/ESCI indexed journals/Session Chair in reputed Conference/ Coordinator/Co-coordinator of Seminars, Conference, Faculty Development Programs, Workshops/Editor Board of International Repute	1 per activity	03

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Annexure II (Assistant Professor)

Methodology for Calculating Research Score

(Assessment must be based on evidence produced by the teacher such as: copy of publications, project sanction letter, utilization and completion certificates issued by the organizing institutions and acknowledgements for patent filing and approval letters, etc.,)

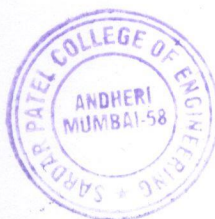
Sr. No.	Research Activity	Points	Maximum limiting points/ Remarks
1	Research Papers in Peer-Reviewed Scopus/SCI/Web of science indexed Journals	6 per paper (3 points if first author or main supervisor, remaining score shall be equally distributed among all other authors)	18
2	Papers in Peer-Reviewed Scopus/SCI/Web of science indexed conference	2 per paper (1 points if first author or main supervisor, remaining score shall be equally distributed among all other authors)	09
3	Book chapter in Peer-Reviewed Scopus/SCI/Web of science	2 per chapter (1 points if first author or main supervisor, remaining score shall be equally distributed among all other authors)	05
4	Peer-Reviewed Scopus/SCI/Web of science Book Authored	05 per Book	05
5	Translation works in Indian regional Languages	2 per Book	04
6	Research Projects/Grants (Research projects under TEQIP/MERITE will not be considered for evaluation)		
	Research Projects Completed		
	More than 10 lakhs	20 per project	20
	Less than 10 lakhs	10 per project	
	Research Project Ongoing		
	More than 10 lakhs	05 per project	10
	Less than 10 lakhs	03 per project	
7	Consultancy and Testing	3 per project	09
8	Establishment of Centre of Excellence or Laboratory in collaboration with Industry or external funding agency		06
9	Patents (only if Granted with rights of institute equal to or more than 50%)	5 per patent	10
10	Keynote Lecture/Invited Talks/Editorial	1 per activity	04

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	board member on Scopus or web of science/SCI/ESCI indexed journals/ Session Chair in reputed Conference/ Coordinator/Co-coordinator of Seminars, Conference, Faculty Development Programs, Workshops		
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Bhartiya Vidya Bhavan's

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(Government Aided Autonomous Institute affiliated to University of Mumbai)

www.spce.ac.in

Annexure III



Evaluation Scheme for Best Thesis Award

Evaluation Scheme:

The evaluation and marks will be awarded based on the following parameters.

1. Successful demonstration of the project objectives using developed hardware/prototype or demonstration of application of modern digital technologies in engineering.
(Maximum 10 marks)

Technology readiness level 1 to 3 --- 3 marks

Technology readiness level 4 to 6 --- 6 marks

Technology readiness level more than 6 --- 10 marks

2. Assessment on Quality and Quantity of Research Publications (Maximum Marks under criteria= 10 marks)

Patent published or Journal publication (Scopus or Web of Science indexed journal) –10 marks (10 marks per publication).

Conference Publication (Scopus or Web of Science indexed) – Maximum 4 marks (2 per publication).

Participation in poster competition in research symposium/conclave – Maximum 2 marks (2 per participation in the event).

3. Contributions the Thesis makes to the Research Area/ Discipline (05 marks)
Novelty or Creativity in Research Findings of the Thesis and breakthrough ideas--- 5 marks.
Incremental research – Maximum upto 3 marks

4. Contributions the Thesis makes to solve real life problems/ industry/ society, alignment with national mission if any, (05 marks)

Successful implementation of project in real life problem solving/industry/society etc. – 5 marks.

Conceptualization of idea/ Framework and its pilot model –Maximum 3 marks

5. Assessment on the thesis work report writing (Maximum 10 marks)

The assessment on the thesis work includes following aspects:

- (i) Literature Review (01 mark)
- (ii) Research gap and Problem identification (01 mark)

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- (iii) Thesis organization & clarity, (01 mark)
- (iv) Project Objective and Methodology (02 mark)
- (v) Results obtained (01 mark)
- (vi) Inferences drawn from the results and discussion (01 mark)
- (vii) Conclusion (01 mark)
- (viii) Future scope (01 mark)
- (ix) Ethics (01 marks)

Committee for evaluation of Best Thesis Award:

Head of the Institute shall constitute an evaluation committee for the best thesis award.

1. Head of the Institute (Chairman).
2. Three external faculty members as experts (Expert each from Civil, Mechanical and Electrical Engg.).
3. Dean's
4. HoD's.

Head of the Institute will Chair of the committee.

The composition of external members shall have expertise covering Civil, Mechanical, Electrical Engineering and recent thrust/emerging areas of technology and technology integration.


Committee Chairman shall submit the evaluation report and recommendation of Best Thesis award to Head of the Institute.

In case of any dispute the decision of the Head of the Institute will be the final.

Selection Criteria:

The guide shall recommend the student's project to HoD's with specific remarks aligned with evaluation scheme for the best thesis award and shall provide the hard copy and soft copy of the thesis to the evaluation committee. HoD shall recommend maximum three project work for the Institutes Best Thesis Award.


The project work that are scored 15 marks or above will be ranked based on the total score and the top score / rank-1 will be recommended for best thesis award. In case of tie in the score, the project who has the highest score in point 4 (contributions the thesis makes to solve real life problems/ industry/society, alignment with national mission if any) will be ranked higher. While tie-breaking the score, if there is a tie in score for point 4 then the score in point 2 will be considered and thesis which has higher score will be ranked higher.


Dean (Research & PG Programs)
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