

PARUL UNIVERSITY

Office of the Registrar
March 9, 2022

R/Notification-804/2021-22

NOTIFICATION

Sub: Research & Development Policy of the University

Ref: (i) No.R/Notification-618/2020-21 dated 8.2.2021 and its Corrigendum dated 25.10.2021

(ii) Proposal submitted by Director, CR4D

(iii) Approval of the Medical Director

In partial modification of the notifications cited at ref.(i) and (ii), the following changes are made

8.4 Promoting Patent Filing: Research involving industrial application is encouraged to be protected by patent filing. The full expenditure for patent filing shall be borne by the University. Apart from this, the following incentives* shall be offered to the inventors. Applicants can apply for this assistance on Proforma D.

- | | |
|---|----------------|
| i) Patent application filing with full specifications | : Rs. 3000/- |
| ii) Grant of patent | : Rs. 10,000/- |

*The incentive shall be offered to the mentor (it may be distributed among other collaborating inventors).

8.5 Promoting research publication: Publication of research/review articles or letter to the Editor in peer reviewed journals is a recognized scale for measuring the outcome of R & D activity. Incentives are offered to the authors of publications as given below. Applicants can apply for this assistance on Proforma E.

- | | |
|--|--------------|
| i) UGC/NAAS (>6 Score) listed journals (Journals found qualified through UGC-CARE Protocol, Group-I) | : Rs. 1000/- |
| ii) Web of Science indexed/listed journals [excluding emerging SCI (ESCI)] (without impact factor) | : Rs. 3000/- |
| iii) SCOPUS/ PubMed listed journals (without impact factor) | : Rs. 4000/- |
| iv) SCI indexed/listed journals (without impact factor) | : Rs. 5000/- |
| v) SCOPUS/SCI/Web of Science (without ESCI)/PubMed Journals having SCI impact factor): | |
| a) IF 0.1 to 0.49 | : Rs.6000/- |
| b) IF 0.5 to 0.99 | : Rs. 7000/- |
| c) IF 1.0 to 2.99 | : Rs. 8000/- |

d) IF 3.0 to 4.99 : Rs. 9000/-

e) IF 5.00 to 7.99 : Rs. 10,000/-

f) IF 8.00 to 9.99 : Rs. 12,000/-

g) IF 10.0 to 15 : Rs. 15,000/-

h) IF >15 (with every increase in IF of one there would be an enhancement of an additional Rs. 1000/- with a maximum of Rs. 25,000/-)

vi) Additional Rs. 1000/- per research paper shall be given beyond publication of two research papers (this is applicable for research papers published in journals listed in SCI/SCOPUS/WoS only) in a year. For research papers in other journals, this augmentation shall not be applicable.

NOTE:

❖ The above given incentives (i to v) shall be applicable to research/review articles or letter to Editor as given below:

Research Articles : 100% of the above given amounts

Review Articles : 80% of the above given amounts

Letter to the Editor : 60% of the above given amounts

❖ No incentive shall be admissible for writing 'Review of Book' in any journal/magazine.

❖ For incentives claimed by the Faculty members for **review articles of PG students**, the amount will be reduced by 50 % of the entitlement.

❖ Article processing charges (APC) for publishing articles in SCI/SCOPUS/WoS (ESCI not included) listed journals would be reimbursed (with a maximum limit of Rs. 25,000/- per article) subject to submission of relevant documents.

8.6 Promoting publication of Books/book chapters: Incentives are offered to faculty members for writing books/book chapters with reputed publishers as given below. Applicants can apply for this assistance on Proforma F.

i) Book chapter published in book published by reputed Indian Publisher:

A Grade Publisher : Rs. 3000/-

B Grade Publisher : Rs. 2500/-

C Grade Publisher : Rs. 1000/-

ii) Book chapter (peer reviewed) published in book published by International Publisher[¥]:

Category A : Rs. 7000/-

Category B : Rs. 6000/-

Category C : Rs. 1500/-

Category D : -Nil-

iii) Book published by reputed Indian Publisher:

A Grade Publisher : Rs. 6000/-

B Grade Publisher : Rs. 5000/-

C Grade Publisher : Rs. 3000/-

iv) Book published by International* Publisher:

Category A : Rs. 12,000/-

Category B : Rs. 10,000/-

Category C : Rs. 5000/-

Category D : -Nil-

v) Publication of Policy matter Report/White paper in Government publications/reputed magazines (such as Economist, Political Weekly etc.) : Rs. 2500/-

vi) Publication of Book/Book chapter/Thesis in book form by LAP-Lambert or publisher of same status (National/International) shall be treated as follows:

- Book with pages more than 200 will be treated as a Book published by an Indian publisher (Category B).
- Book with pages less than 200 will be treated as a Book chapter published by an Indian publisher (Category B).
- Book with pages less than 100 will be treated as a review article equivalent to a journal without impact factor (UGC-CARE/Web of Science).

NOTE: More than one book chapter in the same book by the same author(s) shall have the following distribution:

Sr.No.	Particulars	Incentives
1	Two book chapters	Full amount (1) for the first chapter and Half (1/2) of the above mentioned amount for the second chapter.
2	Three book chapters	For the two chapters as given in point No. 1 and one third (1/3) of the above mentioned amount for the third book Chapter
3	Four book chapters	The incentives shall be given using the

	and more	formula $(1+1/2+1/3+1/4....+1/n)$, but not exceeding the amount equal to the incentives given for a full book).
The above Note will not be applicable to Book chapters published by International publishers [Category A publisher or in which the author (claiming the incentives) is First/Corresponding author].		

(***International Publishers:** **Category A:** CRC Press (USA), Springer, Springer Nature, Elsevier, Academic Press, John Wiley & Sons, Wiley, Pergamon (USA), Pearson Education, Thomson Reuters, McGraw-Hill Education, Oxford University Press, Cambridge University Press, Prosveshcheniye Publishers, Shinchosha Publishing Co.; **Category B:** Lap/Lambert (Germany), Publishers of more than 10 years of standing in publishing; **Category C:** Publishers with less than 10 years but more than 3 years of standing; **Category D:** Publishers with less than 3 years of standing)

8.7 Promoting exposure of the faculty for presenting research papers

(oral/poster)/delivery of expert talks/participating in

STTPs/FDPs/QIPs/Workshops etc: Incentives shall be offered along with duty

leaves for participation in all such activities as follows. Applicants can apply for

assistance on Proforma G.

Sr.No.	Particulars	Remuneration
i)	Paper presentation (oral/poster) in International conference* organized outside India	Actual expenses upto a maximum of Rs.35,000/- (This includes Registration charges and travel expenses) (*A faculty member shall be eligible for such conferences ONCE in TWO years)
ii)	Paper presentation (oral) in International conference† organized in India	Actual expenses upto a maximum of Rs. 15,000/-

		(This includes Registration charges and travel expenses)
iii)	Paper presentation (poster) in International conference† organized in India	Actual expenses upto a maximum of Rs.12,000/- (This includes Registration charges and travel expenses)
iv)	Paper presentation (oral) in National conference†	Actual expenses upto a maximum of Rs.10,000/- (This includes Registration charges and travel expenses)
v)	Paper presentation (poster) in National conference†	Actual expenses upto a maximum of Rs.7,500/- (This includes Registration charges and travel expenses)
vi)	Paper presentation (oral/poster) in Regional/state level conference†	Actual expenses upto a maximum of Rs.5,000/- (This includes Registration charges and travel expenses)
Note: [†A faculty member shall avail ANY ONE of (i to vi) in a year]		
vii)	Participation of faculty members for expert talk/key note address in conference/seminar/Symposium organized by National agencies/reputed universities/Institutions (Duty leave only shall be granted for the event)	NIL
viii)	Participation of faculty members in	Reimbursement of full

	STTPs/FDPs/QIP/ Workshops conducted by prominent/reputed institutions (Only one faculty member from One Department of each Institute nominated by the Dean shall be eligible for one Programme in a year).	registration fee or Rs.10,000/- (whichever is lesser)
ix)	ONLINE Paper presentation in National/International conference	An amount equal to 75 % of the Registration fee but not exceeding Rs. 10,000/- would be payable to the applicant with the submission of documentary evidence for presentation of the paper.

NOTE:

1. There shall be no additional incentives for Proceedings of paper presentations.
2. For Papers (oral/poster) having the names of the faculty members but presented by students/scholars in National/International conferences/symposia, there will be NO incentives given to the faculty members.
3. Paper presented in International conference should be of high standard worth publication in reputed International journals. For paper presentation (physical/OFFLINE mode) in International conference, 50 % of the claimed amount will be released on demand after attending the conference and the rest 50 % would be released after providing a proof of publication of the work (presented in the conference) in peer reviewed UGC-CARE listed journal (Group-II).

***Incentives for items (Nos. 8.4 to 8.7) shall be payable for the current and the previous ONE year only.**

8.8 Membership of Professional Bodies: An amount equal to 50 % of the Membership Fee to a maximum of Rs. 5000/- will be payable to the applicant. Membership of ONLY ONE professional body per year will be admissible by an applicant.

8.9 Honoring the Award Winner: A token amount of honorarium shall be paid to the award winner as follows:

- i) International Award given by a reputed/recognized body :Rs. 10,000/-
- ii) National Award given by a Government body : Rs. 6000/-
- iii) National Award given by a Non-government body : Rs. 3000/-

(The final decision of honoring the awardees rests with the Management/committee constituted by the management)

8.10 Research Excellence Awards: In order to catalyze research and related activities in the university, different categories of research excellence awards are granted annually to the faculty members as given below:

- i) **Best Researcher:** The award is given to the faculty member acquiring the highest points in research publications and granted patents in the given calendar year. There shall be one award per calendar year for the whole university.

The Award: Rs. 20,000/-, a Trophy and a Citation

- ii) **Overall Best Performer:** Two numbers of Research Excellence Awards (Overall Best Performer) for the faculty members per listed Faculty/Faculty group per calendar year shall be conferred to the best performers on the basis of publications of research articles, review articles, book chapters, books, filed patents, granted patents, applied projects, granted projects (extramural only), and consultancy undertaken (in terms of revenue generated) in a calendar year).

The Award: Rs. 20,000/-, a Trophy and a Citation

- iii) **Highest Impact Factor Publication Award:** This award shall be conferred to the faculty member having the highest cumulative IF in the calendar year in publications published in SCI/SCOPUS listed journals. There shall be only one award for the whole University in a calendar year.

The Award: Rs. 10,000/- and a Citation.

- iv) **Highest Citation Award:** This award shall be conferred to the faculty member having the highest citations in the calendar year for the publications published in SCI/SCOPUS listed journals. There shall be only one award for the whole University

The Award: Rs. 10,000/- and a Citation.

(Applicants can apply for the awards on Proforma-I. Applicants may also be asked for presentation in front of the expert committee).

8.11 Research Excellence-Promotion Awards: Two numbers of Research Excellence-Promotion Awards for the scholars/students per listed Faculty/Faculty group per

calendar year shall be conferred to outstanding researchers in the University as given below.

The Award: Rs. 10,000/- and a Citation.

(Applicants can apply for the awards on Proforma-II. Applicants may also be asked for presentation in front of the expert committee).

By Order


Registrar

To,

- 1) Deans of Faculties
- 2) Dean, Doctoral Studies & Research
- 3) Dean, Students' Welfare
- 4) The Controller of Examinations
- 5) Deputy Registrar (Academic)/ Deputy Registrar (Examination)
- 6) Principals/ Directors/HOIs of Colleges/ Institutes
- 7) Chief Librarian
- 8) MIS Coordinator
- 9) Director, CDC/EDC/IRC/ISAC/T&P/AFMC/CR4D/Marketing/ CEP / EDP/ Alumni Association/ Internship Cell/ Visiting Parents Cell/ CHRD
- 10) Head, Systems Support Cell/Students' Section/Transport Section/Purchase
- 11) Central Administration
- 12) Accounts Section
- 13) Executive/Academic Directors

Copy to,

Campus Director

Submitted to,

- 1) The President
- 2) The Vice President
- 3) Dr.Parul Patel, Member, Governing Body and Chairperson, Admissions Committee
- 4) Dr.Geetika Madan Patel, Member, Governing Body and Medical Director
- 5) Dr.Komal Patel, Member, Governing Body and Director
- 6) The Provost
- 7) The Pro Vice Chancellor

PARUL UNIVERSITY

R/Notification-618/2020-21

Office of the Registrar
February 8, 2021

NOTIFICATION

Sub: Research & Development Policy of the University

Ref: (i) No.R/Notification-303/ 2020-21 dated 26.12.2018

(ii) Proposal by the Director (R & D), CR4D

(iii) Approval of the Medical Director

The Research & Development Policy of the University was notified vide ref.(i). The Director (R &D), CR4D has suggested changes in the Research & Development Policy notified by the university earlier. The revised Research & Development Policy of the university is enclosed in the Annexure.

This comes into effect immediately.

This is subject to the approval of the Academic Council and the Governing Body.

By Order

Registrar

To,

- 1) Deans of Faculties
- 2) Principals/ Directors of Colleges/ Institutes
- 3) Dean, Doctoral Studies & Research
- 4) Dean, Student Welfare
- 5) The Controller of Examinations
- 6) Director, CDC / EDC / CEP / EDP / CEC / Teachers' Training / Marketing / CR4D
- 7) Executive/ Academic Directors

Submitted to,

- 1) The President
- 2) The Vice President
- 3) Dr.Parul Patel, Member, Governing Body and Chairperson, Admissions Committee
- 4) Dr.Geetika Madan Patel, Member, Governing Body and Medical Director
- 5) Dr.Komal Patel, Member, Governing Body and Director
- 6) The Provost

ANNEXURE
RESEARCH & DEVELOPMENT POLICY OF
PARUL UNIVERSITY

1.0 PREAMBLE

Universities are the fountainheads of knowledge creation and dissemination. This includes innovations and inventions of new technologies, new products and newer implementation/interpretation of the existing knowledge. Knowledge is the foundation of all the disciplines. Parul group of Institutions, run by Parul Arogya Seva Mandal Trust, was bestowed with the University status by the Government of Gujarat under Gujarat Private University Act 2009, 2015, named **PARUL UNIVERSITY**. The University offers courses in multiple disciplines and has a huge pool of human resource of students and highly skilled teaching faculty. The post-graduate (PG) and Ph.D. degree programs in applied sciences, engineering and technology, pharmaceutical sciences, health sciences, agriculture sciences, social sciences and humanities, and management are offered to the students in the University. Intellectual capabilities of this pool of skilled faculty and highly motivated students need to be suitably channelized so that the outcome is not only in the form of a bunch of degree certificate holders, rather their intellectual power and efforts are utilized in creation of new technologies and inventions/innovations during their study period, which would be helpful in establishing the country as a self-reliant and developed nation. Parul University (henceforth called University) offers an ecosystem conducive for performing quality research in the stated subject areas. Being a self-financed university, it has financial constraints in fulfilling all research needs, hence it encourages its researchers for attracting research funding from external sources; but wherever necessary, it has the commitment to support the researchers financially in their R & D endeavors. This R & D policy is a guideline and not an exhaustive document of “Dos” and “Don’ts” for the researchers to inculcate the principles of honesty, integrity, trust, accountability, responsibility, openness and co-operation among the faculty members and the students giving them full academic freedom. But, it must be remembered that the University platform shall never be used against the universally accepted National and International laws and ethics or against National policies, security and National interests.

2.0 THE OBJECTIVE

Followings are the objectives of this policy:

- The primary aim of this policy document is to cultivate, promote and strengthen research and scholarly activities among the faculty and the students of the University, and to enhance the quality of R & D activity undertaken by them.
- To create awareness about the processes/procedures, guidelines to be adopted by the researchers, and incentives/awards offered to the researchers of the University.
- To encourage the faculty members to utilize their expertise/skills for extending their services to external agencies/industries for the benefit and growth of the industries and to generate revenue for the University to further strengthen R & D activities in the University.
- To streamline the R & D activities and bring transparency in the management of the same.
- To encourage the researchers to conduct their research in an exemplary manner adopting universally accepted ethics/norms and good research/scientific practices avoiding scientific misconduct.
- To make the University a research oriented university by developing scientific temperament among the researchers.
- To encourage the researchers to strive for protecting their research output by patenting/copyrights or other forms of IPR, as per the IPR policy of the University.
- To co-ordinate the R & D activities conducted in various institutes of the University.
- To provide an effective support system to facilitate R & D and scholarly activities in the University.
- To promote publication of the research output in peer reviewed journals of repute with high impact values.
- To promote quality research that could be patented and exploited for commercialization.

3.0 SCOPE OF THE POLICY

The policy is intended for all the academic, research and supporting staff (permanent or temporary), and students of Parul University engaged in teaching-learning and R & D activities. All the above stake holders are collectively termed as “researchers”, throughout the length of this text.

4.0 CENTRE OF RESEARCH FOR DEVELOPMENT (CR4D)

In order to enhance the R & D activities, CR4D has been incepted as a central coordinating department in the University. CR4D shall act as the custodian, and R & D promoting body in the University. CR4D shall engage in advisory and coordinating role for all the researchers in the University for proper management and execution of the R & D policy of the University in the following manner:

- All research proposals for extramural funding shall be routed through CR4D. CR4D advice shall be taken for improving the quality of the proposals and all research proposals shall be submitted to CR4D at least a week in advance of the last date of submission of the proposals to the funding agency.
- All intramural proposals should be submitted to CR4D for financial assistance in the prescribed format for necessary processing. CR4D shall follow the laid down procedure for processing of all such intramural proposals.
- All patent applications shall be processed by the inventors/researchers after obtaining necessary advice from CR4D office.
- All other proposals for financial assistance like proposals for travelling for paper presentation, invited expert talks, and incentives for publishing research papers, books/book chapters, for patent application filing and examination requests, or awards (Research excellence/promotion awards) should be addressed to CR4D. CR4D shall process all such applications as per the laid down procedures.
- CR4D shall maintain a record of all such activities on annual basis.

5.0 R & D PROGRAMS

5.1 Research at UG/PG level: There is a limited scope of research at UG level in most of the disciplines except for those disciplines which have ‘Project’ work in the final year of the UG programs. Project is normally a part of teaching-learning process for these students but sometimes an observation may lead to some new finding. However, PG courses in many disciplines have a project work for full two semesters (one year) wherein the students undertake R &D work. This project work need to be taken more seriously so that it can lead to some innovations/development of new technology, but at least should provide some quality publications. The University has a well defined policy on research paper publication resulting out of each dissertation, which shall be adhered to. Best PG dissertation awards are given to the selected candidates from individual faculties.

5.2 Ph.D. degree program: It is understood without saying that Ph.D. is a purely research oriented program. 'Research' can be defined in different ways but is nothing but unraveling the mystery of nature, creating new knowledge/technology or redefining the existing knowledge. It also includes the use of existing knowledge for the development of new devices, products, processes or improved materials. But it excludes standard routine activities like data collection, preparation of teaching materials, routine testing, or other professional activities devoid of basic tenets of research components. Research findings are always open to scrutiny or formal assessment by subject experts.

PU has a large pool of PG and Ph.D. scholars who need to channelize their energy and efforts by undertaking quality research work which should be applicable to the society and for nation building. Apart from the self-financed Ph.D. scholars, the University supports the Ph.D. degree seeking scholars financially by extending financial assistance falling under the following four categories:

- i) Ph.D. Scholarship/Fellowship is provided to some selected applicants registered in the University as full time research scholars.
- ii) JRF/SRF Fellowship on UGC pattern is provided to a limited number of fulltime Ph.D. registered candidates in the University who are NET/GATE/GPAT qualified.
- iii) The University teachers registered for Ph.D. in the University can avail intramural research project assistance on the basis of merit for pursuing their Ph.D. degree programs.
- iv) Ph.D. scholars are provided financial support to purchase chemicals/glassware/ small equipments, testing/analysis charges etc. for their research work.
- v) Fee-waiver scheme (for a limited number) is available to faculty members of Parul University who are registered for their Ph.D. programme in the PU.

Best Ph.D. thesis award of the year is given to the selected candidates every year.

5.3 Post-doctoral Fellowship program: A limited number of post-doctoral fellowships are available in the University on merit basis. Teachers of the University holding Ph.D. degree can avail this facility wherein their teaching load shall be reduced substantially to give them more time for engaging themselves in R& D activities.

5.4 Research by Faculty members: Faculty members are supposed to involve themselves in R & D activities along with their normal academic and administrative duties. Faculty members are encouraged to protect the intellectual property generated by their R & D activities undertaken in the University using their intellectual capability by applying for

patenting of their innovations. They should also try to disseminate their research findings by publishing in peer reviewed journals of high repute and by presenting their work in National/International conferences. Faculty members are also encouraged to upgrade their knowledge by attending QIPs/SDPs or workshops. Faculty members are encouraged to share their expertise in delivering invited expert lectures on different platforms in and outside the University.

For encouraging the faculty for R & D activities, faculty members have the options for applying for the following research schemes:

- i) **Extramural projects:** Due to the constraints of financial resources, the University can fund research proposals in a limited manner. It is expected that faculty members would strive for research funding from extramural sources by applying to various government funding agencies like MHRD, AICTE, UGC, DST, DBT, ICMR, CSIR, AYUSH, DAE, GUJCOST and GSBTM or private funding agencies/International funding agencies. Incentives are given to faculty members for bringing projects from externally funding agencies.
- ii) **Consultancy:** Faculty members are encouraged to undertake consultancy in order to harness their expertise and generate revenue for themselves and for the University. The revenue so generated would be used for strengthening of R & D infrastructure in the University. Consultancy rules as stated in IPR Policy of the University would be applicable in extending such services and sharing of the revenue shall be as stated below: The revenue generated by consultancy will be shared in the ratio of 70: 30 (i.e. 70% of the revenue goes to the faculty member and 30% to Parul University) for the 'X' amount. For the next 'X' amount, the ratio will be 50:50 and for further amounts beyond '2X' the ratio will be 30:70 for the faculty member and Parul University respectively. The amount 'X' will be decided mutually between the faculty member and Parul University. If the amount is not decided mutually, the 'X' amount will be Rs. Fifty lakhs.
- iii) **Intramural funding:** In order to give impetus to R & D activities of the faculty members, intramural funding shall be extended to faculty members on the basis of the merit of the research proposal in case the extramural funding is not materializing/available to such faculty members (both non-Ph.D. and Ph.D. degree holders).

Faculty members can apply for intramural funding to CR4D in the prescribed format. Applicants shall be called for presentation in CR4D and may be asked to modify the proposal in light of the comments made by the expert committee. Amount of Funding

would be decided on the basis of merit of the proposal after scrutiny. Interdisciplinary research projects would be given weightage/preference for intramural funding.

iv) Research Associateship/Post-doctoral Fellowship: Research associateship is extended to a limited number of faculty members possessing Ph.D. degree for a period of one year which can be extended for one more year, if the progress is found satisfactory by the project evaluating committee. Teaching/administrative load of such selected candidate shall be reduced in order to allow them to devote more time to research activities and financial incentive is also provided.

6.0 RECOGNIZING AND SHOWCASING THE R & D OUTPUT OF THE FACULTY MEMBERS

6.1 Publication in journals: Faculty members are encouraged to publish their research work in reputed International/National journals with high impact factors (SCI). Preference shall be given to publication of research articles in journals publishing the articles free of cost.

6.2 IPR protection: If the research work has potential for industrial application then the faculty members shall not disclose their findings on any public platform by publishing in journals or by presenting the work in conferences, public display or in any other manner, before filing a patent application/other forms of IPR protection.

6.3 Writing of books: Faculty members are also encouraged to disseminate their knowledge/expertise by writing books or book chapters in edited books, and publishing them with publishers of repute.

6.4 Research excellence/promotion awards: The University has instituted Research Excellence Awards and Research Promotion Awards for the faculty and the students respectively, for recognizing and honoring good researchers in the University. The awards shall be given away every year (**calendar**).

6.5 Expert lecture delivering/attending training programs/paper presentation: In order to showcase and disseminate their expertise the faculty members are encouraged to deliver invited expert lectures in and outside the University and present their research work in conferences. Faculty members are also encouraged to upgrade and refine their professional knowledge and skills by attending QIPs/SDPs/workshops organized by other institutions.

7.0 MODE OF CONDUCTING AND COMMUNICATING R & D ACTIVITY

7.1 Researchers' responsibilities: The researchers are free to choose the area of their research but it is advised to take up those research problems which are of national interests and

priorities in specific thrust areas. The faculty members shall register Ph.D. scholars as per the UGC guidelines. The experimental methods and techniques adopted by the researchers shall not violate the established professional ethics in any way pertaining to the safety, privacy, health and personal rights of the researcher himself/herself, human subjects under study or laboratory animals. The researchers shall carry out the research in a transparent, socially responsible and ethical manner and shall not indulge in research/scientific misconduct. The researchers shall perform and report research in an honest and ethical manner maintaining the basic principles of good research practices. They shall maintain day-to-day records of their findings and raw data, and shall be open to internal/external scrutiny of their research findings. The researchers shall always give their correct affiliation (i.e. Parul University) in all of their publications, patents, books, book chapters and reports. Researchers are expected to carry out research in a manner to avoid conflict of interest between one's professional obligations to the University and one's personal interests or the interests of the funding agency. The researchers shall safeguard, maintain and use the equipments/instruments properly to increase their life span so that these facilities could be used by a wide spectrum of researchers. The researchers shall adopt all the laid down university procedures for the procurement of equipments/instruments or other consumable items. Necessary approvals from the competent statutory/regulatory bodies shall be obtained in case of research involving laboratory animals or human subjects. The faculty members shall be responsible for maintaining records (financial, research related or otherwise) and submitting the utilizing certificates of the government/private funded research projects.

The researchers are expected to create and maintain a cordial environment of mutual trust and co-operation in the working place so that an open exchange of ideas takes place among the researchers. Faculty members supervising PG/Ph.D. scholars shall be responsible for the followings:

- For supervising and training of the students for the proper conduct of experimental work, recording, processing, interpreting the results, publication of the findings and proper storage of the research records and other research materials (i.e. representative samples etc).
- For advising the students of their obligations in respect of academic integrity and ethical conduct & reporting of research work.
- For maintaining confidentiality and secrecy of their R & D activity.

7.2 Collaborative research: The University strives to provide a research-conducive environment and adequate research facilities but it may not be possible to provide each and everything for undertaking R & D activity in a particular area of research. In such cases the faculty members are encouraged to undertake collaborative research programs wherein the expertise/research facilities of other institutions can be utilized to complete the research project. In such cases due recognition can be given to the collaborating institutions as per the established norms without compromising the interests of the University.

7.3 Industrial/sponsored research: For the overall benefit and upliftment of the society, universities act as the hub of innovations, and such innovations are realized into useful products in the industries. So, industry-academia interaction is of utmost importance for the nation to traverse the path of industrialization.

The University encourages its faculty members to entertain industry-sponsored research projects. Financial support shall come from the industry and human resource shall be of PU for such projects. Research facilities of both, PU as well as of the industry can be used for fulfilling the objectives of the program. Researchers involved in such projects shall maintain utmost secrecy and confidentiality in disclosing the research findings under such projects to any third party. Suitable MOUs can be signed with the industry partner in this regard. In the cases of patenting or publications of the research findings, interest of PU shall be suitably safeguarded. Onus of this responsibility lies with the PI of the project in the University.

7.4 Research planning and designing of experiments: It is to be understood that planning and designing of research activity cannot be the same in all the disciplines, but an overall rationalization can be done for such an activity. Aims and objectives to be achieved out of the planned research must be well defined and crystal clear. The ways and means of achieving the listed objectives should be robust and suitably validated. In case the defined ways and means fail to achieve the laid down aims, a contingency plan or an alternative route of achieving the listed aims and objectives should be explored. While designing a research project, the following points may be taken into consideration:

- The aims and objectives of the planned research need to be properly stated and clearly mentioned.
- Background of the project should be discussed. What is the existing prior art in the specified area of the project? Whether the project is going to add to the existing knowledge or there is no existing prior art in the specified area of the project, and what

novelty the researchers want to achieve, and why? All these questions should be addressed.

- How the outcome of the project is benefitting the society as a whole?
- The step-wise methodology to be adopted to achieve the laid down aims and objectives should be listed and defined. In case the given methodology fails, what are the alternative routes of achieving the laid down goals?
- Whether the required skills/facilities are available in-house with the research team or some sort of collaboration/outsourcing is needed?
- Experiments should be designed having suitable controls, and suitable statistical methods should be adopted in designing of experiments.
- Ways and means of gathering, analyzing and interpreting the data should be identified.
- Research facilities and instruments/equipments required for performing the research work should be identified and listed.
- Whether the required resources are available for executing the research project, if not, how would these be compensated? Whether some financial help is sought and how much and for what particular purposes? All such questions should be addressed.
- What is the time frame of completing the research project? Step-wise listing should be made on how the research work would proceed in the given time frame.

7.5 Research involving Human subjects: Ethical issues are involved in research involving human subjects. The University gives due importance to ethical issues involving human beings and due respect to Indian traditions and ethics. Research involving human subjects including clinical trials shall be conducted by suitably qualified researchers only, and be approved by an appropriately licensed Institutional Ethics Committee.

Researchers in social sciences/humanities working on projects involving human subjects should be aware about applicable appropriate laws of the land. The primary responsibility in this respect lies on the PI.

7.6 Research involving laboratory animals: Animals are frequently used in research involving drugs and pharmaceuticals. While using laboratory animals for such projects, the principle of '3Rs' i.e. "reduction, refinement and replacement" shall be practiced. Such research shall be conducted by suitably qualified individuals after obtaining necessary approval from IAEC, duly recognized by CPCSEA, constituted under 'The prevention of cruelty to animals Act 1960' by the Ministry of Environment and Forests, Government of India.

Pharmacy Council of India directive of 2013 shall be obeyed to replace animal experimentation in D. Pharmacy and B. Pharmacy courses with software-based experimental work.

7.7 Safety aspects: Health and safety of the human subjects engaged in R & D activity is of utmost priority for the University. Adequate safety measures shall be adopted by the working personnel while executing research plans. A minimum of two researchers must remain present in the laboratory at any given point of time. Adequate fire fighting measures and safety kits/equipments shall be made available in the working places.

All necessary measures shall be adopted to protect the environment. No work is permitted to be done which could jeopardize the health and safety of the researchers, laboratory staff, other employees of the university, students, common public in general, and the environment.

Waste material shall be disposed off with due regard to human health and safety, and environment regulations. Biological waste shall be disposed off by incineration or by outsourcing to some external waste management agency dealing in disposal of biological waste.

7.8 Collection of research data and its storage: All primary research data must be accurately and clearly recorded in a date-wise manner in laboratory notebook, and kept secure in one's possession. Any subsequent correction (addition/deletion) in the data should be clearly identified in the primary raw data. The primary data shall be made available for verification and auditing if the need arises. Loss or non-production of primary data constitutes research misconduct.

For research work involving human subjects there are additional requirements concerning confidentiality and consent. Researchers shall comply with all legal and ethical requirements of the funding agency for collection, use and storage of such data.

Confidentiality shall be maintained for IPR related projects, especially for projects funded by a third party.

Primary electronic data shall be stored accurately on the central server in addition to storage at local level. All data (primary or secondary) must be secured in the form of soft copies by using suitable password system against piracy.

7.9 Retention and ownership of Research data: The onus of retaining and archiving research data shall lie with the PI. Research data must be retained for a minimum period of three years after publication of the research work or closing of the research project. In case of allegation of research misconduct, the data must be retained for a sufficient period of time

till such issues are fully settled. In case a PI wishes to leave the organization, he/she shall hand over the research data to the head of the institution (Principal/Director/Dean) for all such research projects which get executed in the institute. In case the research project is moved along with the PI to some other institution outside PU, the responsibility of maintaining and archiving the data shall reside with the PI. For students in various degree programs, the research data should be retained till the degree is awarded.

Ownership of the research data produced during the research projects carried out in the University shall remain with PU except for the externally funded projects.

7.10 Monitoring of research work: Research monitoring is an essential aspect to assess the progress of the research work and is akin to a 'Health check' exercise.

Monitoring of research work at PG/Ph.D. level shall be done as per the University regulations of the concerned course through DRC or other suitable mechanism as per the rules.

Research monitoring of the projects sanctioned under intramural funding and University Research Associateship/postdoctoral fellowship shall be done on six-monthly basis. Funding may be discontinued in such cases in which the progress is not found satisfactory.

Monitoring of research work conducted under the externally funded projects shall be done as per the guidelines of the funding agency.

7.11 Output of the R & D activity: Research output must not remain buried under the piles of dissertations/theses. It should be used for the welfare of the society in terms of new technologies/products, or for further advancement of science and technology.

R & D activity should lead to research output that has the potential to be exploited commercially. Such research work shall not be disclosed/discussed on any public platform before its protection under IPR. Consult the IPR policy of PU for such research output.

The University encourages its researchers to publish their research work in peer-reviewed journals of high impact factors and in National/International conferences. The research work disclosed on these platforms must be reported accurately and honestly following good scientific/research practices. The authors shall solely be responsible for the contents of the publications. Plagiarism in publications brings bad name to the researchers and to the University; hence all research publications shall be screened through plagiarism checking software (like iThenticate or Turnitin) to control/check plagiarism before communicating the research/review articles for publication. Researchers who have made significant contribution to the research work should be offered authorship, with full consideration given to exclude guest/honorary authors. Priority of the sequence of authors i.e. attribution,

can be given in the order of their contribution to the work, i.e. an author contributing more should be given a priority over the other contributing comparatively lesser. The PI can retain the status of corresponding author. Contributors who do not fit into the criteria of authorship should be duly acknowledged along with the name of the funding agency. No person who fulfills the criteria for authorship should be excluded from the submitted work. Researchers shall seek permission from an individual/publisher for the borrowed work used in the publication and must duly acknowledge the individual/publisher with proper attribution. All publications (research/review articles, paper/poster presentation etc) must reflect affiliation of the authors to Parul University.

In order to popularize the research and to bring the name of the University in lime light, the researchers are encouraged to present their research work in oral/poster presentation in various National/International conferences. All ethical norms applicable to research publications are applicable to paper presentation also.

Faculty members are encouraged to disseminate their knowledge by writing books/book chapters with publishers of National/International repute indicating their affiliation to PU.

All publications/presentations of the faculty members shall be made available to CR4D for the purpose of maintaining annual records of such activities.

7.12 Ethical values and legal implications: Parul University respects Indian traditions and professional ethics. It expects all its researchers to take into consideration the ethical and legal implications of their research and be aware of their responsibilities to their profession, PU, regulatory/sponsoring agencies, society and the environment.

7.13 Ethics and Good Research Practices: In order to conduct a responsible and quality R & D activity, the following six attributes are important to be imbibed by any researcher:

- **Honesty**: Research work should be honestly conducted, recorded and presented. Utmost attention should be given to present the data accurately, due acknowledgement be given to the contributors and one must not indulge in scientific misconduct.
- **Integrity**: Comply with all ethical and legal requirements applicable to one's field of interest, declare conflict of interest if any, and maintain confidentiality (especially in executing research projects funded by private agencies/industrial houses).
- **Accountability**: The researchers are accountable to the university, society and ultimately to the nation. They should ensure that they are complying with the terms & conditions/agreements of the regulatory bodies/funding agencies.

- **Trust:** Researchers should be trustworthy so that their research output is reproducible, and any funding agency (public or private) has no hesitation in relying on the expertise of the researchers.
- **Excellence:** The researchers shall strive to excel in the field of their interest and aim to produce research of the highest quality.
- **Cooperation:** Researchers are expected to cooperate with one another in terms of exchange of ideas, extending research facility to other researchers and providing necessary training & skills to one another (especially to the juniors and beginners), subject to due considerations to confidentiality agreements.

Theoretically, ethics determine ‘human values and standards’. Ethical norms are concerned with rightness or wrongness of the action. Professional ethics define code of conduct which may be formal or informal (unwritten). It needs to be understood that ethics and laws are not the same. Scientific ethics are concerned with standards of behavior that are specific to science, and it is not a well defined area. “Research ethics” is not static as it is an ongoing conversation. All practicing scientists need to be aware of scientific/research ethics. All the researchers are advised to adhere to **UGC notification (No. 1-25/2019(QIP) (Good Research Practices in HEIs, dated 28th Oct 2020)** regarding ‘Good Academic Research Practices (GARP). Research ethics are moral principles or a code of conduct which emphasizes the actions researchers should follow and the way(s) they should behave/act. It is important to adhere to ethical norms because:

- Norms promote the aims of research such as exploration of knowledge and truth, and avoidance of errors.
- Ethical standards promote the values that are essential to collaborative research such as trust, accountability, mutual respect and fairness.
- They help to ensure accountability to the society.
- They help to build public support for research.

As said earlier ‘research ethics’ is not a well defined area, but it constitutes the following main points:

- Honesty:** It means honestly conducting the procedures/methods, collecting data, reporting results, publication status in scientific communications, i.e. not indulging in scientific misconduct, and not deceiving colleagues, funding agencies or public at large.
- Objectivity:** It is about avoiding bias in experimental design, data analysis, data interpretation, paper review, personnel decisions and other aspects of research where objectivity is required.

- c) **Integrity:** It is about keeping promises and agreements, acting with sincerity and presenting data in full, precisely, fairly and frankly manner.
 - d) **Carefulness:** It is avoiding careless errors, examining one's own or ones peers' work carefully and critically and keeping good records of research activities.
 - e) **Openness:** It is about accepting open criticism and new ideas.
 - f) **Respect for intellectual property:** Give credit where credit is due to all contributors, honor patents, copyright and other forms of IPR, and never plagiarize.
 - g) **Confidentiality:** Maintain confidentiality of records for the sponsorr, and of the records of the patients/human volunteers.
 - h) **Responsibility:** Be responsible for the research outcome regarding:
 - Responsible publications: Publish in order to advance research, avoid duplicative and wasteful research.
 - Responsible mentoring: Help, educate, mentor and advise students regarding their research.
 - Social responsibility: Strive to promote social goodness and prevent/mitigate social harms.
 - i) **Respect colleagues in collaborative work:** Foster scientific collaboration by maintaining an atmosphere of openness, mutual assistance and trust.
 - j) **Nondiscrimination:** Avoid discrimination against colleagues/students/research subjects on the basis of gender, race, religion or any other factor not related to the scientific competence.
 - k) **Professionalism:** Maintain and improve professional competence and expertise through learning and upgrading your knowledge by keeping abreast of scientific developments in your field of interest.
 - l) **Human rights protection:** Respect human dignity, privacy and autonomy, maximize benefits and minimize harms.
 - m) **Animal care:** Give proper respect and care to animals. Do not conduct poorly designed/unnecessary animal experiments.
 - n) **Legality:** Know and obey relevant institutional laws and policies, and the laws of the land.
- 7.14 Avoiding scientific misconduct and unethical research practices:** Scientific misconduct means, fabrication, falsification, plagiarism or other practices that seriously

deviate from those that are commonly accepted within the scientific community for proposing, conducting, reporting or reviewing research.

- **Fabrication:** It is presentation of fabricated (concocted or cooked) data/results which have not been obtained in the manner or by the methods described in the report, to the research community.
- **Falsification:** It is manipulating research materials/equipment or processes, or changing or omitting data or results, such that the research is not accurately represented in the research records.
- **Plagiarism:** It is the appropriation of another person's ideas, processes, results or words without giving due credit. It is misappropriation of someone else's research plan, manuscript, article or text or parts thereof as one's own, i.e. illicit presentation or use of an original research idea, plan or finding, disclosed to him/her in confidence, under his/her own name.

Some other important unethical research practices are listed below:

i). While performing research work:

- Sabotaging someone's work
- Rigging an experiment so that you know how it will turn out to be.
- Making significant deviations from the research protocol approved by relevant committee/board.
- Conducting/writing a review of literature that fails to acknowledge the contributions of other scientists working in the field.
- Exposing students and staff to biological risks in violation of institution's bio-safety rules.
- Not reporting an adverse event in human research experimentation.
- Using a racial/discriminatory epithet in the laboratory.
- Wasting animals in research involving animal experimentation.
- Failing to keep good research records.
- Failing to maintain research data for a reasonable period of time for verification/external auditing.
- Deliberately overestimating/underestimating the clinical significance of a drug/NCE in order to obtain economic benefits.

ii). While publishing your research work:

- Submitting the same paper for publication in two different journals without disclosing to the Editors.
- Publishing the same paper or part of it in two different journals (i.e. self-plagiarism).
- Practicing gift/honorary authorship or ghost authorship (removing the name of a research contributor in the manuscript) for publication.
- Maximizing the number of publications by salami slicing (i.e. breaking up a piece of research work into large number of small papers) or tiling (i.e. publishing a sequence of substantially overlapping papers).
- Trimming outliers from the data without discussing the reasons.
- Using inappropriate statistical techniques in order to enhance the significance of your research.
- Misrepresentation of research finding, i.e. use of selective or fraudulent data to support a hypothesis or claim.
- Unrevealing conflicts of interest that could affect the interpretation of the findings.
- Failing to present data that contradict one's own previous research.

8.0 PROMOTING AND INCENTIVIZING RESEARCH

The faculty members are encouraged to undertake and execute research projects, file patents, publish their research outcome in good quality research journals and participate in paper presentations, QIP/FDPs/workshops and other similar activities. Different schemes/incentives* are made available for this purpose as mentioned below:

(*All schemes/Incentives/assistance are subject to changes from time to time and following due scrutiny by expert committee)

8.1 Extramural Research Project: Matching grant equal to 25% of the non-recurring budget shall be given to researchers fetching extramural research projects from external funding agencies (government or private) for the purchase of equipments/machinery in case there is a shortfall of funds for the purchase of the same. The matching grant can be enhanced if the need arises on case to case basis. Monetary incentives to the tune of 1% of the grant received in that financial year will be given to such faculty members phase-wise. Applicants can apply for matching grant and for incentives on Proforma A.

8.2 Intramural research project: In absence of extramural research funding, faculty members can apply for intramural research projects to the University, if they wish to pursue research

in their area of interest. Funding upto a maximum of Rs. 1,50,000/- for the whole project is extended to such desirous faculty. Teachers pursuing their Ph.D. programs from PU can also apply under this project. They may be assisted to the tune of 50% of their approved budget of the project. Faculty members availing fee concession and/or getting contingency grant from PU shall be ineligible for intramural research grant. Applicants can apply for intramural research grant on Proforma B.

8.3 Research Associateship: Research associateship/postdoctoral fellowship is offered to selected faculty members for a year (extendable by one more year), wherein the grantee shall have a stipend/salary of Rs. 40,000/- per month along with a contingency amount of Rs. One lac per annum. In order to have more time for R & D activity the teaching and/or administrative load of the candidate shall be reduced. Applicants can apply for this position on Proforma C.

8.4 Promoting Patent filing: Research involving industrial application is encouraged to be protected by patent filing. The full expenditure for patent filing shall be borne by the University. Apart from this, the following incentives* shall be offered to the inventors. Applicants can apply for this assistance on Proforma D.

- | | |
|---|--------------|
| i) Patent application filing with full specifications | : Rs. 2000/- |
| ii) Grant of patent | : Rs. 5000/- |

*The incentive shall be offered to the mentor (it may be distributed among other collaborating inventors).

8.5 Promoting research publication: Publication of research/review articles or letter to the Editor in peer reviewed journals is a recognized scale for measuring the outcome of R & D activity. Incentives are offered to the authors of publications as given below. Applicants can apply for this assistance on Proforma E.

- | | |
|--|--------------------------------------|
| i) UGC/NAAS listed journals | : Rs. 1000/- |
| ii) SCOPUS indexed/listed journals (without impact factor) | : Rs. 2000/- |
| iii) Web of Science/ SCOPUS/SCI, ESCI/PubMed Journals
having SCI impact factor), with impact factor less than 2.5 | : Rs. 3000/- |
| iv) Journals with SCI Impact Factor (IF) >2.5
(with every increase in IF of one, there would be
enhancement of Rs. 1000/- with a maximum of Rs. 10,000/-) | : From Rs. 5000/-
to Rs. 10,000/- |
| v) Additional Rs. 1000/- per research paper shall be given beyond publication of two research papers (this is applicable for the two research papers published in journals | |

listed in SCI/SCOPUS/Web of Science) in a year. For research papers in other journals, this augmentation shall not be done.

NOTE:

- ❖ The above given incentives (i to v) shall be applicable to research/review articles or letter to Editor as given below:

Research Articles : 100% of the above given amounts

Review Articles : 80% of the above given amounts

Letter to the Editor : 60% of the above given amounts

- ❖ No incentive shall be admissible for writing 'Book Review' in any journal/magazine.

8.6 Promoting publication of Books/book chapters: Incentives are offered to faculty members for writing books/book chapters with reputed publishers as given below.

[Applicants can apply for this assistance on Proforma F.](#)

- i) Book chapter published in book published by reputed Indian Publisher:
 - A Grade Publisher : Rs. 2500/-
 - B Grade Publisher : Rs. 2000/-
 - C Grade Publisher : Rs. 1000/-
- ii) Book chapter published in book published by International Publisher[¥]:
 - Category A : Rs. 4000/-
 - Category B : Rs. 3000/-
 - Category C : Rs. 1000/-
 - Category D : -Nil-
- iii) Book published by reputed Indian Publisher:
 - A Grade Publisher : Rs. 5000/-
 - B Grade Publisher : Rs. 4000/-
 - C Grade Publisher : Rs. 3000/-
- iv) Book published by International[¥] Publisher:
 - Category A : Rs. 10,000/-
 - Category B : Rs. 6000/-
 - Category C : Rs. 4000/-
 - Category D : -Nil-
- v) Publication of Policy matter Report/White paper in Government publications/reputed magazines (such as Economist, Political Weekly etc.) : Rs. 2500/-

NOTE: More than one book chapter in the same book by the same author(s) shall have the following distribution:

1. Two book chapters : Full amount (1) for the first chapter and Half (1/2) of the above mentioned amount for the second chapter.
2. Three book chapters : For the two chapters as given in point No. 1 and one third (1/3) of the above mentioned amount for the third book Chapter.
3. Four book chapters and more: The incentives shall be given using the formula $(1+1/2+1/3+1/4+\dots+1/n)$, but not exceeding the amount equal to the incentives given for a full book)

([¥]**International Publishers:** **Category A:** CRC Press (USA), Springer, Springer Nature, Elsevier, Academic Press, John Wiley & Sons, Wiley, Pergamon (USA), Pearson Education, Thomson Reuters, McGraw-Hill Education, Oxford University Press, Cambridge University Press, Prosveshcheniye Publishers, Shinchosha Publishing Co.; **Category B:** Lap/Lambert (Germany), Publishers of more than 10 years of standing in publishing; **Category C:** Publishers with less than 10 years but more than 3 years of standing; **Category D:** Publishers with less than 3 years of standing)

8.7 Promoting exposure of the faculty for presenting research papers (oral/poster)/delivery of expert talks/participating in STTPs/FDPs/QIPs/Workshops etc: Incentives shall be offered along with duty leaves for participation in all such activities as follows. Applicants can apply for assistance on Proforma G.

- i) Paper presentation (oral/poster) in International conference* : Actual expenses organized outside India upto a maximum of (This includes Registration charges and travel expenses) Rs. 35,000/-
(*A faculty member shall be eligible for such conferences ONCE in TWO years)
- ii) Paper presentation (oral) in International conference† : Actual expenses organized in India upto a maximum of (This includes Registration charges and travel expenses) Rs. 15,000/-
- iii) Paper presentation (poster) in International conference† : Actual expenses organized in India upto a maximum of (This includes Registration charges and travel expenses) Rs. 12,000/-
- iv) Paper presentation (oral) in National conference† : Actual expenses (This includes Registration charges and travel expenses) upto a maximum of Rs. 10,000/-

- | | | |
|--|--|--|
| v) | Paper presentation (poster) in National conference†
(This includes Registration charges and travel expenses) | : Actual expenses
upto a maximum of
Rs. 7,500/- |
| vi) | Paper presentation (oral/poster) in Regional/state level
conference†
(This includes Registration charges and travel expenses) | : Actual expenses
upto a maximum of
Rs. 5,000/- |
| [†A faculty member shall avail ANY ONE of (i to vi) in a year] | | |
| vii) | Participation of faculty members for expert talk/key note
Address in conference/seminar/Symposium organized by
National agencies/reputed universities/Institutions
(Duty leave only shall be granted for the event) | -Nil- |
| viii) | Participation of faculty members in STTPs/FDPs/QIP/
Workshops conducted by prominent/reputed institutions
(Only one faculty member from One Department of each
Institute nominated by the Dean shall be eligible for one
Programme in a year). | : Reimbursement of
full registration fee
or Rs.10,000/-
(whichever is lesser) |

NOTE: There shall be no additional incentives for Proceedings of paper presentations.

***Incentives for items (Nos. 8.4 to 8.7) shall be payable for the current and the previous years only.**

8.8 Research Excellence/Promotion Awards: Two numbers of Research Excellence Awards for the faculty members and two numbers of Research Promotion Awards for scholars/students per listed Faculty/Faculty group per calendar year shall be conferred to outstanding researchers in the University as given below. Applicants can apply for the awards on Proforma-I/II (Applicants may also be asked for presentation in front of the expert committee).

- | | | |
|-----|---------------------------|--|
| i) | Research Excellence Award | : Rs. 20,000/-, trophy, citation and a certificate |
| ii) | Research Promotion Award | : Rs. 10,000/-, citation and a certificate |

8.9 Promoting research among the Ph.D. scholars: The University shall offer fellowships/financial assistance to scholars who get registered in the University to pursue their Ph.D. degree program as follows:

- I. Junior Research Fellowship of Rs. 25,000/- per month on the UGC pattern is offered to scholars who qualify NET/GATE/GPAT or any other National

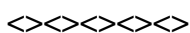
competitive examination recognized by UGC along with a contingency grant of Rs. One lac per annum for three years.

- II. A fellowship of Rs. 15,000/- per month on the pattern of SHODH scheme of Government of Gujarat for a period of two years is offered to the full time working scholars in order of merit along with a contingency grant of Rs. 20,000/- per annum for two years (subject to approval by Government of Gujarat).
- III. JRF fellowship of Rs. 15,000/- (for science, humanities and other faculties)/Rs.16,000/- (for Engineering & Technology, and Pharmacy), and SRF fellowship of Rs. 19,000/- (for science, humanities and other faculties)/Rs.21,000/- (for Engineering & Technology, and Pharmacy) per month shall be granted to selected applicants registered for Ph. D. as full time scholars in the University along with a contingency grant of Rs. 1 lac per annum for a period of three years.
- IV. Faculty members of PU pursuing their Ph.D. in PU shall have the following provisions for completing their Ph.D. degree programs:
 - (i) **Fee-waiver Scheme:** Half-fee concession* shall be given to 50 % of the total strength of the candidates getting registered in the Institute at that given point of time.
 - (ii) A research supervisor shall not have more than 50 % scholars under his/her supervision under this fee-waiver scheme at any given point of time however; additional scholar(s) under the fee-waiver scheme can be allotted to a research supervisor in order to comply with point No. (i).
 - (iii) Preference shall be given under the fee-waiver scheme to faculty members with a longer period of service in Parul University.
 - (iv) In case of same length of service in PU, age-wise senior faculty member shall have a preference.
 - (v) In case a faculty member quits PU without completing one's Ph.D. degree, rules as applicable to external Ph.D. students shall be applicable to such faculty members for the remaining period of the Ph.D. program.
 - (vi) A contingency amount upto Rs. one lakh per annum (for the purchase of chemicals, fine chemicals, biochemicals, biologics, lab animals, glassware, or small lab/research equipment/gadget, testing/analysis charges etc.) for a period not exceeding three years shall be provided to every faculty member registered for Ph.D. degree in Parul University.
 - (vii) Faculty members pursuing Ph.D. degree in PU availing fee concession and/or annual contingency from PU shall not be eligible to apply for Intra-mural research funding.

*Fee concession to the extent of 100% shall be at the discretion of the University Authorities/Management.

V. Financial assistance upto a maximum of Rs. 25,000/- for the whole term shall be provided to candidates registered in the University to meet the expenditure for the purchase of chemicals, glassware, raw material, instruments, charges for analysis/testing etc for conducting their research work. Sanction of this amount shall be in the purview of the Dean/Head of the Institute.

8.10 Promoting quality research among PG students: The University shall support selected PG students for financial assistance to the extent of Rs. 10,000/- for promoting quality research in their PG programs. Sanction of this amount shall be in the purview of the Dean/Head of the Institute.



APPENDIX

(Application Formats)

Proforma-A

Parul University
Application for Matching grant/Incentives*
for Extramural Research Project

A. Personal Details

1. Name of the Principal Investigator (PI):
2. Designation of PI:
3. Department:
4. Institute:
5. Faculty:
6. Contact details: M- _____ e-mail: _____
7. Give Bank details (Name of the Bank, Branch, IFSC, Type & Account Number, attaché a cancelled cheque or copy of first page of the passbook) for money transfer:

B. Project Details (Attach sanction letter):

1. Title of the Project:
2. Duration of the Project:
3. Name of the funding agency:
4. Total Budget sanctioned by the funding agency:
5. Grant received in the current financial year:
6. Non-recurring component of the budget sanctioned by the funding agency:
7. Matching grant/Incentives demanded with justification:

*Incentives shall be offered to the PI only.

Date:

(Signature)
Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-B

Parul University

Application for the Grant of Intramural Research Project

A. Personal Details

1. Name of the Principal Investigator (PI):
2. Designation of PI:
3. Qualification (mentioning the last degree obtained):
4. Department:
5. Institute:
6. Faculty:
7. Contact details: M- _____ e-mail: _____
8. Give Bank details (Name of the Bank, Branch, IFSC, Type & Account Number) for money transfer:
9. Name of Co-investigator (Co-I):
10. Designation of Co-I:
11. Department:
12. Institute:
13. Number of Research projects in hand with titles:

B. Project Details:

[The following details are to be given on separate sheet in the given order]

1. Title of the Project:
2. Duration of the Project:
3. Introduction/Background of the project including literature survey related to the proposed research work:
4. Aims & objective/hypothesis:
5. Plan of work:
6. Methodology to be adopted:
7. Graphical schedule (half-yearly) of work:
8. Budget:
 - A. Recurring budget (give breakup):
 - B. Non-recurring (give details):
 - C. Miscellaneous (specify):
 - D. Total budget (A+B+C)

Date:

(Signature)
Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-C

Parul University
Application for Research Associateship

A. Personal Details

1. Name of the Applicant:
2. Designation:
3. Qualification:
4. Teaching Experience:
5. Department:
6. Institute:
7. Faculty:
8. Contact details: M- _____ e-mail: _____

C. Project Details:

[The following details are to be given on separate sheet in the given order]

1. Title of the Project:
2. Duration of the Project:
3. Introduction/Background of the project including literature survey related to the proposed research work:
4. Aims & objective/hypothesis:
5. Plan of work:
6. Methodology to be adopted:
7. Graphical schedule (bi-monthly) of work:
8. Budget:
 - A. Recurring budget (give breakup):
 - B. Non-recurring (give details):
 - C. Miscellaneous (specify):
 - D. Total budget (A+B+C)

Date:

(Signature)
Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-D

Parul University
Request Application for Incentives*
(For Patent Filed/Granted)

A. Personal Details

1. Name of the Applicant:
2. Designation of PI:
3. Department:
4. Institute:
5. Faculty:
6. Contact details: M- _____ e-mail: _____

B. Patent Application Details (attach copy of Form 2):

1. Title of the Patent:
2. Application No.
3. Name of Inventors: i)
 ii)
 iii)
 iv)

4. Patent Application filed in the name of PU as Applicant (Yes/No):
5. Status of the Application (Filed/published/Patent Granted):
6. Give Bank details (Name of the Bank, Branch, IFSC, Type & Account Number, attaché a cancelled cheque or copy of first page of the passbook) for transfer of money:

*Incentives shall be offered to the main inventor only.

Date:

(Signature)
Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-E

Parul University
Request Application for Incentives*
(For Publishing Research Article)

A. Personal Details

1. Name of the Applicant:
2. Designation of PI:
3. Department:
4. Institute:
5. Faculty:
6. Contact details: M- _____ e-mail: _____
7. Give Bank details (Name of the Bank, Branch, IFSC, Type & Account Number, attaché a cancelled cheque or copy of first page of the passbook) for money transfer:

B. Details of the Published Research Article (attach a copy):

1. Title of the Article:
2. Name of Authors:
3. Details of the Journal (Name, Vol., page Nos., Year):
4. Whether National/International:
5. Journal website:
6. ISSN No.:
7. Indexing/Listing status of the Journal (UGC-CARE list, Web of Science, Scopus, Pubmed etc.):
8. Impact Factor (SCI):
9. Whether it is your First/Second/Third/Fourth article in the given calendar year:

*Incentives shall be offered only to one author (co-authors from PU may share the amount among themselves)

Date:

(Signature)
Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-F

Parul University
Request Application for Incentives*
(For Publishing Book Chapter/Book)

A. Personal Details

1. Name of the Applicant:
2. Designation of PI:
3. Department:
4. Institute:
5. Faculty:
6. Contact details: M- _____ e-mail: _____
7. Give Bank details (Name of the Bank, Branch, IFSC, Type & Account Number, attaché a cancelled cheque or copy of first page of the passbook) for money transfer:

B. Details of the Published Book Chapter/Book (attach a copy):

1. Title of the Book Chapter/Book:
 2. Name of Author(s):
 3. Title of the Book (for Book Chapter):
 4. Name of the Editor (for Book Chapter):
 5. Name of the Publisher:
 6. Whether National/International Publisher:
 7. Number of pages in the Book/Book Chapter):
 8. ISBN Number of the Book:
 9. Whether Textbook or Reference Book:
 10. Publisher website:
 11. Whether it is your First/Second/Third Chapter*/Book in the given calendar year:
- *1. Incentives for all book chapters in the same book are to be applied at one time in a single application, if you have more than one book chapter in the same book.
2. Joint authors from PU may share the incentives.

Date:

(Signature)
Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-G

Parul University Request Application for Incentives* (For Research Paper Presentation)

A. Personal Details

1. Name of the Applicant:
2. Designation of PI:
3. Department:
4. Institute:
5. Faculty:
6. Contact details: M- _____ e-mail: _____
7. Give Bank details (Name of the Bank, Branch, IFSC, Type & Account Number, attaché a cancelled cheque or copy of first page of the passbook) for money transfer:

B. Details of the Research Paper Presentation (attach relevant documents):

1. Title of the Paper:
2. Name of Authors:
3. Whether you were the presenting author? (Yes/No):
4. Whether Presentation is Oral/Poster:
5. Name of the Conference:
6. Name of Organizers:
7. Whether National/International:
8. Website of the event:
9. Dates of the conference and the date of your presentation:
10. Registration fee:
11. Whether your paper won a prize (Yes/No):
12. If Yes, state the type of prize (attach certificate):
13. Whether you have attended any another conference this year:

C. Travel Details (Attach relevant documents):

1. Place visited:
2. Whether travelled by Air/Train and Class:
3. Fare incurred:

*Incentives shall be offered only to the presenting author.

Date:

(Signature)
Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-I
Parul University
Faculty Research Excellence Awards

1. Name of the Applicant :
2. Institute :
3. Faculty :
4. Research contribution [Attach Copies of the Article(s)]
 - (i) a. Title of the article:
b. Name of Journal, Vol., Year:
c. Publisher:
d. Indexed in:
e. SCI -Thomson Reuters Impact factor:
f. Points*
 - (ii) (n): Give details (a-f) as above for each article.
 - (iii) Total Points:
5. Patents (Attach relevant documents/certificates)
 - A. Granted Patents
 - (i) a. Title:
b. Type (Indian/US/any other country):
c. Patent No. :
d. Points*
 - (ii)..... (n): Give details (a-d) as above.
 - (iii) Total Points:
 - B. Patents published/applied
 - (i) a. Title:
b. Type (Indian/US/any other country):
c. Patent Application No. :
d. Status (Published/under examination/contested):
e. Points*:
 - (ii)..... (n): Give details (a-e) as listed above.
 - (iii) Total Points:
6. Paper presentation in scientific conferences/invited lectures as resource person in seminar/conference/full paper in conference proceeding (Attach Copy of the certificates):
 - (i) a. Title of the paper/Invited talk/Keynote address:
b. Name and place of the conference/symposium:
c. Status (National/International):
d. Mode of Presentation [Oral/Poster]:
e. Date and time of presentation:
f. Whether the presentation won any prize (yes/no):

(If yes, attach certificate)

g. Points*:

(ii) (n): Give details (a-g) as above.

(iii) Total Points:

7. Research Projects (Attach relevant documents)

A. Research Projects applied

- (i)
 - a. Title of the project:
 - b. Name of the funding agency:
 - c. Total amount applied for:
 - d. Your status in the project:
 - e. Your status (whether PI or Co-PI):
 - f. Points*:

(ii)..... (n): Give details (a-f) as above.

(iii) Total Points:

B. Research Projects sanctioned

- (i)
 - a. Title of the project:
 - b. Name of the funding agency:
 - c. Total amount sanctioned:
 - d. Duration:
 - e. Your status in the project:
 - f. Your status (whether PI or Co-PI)
 - g. Points*:

(ii)..... (n): Give details (a-g) as above.

(iii) Total Points:

***Refer the Marking system to be used for self-assessment for Proforma-I & II**

It is certified that the information provided above by me is correct and true to the best of my knowledge and belief. I personally shall be responsible for any wrong information provided in this proforma.

Date:

(Signature)

Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-II

Parul University Students/Scholars Research Promotion Awards

1. Name of the Applicant :
2. Institute :
3. Faculty :
4. Research contribution [Attach Copies of the Article(s)]
 - (i)
 - a. Title of the article:
 - b. Name of Journal, Vol., Year:
 - c. Publisher:
 - d. Indexed in:
 - e. SCI -Thomson Reuters Impact factor:
 - f. Points*:
 - (ii) (n): Give details (a-f) as above for each article.
 - (iii) Total Points:
5. Patents (Attach relevant documents/certificates)
 - A. Granted Patents
 - (i)
 - a. Title:
 - b. Type (Indian/US/any other country):
 - c. Patent No. :
 - d. Points*:
 - (ii)..... (n): Give details (a-d) as above.
 - (iii) Total Points:
 - B. Patents published/applied
 - (i)
 - a. Title:
 - b. Type (Indian/US/any other country):
 - c. Patent Application No.:
 - d. Status (Published/under examination/contested):
 - e. Points*:
 - (ii)..... (n): Give details (a-e) as listed above.
 - (iii) Total Points:
6. Paper presentation in scientific conferences/invited lectures as resource person in seminar/conference/full paper in conference proceeding (Attach Copy of the certificates):
 - (i)
 - a. Title of the paper/Invited talk/Keynote address:
 - b. Name and place of the conference/symposium:
 - c. Status (National/International):
 - d. Mode of Presentation [Oral/Poster]:
 - e. Date and time of presentation:
 - f. Whether the presentation won any prize (yes/no):

(If yes, attach certificate)

g. Points*:

(ii) (n): Give details (a-g) as above.

(iii) Total Points:

7. Research Projects (Attach relevant documents)

A. Research Projects applied

- (ii) a. Title of the project:
- b. Name of the funding agency:
- c. Total amount applied for:
- d. Your status in the project:
- e. Your status (whether PI or Co-PI):
- f. Points*:

(ii)..... (n): Give details (a-f) as above.

(iii) Total Points:

B. Research Projects sanctioned

- (ii) a. Title of the project:
- b. Name of the funding agency:
- c. Total amount sanctioned:
- d. Duration:
- e. Your status in the project:
- f. Your status (whether PI or Co-PI)
- g. Points*:

(ii)..... (n): Give details (a-g) as above.

(iii) Total Points:

***Refer the Marking system to be used for self-assessment for Proforma-I & II**

It is certified that the information provided above by me is correct and true to the best of my knowledge and belief. I personally shall be responsible for any wrong information provided in this proforma.

Date:

(Signature)

Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Marking system to be used for self-assessment for Proforma-I & II:

A. Research Papers

- | | |
|---|-----------|
| (i) Research paper in peer-reviewed UGC listed Journals without an impact factor | 10 Points |
| (ii) Research paper in peer-reviewed Scopus listed Journals without an impact factor | 15 Points |
| (iii) Research paper in peer-reviewed UGC listed Journals with Impact Factor upto 1..... | 20 Points |
| (iv) Research paper in peer-reviewed UGC listed Journals with Impact Factor Between 1-2..... | 25 Points |
| (v) Research paper in peer-reviewed UGC listed Journals with Impact Factor Between 2-5..... | 30 Points |
| (vi) Research paper in peer-reviewed UGC listed Journals with Impact Factor Between 5-10..... | 35 Points |
| (vii) Research paper in peer-reviewed UGC listed Journals with Impact Factor > 10..... | 40 Points |
- (*Impact Factor will be calculated for journals listed in Scopus/ Web of science/Pubmed).

B. Patents

- | | |
|---|-----------|
| (i) Indian patent application filed/published | 10 points |
| (ii) International patent application published... | 15 points |
| (iii) Indian Patent Granted | 30 Points |
| (iv) International Patent Granted | 50 Points |
- (International means a country other than India)

C. Conference proceeding

- | | |
|--|-----------|
| (i) Publication of proceeding in National conference... | 10 Points |
| (ii) Publication of proceeding in International conference.... | 20 Points |
- (Points for Paper presentation will not be counted while considering the points for conference proceedings)**

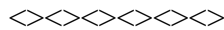
D. Paper presentation/Invited talk/keynote address

- | | |
|--|-----------|
| (i) Presentation in National conference... | 05 Points |
| (ii) Presentation in International conference... | 10 Points |

E. Projects

- | | |
|--|-----------|
| (i) Submitted projects to Indian funding agencies | |
| • Amount asked For (up to 5 lakh) ----- | 05 Points |
| • Amount asked For (5- 10 lakhs) ----- | 10 Points |
| • Amount asked For (10- 30 lakhs) ----- | 20 Points |
| • Amount asked For (30- 50 lakhs) ----- | 30 Points |
| • Amount asked For (Above 50 lakhs) ----- | 40 Points |

- (ii) Submitted projects to International funding agencies**
- Amount asked For (up to 50 lakh) ----- 30 Points
 - Amount asked For (> 50 lakhs) ----- 50 Points
- (iii) Sanctioned projects (Indian funding agencies)**
- Amount Sanctioned (up to 5 lakh) ----- 15 Points
 - Amount Sanctioned (5 - 10 lakh) ----- 20 Points
 - Amount Sanctioned (10- 30 lakh) ----- 30 Points
 - Amount Sanctioned (30 - 50 lakh) ----- 40 Points
 - Amount Sanctioned (Above 50 lakh) ----- 50 Points
- (iv) Sanctioned projects (International funding agencies)**
- Amount Sanctioned (up to 50 lakh) ----- 30 Points
 - Amount Sanctioned (> 50 lakhs) ----- 50 Points



PARUL UNIVERSITY

R/Notification-618/2020-21

Office of the Registrar
October 25, 2021

NOTIFICATION-CORRIGENDUM

Sub: Research & Development Policy of the University

Ref: (i) Notification of Even Number dated 8.2.2021

(ii) Proposal submitted by Director, CR4D

(iii) Approval of the Medical Director

In partial modification of the notification cited at ref.(i), the following changes are made

1. In Point Number 8.5- incentives offered to the authors of publications are revised as follows:

- | | |
|---|---------------------------|
| i) UGC/NAAS listed journals (Journals found qualified through UGC-CARE Protocol) (without IF) | : Rs. 1000/- |
| ii) Web of Science indexed/listed journals (without impact factor) | : Rs. 2000/- |
| iii) SCOPUS/ PubMed listed journals (without impact factor) | : Rs. 3000/- |
| iv) SCI indexed/listed journals (without impact factor) | : Rs. 4000/- |
| v) SCOPUS/SCI/ Web of Science/ ESCI/PubMed Journals having SCI impact factor), with impact factor upto 2.5 | : Rs. 5000/- |
| vi) Journals with SCI Impact Factor (IF) >2.5 (with every increase in IF of one, there would be enhancement of Rs. 1000/- with a maximum of Rs. 12,000/-) | : From Rs. 6000/- onwards |

2. In 8.5, under Note, after the sentence- “ no incentive shall be admissible for writing “ Review of Book” in any journal/ magazine- the following sentence shall be added:

“For incentives claimed by the faculty members for Review Articles of PG students, the amount will be reduced by 50% of the entitlement.

3. In 8.6, under “ Promoting publication of books/ book chapters”, after v), the following shall be added:

Publication of Book/Book chapter by LAP-Lambart or publisher of same status (National/International) shall be treated as follows:

- Book with pages more than 200 will be treated as a Book published by an Indian publisher (Category B).

- Book with pages less than 200 will be treated as a Book chapter published by an Indian publisher (Category B).
- Book with pages less than 100 will be treated as a review article equivalent to a journal without impact factor (UGC-CARE/Web of Science).

4. **In 8.6, in the NOTE section, the following shall be added as (4)**

The above Note will not be applicable to Book chapters published by International publishers (Category A).

5. **In 8.7., after (viii), the following may please be added in (ix)**

ix) Online Paper presentation in National/International conference:

An amount equal to 75 % of the Registration fee but not exceeding Rs. 10,000/- would be payable to the applicant with the submission of documentary evidence for presentation of the paper.

6. **In 8.7, in the Note Section, the following shall be added after (1)**

- For Papers (oral/poster) having the names of the faculty members but presented by students/scholars in National/International conferences/symposia, there will be NO incentives given to the faculty members.
- Paper presented in International conference should be of high standard worth publication in reputed International journals. For paper presentation (physical/OFFLINE mode) in International conference, 50 % of the claimed amount will be released on demand after attending the conference and the rest 50 % would be released after providing a proof of publication of the work (presented in the conference) in peer reviewed UGC-CARE listed journal.

7. **After 8.10, the following shall be added in 8.11 and in 8.12**

8.11 Membership of Professional bodies: An amount equal to 50 % of the Membership Fee to a maximum of Rs. 5000/- will be payable to the applicant. Membership of ONLY ONE professional body per year will be admissible by an applicant.

8.12 Honoring the Award winner: A token amount of honorarium shall be paid to the award winner as follows:

- i) International Award given by a reputed/recognized body : Rs. 10,000/-
- ii) National Award given by a Government body : Rs. 6000/-
- iii) National Award given by a Non-government body : Rs. 3000/-

(The final decision of honouring the awardees rests with the Management/committee constituted by the management)

All other items mentioned in the earlier notification remain unaltered.

By Order



Registrar

To,

- Deans of Faculties
- Principals/ Directors of Colleges/ Institutes
- Dean, Doctoral Studies & Research
- Dean, Student Welfare
- The Controller of Examinations
- Director, CDC / EDC / CEP / EDP / CEC / Teachers' Training / Marketing / CR4D
- Executive/ Academic Directors

Submitted to,

- The President
- The Vice President
- Dr.Parul Patel, Member, Governing Body and Chairperson, Admissions Committee
- Dr.Geetika Madan Patel, Member, Governing Body and Medical Director
- Dr.Komal Patel, Member, Governing Body and Director
- The Provost
- The Pro Vice Chancellor

PARUL UNIVERSITY

R/Notification-618/2020-21

Office of the Registrar
February 8, 2021

NOTIFICATION

Sub: Research & Development Policy of the University

Ref: (i) No.R/Notification-303/ 2020-21 dated 26.12.2018

(ii) Proposal by the Director (R & D), CR4D

(iii) Approval of the Medical Director

The Research & Development Policy of the University was notified vide ref.(i). The Director (R &D), CR4D has suggested changes in the Research & Development Policy notified by the university earlier. The revised Research & Development Policy of the university is enclosed in the Annexure.

This comes into effect immediately.

This is subject to the approval of the Academic Council and the Governing Body.

By Order

Registrar

To,

- 1) Deans of Faculties
- 2) Principals/ Directors of Colleges/ Institutes
- 3) Dean, Doctoral Studies & Research
- 4) Dean, Student Welfare
- 5) The Controller of Examinations
- 6) Director, CDC / EDC / CEP / EDP / CEC / Teachers' Training / Marketing / CR4D
- 7) Executive/ Academic Directors

Submitted to,

- 1) The President
- 2) The Vice President
- 3) Dr.Parul Patel, Member, Governing Body and Chairperson, Admissions Committee
- 4) Dr.Geetika Madan Patel, Member, Governing Body and Medical Director
- 5) Dr.Komal Patel, Member, Governing Body and Director
- 6) The Provost

ANNEXURE
RESEARCH & DEVELOPMENT POLICY OF
PARUL UNIVERSITY

1.0 PREAMBLE

Universities are the fountainheads of knowledge creation and dissemination. This includes innovations and inventions of new technologies, new products and newer implementation/interpretation of the existing knowledge. Knowledge is the foundation of all the disciplines. Parul group of Institutions, run by Parul Arogya Seva Mandal Trust, was bestowed with the University status by the Government of Gujarat under Gujarat Private University Act 2009, 2015, named **PARUL UNIVERSITY**. The University offers courses in multiple disciplines and has a huge pool of human resource of students and highly skilled teaching faculty. The post-graduate (PG) and Ph.D. degree programs in applied sciences, engineering and technology, pharmaceutical sciences, health sciences, agriculture sciences, social sciences and humanities, and management are offered to the students in the University. Intellectual capabilities of this pool of skilled faculty and highly motivated students need to be suitably channelized so that the outcome is not only in the form of a bunch of degree certificate holders, rather their intellectual power and efforts are utilized in creation of new technologies and inventions/innovations during their study period, which would be helpful in establishing the country as a self-reliant and developed nation. Parul University (henceforth called University) offers an ecosystem conducive for performing quality research in the stated subject areas. Being a self-financed university, it has financial constraints in fulfilling all research needs, hence it encourages its researchers for attracting research funding from external sources; but wherever necessary, it has the commitment to support the researchers financially in their R & D endeavors. This R & D policy is a guideline and not an exhaustive document of “Dos” and “Don’ts” for the researchers to inculcate the principles of honesty, integrity, trust, accountability, responsibility, openness and co-operation among the faculty members and the students giving them full academic freedom. But, it must be remembered that the University platform shall never be used against the universally accepted National and International laws and ethics or against National policies, security and National interests.

2.0 THE OBJECTIVE

Followings are the objectives of this policy:

- The primary aim of this policy document is to cultivate, promote and strengthen research and scholarly activities among the faculty and the students of the University, and to enhance the quality of R & D activity undertaken by them.
- To create awareness about the processes/procedures, guidelines to be adopted by the researchers, and incentives/awards offered to the researchers of the University.
- To encourage the faculty members to utilize their expertise/skills for extending their services to external agencies/industries for the benefit and growth of the industries and to generate revenue for the University to further strengthen R & D activities in the University.
- To streamline the R & D activities and bring transparency in the management of the same.
- To encourage the researchers to conduct their research in an exemplary manner adopting universally accepted ethics/norms and good research/scientific practices avoiding scientific misconduct.
- To make the University a research oriented university by developing scientific temperament among the researchers.
- To encourage the researchers to strive for protecting their research output by patenting/copyrights or other forms of IPR, as per the IPR policy of the University.
- To co-ordinate the R & D activities conducted in various institutes of the University.
- To provide an effective support system to facilitate R & D and scholarly activities in the University.
- To promote publication of the research output in peer reviewed journals of repute with high impact values.
- To promote quality research that could be patented and exploited for commercialization.

3.0 SCOPE OF THE POLICY

The policy is intended for all the academic, research and supporting staff (permanent or temporary), and students of Parul University engaged in teaching-learning and R & D activities. All the above stake holders are collectively termed as “researchers”, throughout the length of this text.

4.0 CENTRE OF RESEARCH FOR DEVELOPMENT (CR4D)

In order to enhance the R & D activities, CR4D has been incepted as a central coordinating department in the University. CR4D shall act as the custodian, and R & D promoting body in the University. CR4D shall engage in advisory and coordinating role for all the researchers in the University for proper management and execution of the R & D policy of the University in the following manner:

- All research proposals for extramural funding shall be routed through CR4D. CR4D advice shall be taken for improving the quality of the proposals and all research proposals shall be submitted to CR4D at least a week in advance of the last date of submission of the proposals to the funding agency.
- All intramural proposals should be submitted to CR4D for financial assistance in the prescribed format for necessary processing. CR4D shall follow the laid down procedure for processing of all such intramural proposals.
- All patent applications shall be processed by the inventors/researchers after obtaining necessary advice from CR4D office.
- All other proposals for financial assistance like proposals for travelling for paper presentation, invited expert talks, and incentives for publishing research papers, books/book chapters, for patent application filing and examination requests, or awards (Research excellence/promotion awards) should be addressed to CR4D. CR4D shall process all such applications as per the laid down procedures.
- CR4D shall maintain a record of all such activities on annual basis.

5.0 R & D PROGRAMS

5.1 Research at UG/PG level: There is a limited scope of research at UG level in most of the disciplines except for those disciplines which have 'Project' work in the final year of the UG programs. Project is normally a part of teaching-learning process for these students but sometimes an observation may lead to some new finding. However, PG courses in many disciplines have a project work for full two semesters (one year) wherein the students undertake R & D work. This project work need to be taken more seriously so that it can lead to some innovations/development of new technology, but at least should provide some quality publications. The University has a well defined policy on research paper publication resulting out of each dissertation, which shall be adhered to. Best PG dissertation awards are given to the selected candidates from individual faculties.

5.2 Ph.D. degree program: It is understood without saying that Ph.D. is a purely research oriented program. 'Research' can be defined in different ways but is nothing but unraveling the mystery of nature, creating new knowledge/technology or redefining the existing knowledge. It also includes the use of existing knowledge for the development of new devices, products, processes or improved materials. But it excludes standard routine activities like data collection, preparation of teaching materials, routine testing, or other professional activities devoid of basic tenets of research components. Research findings are always open to scrutiny or formal assessment by subject experts.

PU has a large pool of PG and Ph.D. scholars who need to channelize their energy and efforts by undertaking quality research work which should be applicable to the society and for nation building. Apart from the self-financed Ph.D. scholars, the University supports the Ph.D. degree seeking scholars financially by extending financial assistance falling under the following four categories:

- i) Ph.D. Scholarship/Fellowship is provided to some selected applicants registered in the University as full time research scholars.
- ii) JRF/SRF Fellowship on UGC pattern is provided to a limited number of fulltime Ph.D. registered candidates in the University who are NET/GATE/GPAT qualified.
- iii) The University teachers registered for Ph.D. in the University can avail intramural research project assistance on the basis of merit for pursuing their Ph.D. degree programs.
- iv) Ph.D. scholars are provided financial support to purchase chemicals/glassware/ small equipments, testing/analysis charges etc. for their research work.
- v) Fee-waiver scheme (for a limited number) is available to faculty members of Parul University who are registered for their Ph.D. programme in the PU.

Best Ph.D. thesis award of the year is given to the selected candidates every year.

5.3 Post-doctoral Fellowship program: A limited number of post-doctoral fellowships are available in the University on merit basis. Teachers of the University holding Ph.D. degree can avail this facility wherein their teaching load shall be reduced substantially to give them more time for engaging themselves in R& D activities.

5.4 Research by Faculty members: Faculty members are supposed to involve themselves in R & D activities along with their normal academic and administrative duties. Faculty members are encouraged to protect the intellectual property generated by their R & D activities undertaken in the University using their intellectual capability by applying for

patenting of their innovations. They should also try to disseminate their research findings by publishing in peer reviewed journals of high repute and by presenting their work in National/International conferences. Faculty members are also encouraged to upgrade their knowledge by attending QIPs/SDPs or workshops. Faculty members are encouraged to share their expertise in delivering invited expert lectures on different platforms in and outside the University.

For encouraging the faculty for R & D activities, faculty members have the options for applying for the following research schemes:

- i) **Extramural projects:** Due to the constraints of financial resources, the University can fund research proposals in a limited manner. It is expected that faculty members would strive for research funding from extramural sources by applying to various government funding agencies like MHRD, AICTE, UGC, DST, DBT, ICMR, CSIR, AYUSH, DAE, GUJCOST and GSBTM or private funding agencies/International funding agencies. Incentives are given to faculty members for bringing projects from externally funding agencies.
- ii) **Consultancy:** Faculty members are encouraged to undertake consultancy in order to harness their expertise and generate revenue for themselves and for the University. The revenue so generated would be used for strengthening of R & D infrastructure in the University. Consultancy rules as stated in IPR Policy of the University would be applicable in extending such services and sharing of the revenue shall be as stated below: The revenue generated by consultancy will be shared in the ratio of 70: 30 (i.e. 70% of the revenue goes to the faculty member and 30% to Parul University) for the 'X' amount. For the next 'X' amount, the ratio will be 50:50 and for further amounts beyond '2X' the ratio will be 30:70 for the faculty member and Parul University respectively. The amount 'X' will be decided mutually between the faculty member and Parul University. If the amount is not decided mutually, the 'X' amount will be Rs. Fifty lakhs.
- iii) **Intramural funding:** In order to give impetus to R & D activities of the faculty members, intramural funding shall be extended to faculty members on the basis of the merit of the research proposal in case the extramural funding is not materializing/available to such faculty members (both non-Ph.D. and Ph.D. degree holders).

Faculty members can apply for intramural funding to CR4D in the prescribed format. Applicants shall be called for presentation in CR4D and may be asked to modify the proposal in light of the comments made by the expert committee. Amount of Funding

would be decided on the basis of merit of the proposal after scrutiny. Interdisciplinary research projects would be given weightage/preference for intramural funding.

iv) Research Associateship/Post-doctoral Fellowship: Research associateship is extended to a limited number of faculty members possessing Ph.D. degree for a period of one year which can be extended for one more year, if the progress is found satisfactory by the project evaluating committee. Teaching/administrative load of such selected candidate shall be reduced in order to allow them to devote more time to research activities and financial incentive is also provided.

6.0 RECOGNIZING AND SHOWCASING THE R & D OUTPUT OF THE FACULTY MEMBERS

6.1 Publication in journals: Faculty members are encouraged to publish their research work in reputed International/National journals with high impact factors (SCI). Preference shall be given to publication of research articles in journals publishing the articles free of cost.

6.2 IPR protection: If the research work has potential for industrial application then the faculty members shall not disclose their findings on any public platform by publishing in journals or by presenting the work in conferences, public display or in any other manner, before filing a patent application/other forms of IPR protection.

6.3 Writing of books: Faculty members are also encouraged to disseminate their knowledge/expertise by writing books or book chapters in edited books, and publishing them with publishers of repute.

6.4 Research excellence/promotion awards: The University has instituted Research Excellence Awards and Research Promotion Awards for the faculty and the students respectively, for recognizing and honoring good researchers in the University. The awards shall be given away every year (**calendar**).

6.5 Expert lecture delivering/attending training programs/paper presentation: In order to showcase and disseminate their expertise the faculty members are encouraged to deliver invited expert lectures in and outside the University and present their research work in conferences. Faculty members are also encouraged to upgrade and refine their professional knowledge and skills by attending QIPs/SDPs/workshops organized by other institutions.

7.0 MODE OF CONDUCTING AND COMMUNICATING R & D ACTIVITY

7.1 Researchers' responsibilities: The researchers are free to choose the area of their research but it is advised to take up those research problems which are of national interests and

priorities in specific thrust areas. The faculty members shall register Ph.D. scholars as per the UGC guidelines. The experimental methods and techniques adopted by the researchers shall not violate the established professional ethics in any way pertaining to the safety, privacy, health and personal rights of the researcher himself/herself, human subjects under study or laboratory animals. The researchers shall carry out the research in a transparent, socially responsible and ethical manner and shall not indulge in research/scientific misconduct. The researchers shall perform and report research in an honest and ethical manner maintaining the basic principles of good research practices. They shall maintain day-to-day records of their findings and raw data, and shall be open to internal/external scrutiny of their research findings. The researchers shall always give their correct affiliation (i.e. Parul University) in all of their publications, patents, books, book chapters and reports. Researchers are expected to carry out research in a manner to avoid conflict of interest between one's professional obligations to the University and one's personal interests or the interests of the funding agency. The researchers shall safeguard, maintain and use the equipments/instruments properly to increase their life span so that these facilities could be used by a wide spectrum of researchers. The researchers shall adopt all the laid down university procedures for the procurement of equipments/instruments or other consumable items. Necessary approvals from the competent statutory/regulatory bodies shall be obtained in case of research involving laboratory animals or human subjects. The faculty members shall be responsible for maintaining records (financial, research related or otherwise) and submitting the utilizing certificates of the government/private funded research projects.

The researchers are expected to create and maintain a cordial environment of mutual trust and co-operation in the working place so that an open exchange of ideas takes place among the researchers. Faculty members supervising PG/Ph.D. scholars shall be responsible for the followings:

- For supervising and training of the students for the proper conduct of experimental work, recording, processing, interpreting the results, publication of the findings and proper storage of the research records and other research materials (i.e. representative samples etc).
- For advising the students of their obligations in respect of academic integrity and ethical conduct & reporting of research work.
- For maintaining confidentiality and secrecy of their R & D activity.

7.2 Collaborative research: The University strives to provide a research-conducive environment and adequate research facilities but it may not be possible to provide each and everything for undertaking R & D activity in a particular area of research. In such cases the faculty members are encouraged to undertake collaborative research programs wherein the expertise/research facilities of other institutions can be utilized to complete the research project. In such cases due recognition can be given to the collaborating institutions as per the established norms without compromising the interests of the University.

7.3 Industrial/sponsored research: For the overall benefit and upliftment of the society, universities act as the hub of innovations, and such innovations are realized into useful products in the industries. So, industry-academia interaction is of utmost importance for the nation to traverse the path of industrialization.

The University encourages its faculty members to entertain industry-sponsored research projects. Financial support shall come from the industry and human resource shall be of PU for such projects. Research facilities of both, PU as well as of the industry can be used for fulfilling the objectives of the program. Researchers involved in such projects shall maintain utmost secrecy and confidentiality in disclosing the research findings under such projects to any third party. Suitable MOUs can be signed with the industry partner in this regard. In the cases of patenting or publications of the research findings, interest of PU shall be suitably safeguarded. Onus of this responsibility lies with the PI of the project in the University.

7.4 Research planning and designing of experiments: It is to be understood that planning and designing of research activity cannot be the same in all the disciplines, but an overall rationalization can be done for such an activity. Aims and objectives to be achieved out of the planned research must be well defined and crystal clear. The ways and means of achieving the listed objectives should be robust and suitably validated. In case the defined ways and means fail to achieve the laid down aims, a contingency plan or an alternative route of achieving the listed aims and objectives should be explored. While designing a research project, the following points may be taken into consideration:

- The aims and objectives of the planned research need to be properly stated and clearly mentioned.
- Background of the project should be discussed. What is the existing prior art in the specified area of the project? Whether the project is going to add to the existing knowledge or there is no existing prior art in the specified area of the project, and what

novelty the researchers want to achieve, and why? All these questions should be addressed.

- How the outcome of the project is benefitting the society as a whole?
- The step-wise methodology to be adopted to achieve the laid down aims and objectives should be listed and defined. In case the given methodology fails, what are the alternative routes of achieving the laid down goals?
- Whether the required skills/facilities are available in-house with the research team or some sort of collaboration/outsourcing is needed?
- Experiments should be designed having suitable controls, and suitable statistical methods should be adopted in designing of experiments.
- Ways and means of gathering, analyzing and interpreting the data should be identified.
- Research facilities and instruments/equipments required for performing the research work should be identified and listed.
- Whether the required resources are available for executing the research project, if not, how would these be compensated? Whether some financial help is sought and how much and for what particular purposes? All such questions should be addressed.
- What is the time frame of completing the research project? Step-wise listing should be made on how the research work would proceed in the given time frame.

7.5 Research involving Human subjects: Ethical issues are involved in research involving human subjects. The University gives due importance to ethical issues involving human beings and due respect to Indian traditions and ethics. Research involving human subjects including clinical trials shall be conducted by suitably qualified researchers only, and be approved by an appropriately licensed Institutional Ethics Committee.

Researchers in social sciences/humanities working on projects involving human subjects should be aware about applicable appropriate laws of the land. The primary responsibility in this respect lies on the PI.

7.6 Research involving laboratory animals: Animals are frequently used in research involving drugs and pharmaceuticals. While using laboratory animals for such projects, the principle of '3Rs' i.e. "reduction, refinement and replacement" shall be practiced. Such research shall be conducted by suitably qualified individuals after obtaining necessary approval from IAEC, duly recognized by CPCSEA, constituted under 'The prevention of cruelty to animals Act 1960' by the Ministry of Environment and Forests, Government of India.

Pharmacy Council of India directive of 2013 shall be obeyed to replace animal experimentation in D. Pharmacy and B. Pharmacy courses with software-based experimental work.

7.7 Safety aspects: Health and safety of the human subjects engaged in R & D activity is of utmost priority for the University. Adequate safety measures shall be adopted by the working personnel while executing research plans. A minimum of two researchers must remain present in the laboratory at any given point of time. Adequate fire fighting measures and safety kits/equipments shall be made available in the working places.

All necessary measures shall be adopted to protect the environment. No work is permitted to be done which could jeopardize the health and safety of the researchers, laboratory staff, other employees of the university, students, common public in general, and the environment.

Waste material shall be disposed off with due regard to human health and safety, and environment regulations. Biological waste shall be disposed off by incineration or by outsourcing to some external waste management agency dealing in disposal of biological waste.

7.8 Collection of research data and its storage: All primary research data must be accurately and clearly recorded in a date-wise manner in laboratory notebook, and kept secure in one's possession. Any subsequent correction (addition/deletion) in the data should be clearly identified in the primary raw data. The primary data shall be made available for verification and auditing if the need arises. Loss or non-production of primary data constitutes research misconduct.

For research work involving human subjects there are additional requirements concerning confidentiality and consent. Researchers shall comply with all legal and ethical requirements of the funding agency for collection, use and storage of such data.

Confidentiality shall be maintained for IPR related projects, especially for projects funded by a third party.

Primary electronic data shall be stored accurately on the central server in addition to storage at local level. All data (primary or secondary) must be secured in the form of soft copies by using suitable password system against piracy.

7.9 Retention and ownership of Research data: The onus of retaining and archiving research data shall lie with the PI. Research data must be retained for a minimum period of three years after publication of the research work or closing of the research project. In case of allegation of research misconduct, the data must be retained for a sufficient period of time

till such issues are fully settled. In case a PI wishes to leave the organization, he/she shall hand over the research data to the head of the institution (Principal/Director/Dean) for all such research projects which get executed in the institute. In case the research project is moved along with the PI to some other institution outside PU, the responsibility of maintaining and archiving the data shall reside with the PI. For students in various degree programs, the research data should be retained till the degree is awarded.

Ownership of the research data produced during the research projects carried out in the University shall remain with PU except for the externally funded projects.

7.10 Monitoring of research work: Research monitoring is an essential aspect to assess the progress of the research work and is akin to a 'Health check' exercise.

Monitoring of research work at PG/Ph.D. level shall be done as per the University regulations of the concerned course through DRC or other suitable mechanism as per the rules.

Research monitoring of the projects sanctioned under intramural funding and University Research Associateship/postdoctoral fellowship shall be done on six-monthly basis. Funding may be discontinued in such cases in which the progress is not found satisfactory.

Monitoring of research work conducted under the externally funded projects shall be done as per the guidelines of the funding agency.

7.11 Output of the R & D activity: Research output must not remain buried under the piles of dissertations/theses. It should be used for the welfare of the society in terms of new technologies/products, or for further advancement of science and technology.

R & D activity should lead to research output that has the potential to be exploited commercially. Such research work shall not be disclosed/discussed on any public platform before its protection under IPR. Consult the IPR policy of PU for such research output.

The University encourages its researchers to publish their research work in peer-reviewed journals of high impact factors and in National/International conferences. The research work disclosed on these platforms must be reported accurately and honestly following good scientific/research practices. The authors shall solely be responsible for the contents of the publications. Plagiarism in publications brings bad name to the researchers and to the University; hence all research publications shall be screened through plagiarism checking software (like iThenticate or Turnitin) to control/check plagiarism before communicating the research/review articles for publication. Researchers who have made significant contribution to the research work should be offered authorship, with full consideration given to exclude guest/honorary authors. Priority of the sequence of authors i.e. attribution,

can be given in the order of their contribution to the work, i.e. an author contributing more should be given a priority over the other contributing comparatively lesser. The PI can retain the status of corresponding author. Contributors who do not fit into the criteria of authorship should be duly acknowledged along with the name of the funding agency. No person who fulfills the criteria for authorship should be excluded from the submitted work. Researchers shall seek permission from an individual/publisher for the borrowed work used in the publication and must duly acknowledge the individual/publisher with proper attribution. All publications (research/review articles, paper/poster presentation etc) must reflect affiliation of the authors to Parul University.

In order to popularize the research and to bring the name of the University in lime light, the researchers are encouraged to present their research work in oral/poster presentation in various National/International conferences. All ethical norms applicable to research publications are applicable to paper presentation also.

Faculty members are encouraged to disseminate their knowledge by writing books/book chapters with publishers of National/International repute indicating their affiliation to PU.

All publications/presentations of the faculty members shall be made available to CR4D for the purpose of maintaining annual records of such activities.

7.12 Ethical values and legal implications: Parul University respects Indian traditions and professional ethics. It expects all its researchers to take into consideration the ethical and legal implications of their research and be aware of their responsibilities to their profession, PU, regulatory/sponsoring agencies, society and the environment.

7.13 Ethics and Good Research Practices: In order to conduct a responsible and quality R & D activity, the following six attributes are important to be imbibed by any researcher:

- **Honesty**: Research work should be honestly conducted, recorded and presented. Utmost attention should be given to present the data accurately, due acknowledgement be given to the contributors and one must not indulge in scientific misconduct.
- **Integrity**: Comply with all ethical and legal requirements applicable to one's field of interest, declare conflict of interest if any, and maintain confidentiality (especially in executing research projects funded by private agencies/industrial houses).
- **Accountability**: The researchers are accountable to the university, society and ultimately to the nation. They should ensure that they are complying with the terms & conditions/agreements of the regulatory bodies/funding agencies.

- **Trust**: Researchers should be trustworthy so that their research output is reproducible, and any funding agency (public or private) has no hesitation in relying on the expertise of the researchers.
- **Excellence**: The researchers shall strive to excel in the field of their interest and aim to produce research of the highest quality.
- **Cooperation**: Researchers are expected to cooperate with one another in terms of exchange of ideas, extending research facility to other researchers and providing necessary training & skills to one another (especially to the juniors and beginners), subject to due considerations to confidentiality agreements.

Theoretically, ethics determine ‘human values and standards’. Ethical norms are concerned with rightness or wrongness of the action. Professional ethics define code of conduct which may be formal or informal (unwritten). It needs to be understood that ethics and laws are not the same. Scientific ethics are concerned with standards of behavior that are specific to science, and it is not a well defined area. “Research ethics” is not static as it is an ongoing conversation. All practicing scientists need to be aware of scientific/research ethics. All the researchers are advised to adhere to **UGC notification (No. 1-25/2019(QIP) (Good Research Practices in HEIs, dated 28th Oct 2020)** regarding ‘Good Academic Research Practices (GARP). Research ethics are moral principles or a code of conduct which emphasizes the actions researchers should follow and the way(s) they should behave/act. It is important to adhere to ethical norms because:

- Norms promote the aims of research such as exploration of knowledge and truth, and avoidance of errors.
- Ethical standards promote the values that are essential to collaborative research such as trust, accountability, mutual respect and fairness.
- They help to ensure accountability to the society.
- They help to build public support for research.

As said earlier ‘research ethics’ is not a well defined area, but it constitutes the following main points:

- Honesty**: It means honestly conducting the procedures/methods, collecting data, reporting results, publication status in scientific communications, i.e. not indulging in scientific misconduct, and not deceiving colleagues, funding agencies or public at large.
- Objectivity**: It is about avoiding bias in experimental design, data analysis, data interpretation, paper review, personnel decisions and other aspects of research where objectivity is required.

- c) **Integrity:** It is about keeping promises and agreements, acting with sincerity and presenting data in full, precisely, fairly and frankly manner.
 - d) **Carefulness:** It is avoiding careless errors, examining one's own or ones peers' work carefully and critically and keeping good records of research activities.
 - e) **Openness:** It is about accepting open criticism and new ideas.
 - f) **Respect for intellectual property:** Give credit where credit is due to all contributors, honor patents, copyright and other forms of IPR, and never plagiarize.
 - g) **Confidentiality:** Maintain confidentiality of records for the sponsorr, and of the records of the patients/human volunteers.
 - h) **Responsibility:** Be responsible for the research outcome regarding:
 - Responsible publications: Publish in order to advance research, avoid duplicative and wasteful research.
 - Responsible mentoring: Help, educate, mentor and advise students regarding their research.
 - Social responsibility: Strive to promote social goodness and prevent/mitigate social harms.
 - i) **Respect colleagues in collaborative work:** Foster scientific collaboration by maintaining an atmosphere of openness, mutual assistance and trust.
 - j) **Nondiscrimination:** Avoid discrimination against colleagues/students/research subjects on the basis of gender, race, religion or any other factor not related to the scientific competence.
 - k) **Professionalism:** Maintain and improve professional competence and expertise through learning and upgrading your knowledge by keeping abreast of scientific developments in your field of interest.
 - l) **Human rights protection:** Respect human dignity, privacy and autonomy, maximize benefits and minimize harms.
 - m) **Animal care:** Give proper respect and care to animals. Do not conduct poorly designed/unnecessary animal experiments.
 - n) **Legality:** Know and obey relevant institutional laws and policies, and the laws of the land.
- 7.14 Avoiding scientific misconduct and unethical research practices:** Scientific misconduct means, fabrication, falsification, plagiarism or other practices that seriously

deviate from those that are commonly accepted within the scientific community for proposing, conducting, reporting or reviewing research.

- **Fabrication:** It is presentation of fabricated (concocted or cooked) data/results which have not been obtained in the manner or by the methods described in the report, to the research community.
- **Falsification:** It is manipulating research materials/equipment or processes, or changing or omitting data or results, such that the research is not accurately represented in the research records.
- **Plagiarism:** It is the appropriation of another person's ideas, processes, results or words without giving due credit. It is misappropriation of someone else's research plan, manuscript, article or text or parts thereof as one's own, i.e. illicit presentation or use of an original research idea, plan or finding, disclosed to him/her in confidence, under his/her own name.

Some other important unethical research practices are listed below:

i). While performing research work:

- Sabotaging someone's work
- Rigging an experiment so that you know how it will turn out to be.
- Making significant deviations from the research protocol approved by relevant committee/board.
- Conducting/writing a review of literature that fails to acknowledge the contributions of other scientists working in the field.
- Exposing students and staff to biological risks in violation of institution's bio-safety rules.
- Not reporting an adverse event in human research experimentation.
- Using a racial/discriminatory epithet in the laboratory.
- Wasting animals in research involving animal experimentation.
- Failing to keep good research records.
- Failing to maintain research data for a reasonable period of time for verification/external auditing.
- Deliberately overestimating/underestimating the clinical significance of a drug/NCE in order to obtain economic benefits.

ii). While publishing your research work:

- Submitting the same paper for publication in two different journals without disclosing to the Editors.
- Publishing the same paper or part of it in two different journals (i.e. self-plagiarism).
- Practicing gift/honorary authorship or ghost authorship (removing the name of a research contributor in the manuscript) for publication.
- Maximizing the number of publications by salami slicing (i.e. breaking up a piece of research work into large number of small papers) or tiling (i.e. publishing a sequence of substantially overlapping papers).
- Trimming outliers from the data without discussing the reasons.
- Using inappropriate statistical techniques in order to enhance the significance of your research.
- Misrepresentation of research finding, i.e. use of selective or fraudulent data to support a hypothesis or claim.
- Unrevealing conflicts of interest that could affect the interpretation of the findings.
- Failing to present data that contradict one's own previous research.

8.0 PROMOTING AND INCENTIVIZING RESEARCH

The faculty members are encouraged to undertake and execute research projects, file patents, publish their research outcome in good quality research journals and participate in paper presentations, QIP/FDPs/workshops and other similar activities. Different schemes/incentives* are made available for this purpose as mentioned below:

(*All schemes/Incentives/assistance are subject to changes from time to time and following due scrutiny by expert committee)

8.1 Extramural Research Project: Matching grant equal to 25% of the non-recurring budget shall be given to researchers fetching extramural research projects from external funding agencies (government or private) for the purchase of equipments/machinery in case there is a shortfall of funds for the purchase of the same. The matching grant can be enhanced if the need arises on case to case basis. Monetary incentives to the tune of 1% of the grant received in that financial year will be given to such faculty members phase-wise. Applicants can apply for matching grant and for incentives on Proforma A.

8.2 Intramural research project: In absence of extramural research funding, faculty members can apply for intramural research projects to the University, if they wish to pursue research

in their area of interest. Funding upto a maximum of Rs. 1,50,000/- for the whole project is extended to such desirous faculty. Teachers pursuing their Ph.D. programs from PU can also apply under this project. They may be assisted to the tune of 50% of their approved budget of the project. Faculty members availing fee concession and/or getting contingency grant from PU shall be ineligible for intramural research grant. Applicants can apply for intramural research grant on Proforma B.

8.3 Research Associateship: Research associateship/postdoctoral fellowship is offered to selected faculty members for a year (extendable by one more year), wherein the grantee shall have a stipend/salary of Rs. 40,000/- per month along with a contingency amount of Rs. One lac per annum. In order to have more time for R & D activity the teaching and/or administrative load of the candidate shall be reduced. Applicants can apply for this position on Proforma C.

8.4 Promoting Patent filing: Research involving industrial application is encouraged to be protected by patent filing. The full expenditure for patent filing shall be borne by the University. Apart from this, the following incentives* shall be offered to the inventors. Applicants can apply for this assistance on Proforma D.

- i) Patent application filing with full specifications : Rs. 2000/-
- ii) Grant of patent : Rs. 5000/-

*The incentive shall be offered to the mentor (it may be distributed among other collaborating inventors).

8.5 Promoting research publication: Publication of research/review articles or letter to the Editor in peer reviewed journals is a recognized scale for measuring the outcome of R & D activity. Incentives are offered to the authors of publications as given below. Applicants can apply for this assistance on Proforma E.

- i) UGC/NAAS listed journals : Rs. 1000/-
- ii) SCOPUS indexed/listed journals (without impact factor) : Rs. 2000/-
- iii) Web of Science/ SCOPUS/SCI, ESCI/PubMed Journals : Rs. 3000/-
having SCI impact factor), with impact factor less than 2.5
- iv) Journals with SCI Impact Factor (IF) >2.5 : From Rs. 5000/-
(with every increase in IF of one, there would be to Rs. 10,000/-
enhancement of Rs. 1000/- with a maximum of Rs. 10,000/-)
- v) Additional Rs. 1000/- per research paper shall be given beyond publication of two research papers (this is applicable for the two research papers published in journals

listed in SCI/SCOPUS/Web of Science) in a year. For research papers in other journals, this augmentation shall not be done.

NOTE:

- ❖ The above given incentives (i to v) shall be applicable to research/review articles or letter to Editor as given below:

Research Articles : 100% of the above given amounts

Review Articles : 80% of the above given amounts

Letter to the Editor : 60% of the above given amounts

- ❖ No incentive shall be admissible for writing 'Book Review' in any journal/magazine.

8.6 Promoting publication of Books/book chapters: Incentives are offered to faculty members for writing books/book chapters with reputed publishers as given below.

[Applicants can apply for this assistance on Proforma F.](#)

- i) Book chapter published in book published by reputed Indian Publisher:
 - A Grade Publisher : Rs. 2500/-
 - B Grade Publisher : Rs. 2000/-
 - C Grade Publisher : Rs. 1000/-
- ii) Book chapter published in book published by International Publisher[¥]:
 - Category A : Rs. 4000/-
 - Category B : Rs. 3000/-
 - Category C : Rs. 1000/-
 - Category D : -Nil-
- iii) Book published by reputed Indian Publisher:
 - A Grade Publisher : Rs. 5000/-
 - B Grade Publisher : Rs. 4000/-
 - C Grade Publisher : Rs. 3000/-
- iv) Book published by International[¥] Publisher:
 - Category A : Rs. 10,000/-
 - Category B : Rs. 6000/-
 - Category C : Rs. 4000/-
 - Category D : -Nil-
- v) Publication of Policy matter Report/White paper in Government publications/reputed magazines (such as Economist, Political Weekly etc.) : Rs. 2500/-

NOTE: More than one book chapter in the same book by the same author(s) shall have the following distribution:

1. Two book chapters : Full amount (1) for the first chapter and Half (1/2) of the above mentioned amount for the second chapter.
2. Three book chapters : For the two chapters as given in point No. 1 and one third (1/3) of the above mentioned amount for the third book Chapter.
3. Four book chapters and more: The incentives shall be given using the formula $(1+1/2+1/3+1/4+\dots+1/n)$, but not exceeding the amount equal to the incentives given for a full book)

([¥]**International Publishers:** **Category A:** CRC Press (USA), Springer, Springer Nature, Elsevier, Academic Press, John Wiley & Sons, Wiley, Pergamon (USA), Pearson Education, Thomson Reuters, McGraw-Hill Education, Oxford University Press, Cambridge University Press, Prosveshcheniye Publishers, Shinchosha Publishing Co.; **Category B:** Lap/Lambert (Germany), Publishers of more than 10 years of standing in publishing; **Category C:** Publishers with less than 10 years but more than 3 years of standing; **Category D:** Publishers with less than 3 years of standing)

8.7 Promoting exposure of the faculty for presenting research papers (oral/poster)/delivery of expert talks/participating in STTPs/FDPs/QIPs/Workshops etc: Incentives shall be offered along with duty leaves for participation in all such activities as follows. Applicants can apply for assistance on Proforma G.

- i) Paper presentation (oral/poster) in International conference* : Actual expenses organized outside India upto a maximum of (This includes Registration charges and travel expenses) Rs. 35,000/-
(*A faculty member shall be eligible for such conferences ONCE in TWO years)
- ii) Paper presentation (oral) in International conference† : Actual expenses organized in India upto a maximum of (This includes Registration charges and travel expenses) Rs. 15,000/-
- iii) Paper presentation (poster) in International conference† : Actual expenses organized in India upto a maximum of (This includes Registration charges and travel expenses) Rs. 12,000/-
- iv) Paper presentation (oral) in National conference† : Actual expenses (This includes Registration charges and travel expenses) upto a maximum of Rs. 10,000/-

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|--|--|--|
| v) | Paper presentation (poster) in National conference†
(This includes Registration charges and travel expenses) | : Actual expenses
upto a maximum of
Rs. 7,500/- |
| vi) | Paper presentation (oral/poster) in Regional/state level
conference†
(This includes Registration charges and travel expenses) | : Actual expenses
upto a maximum of
Rs. 5,000/- |
| [†A faculty member shall avail ANY ONE of (i to vi) in a year] | | |
| vii) | Participation of faculty members for expert talk/key note
Address in conference/seminar/Symposium organized by
National agencies/reputed universities/Institutions
(Duty leave only shall be granted for the event) | -Nil- |
| viii) | Participation of faculty members in STTPs/FDPs/QIP/
Workshops conducted by prominent/reputed institutions
(Only one faculty member from One Department of each
Institute nominated by the Dean shall be eligible for one
Programme in a year). | : Reimbursement of
full registration fee
or Rs.10,000/-
(whichever is lesser) |

NOTE: There shall be no additional incentives for Proceedings of paper presentations.

***Incentives for items (Nos. 8.4 to 8.7) shall be payable for the current and the previous years only.**

8.8 Research Excellence/Promotion Awards: Two numbers of Research Excellence Awards for the faculty members and two numbers of Research Promotion Awards for scholars/students per listed Faculty/Faculty group per calendar year shall be conferred to outstanding researchers in the University as given below. Applicants can apply for the awards on Proforma-I/II (Applicants may also be asked for presentation in front of the expert committee).

- | | | |
|-----|---------------------------|--|
| i) | Research Excellence Award | : Rs. 20,000/-, trophy, citation and a certificate |
| ii) | Research Promotion Award | : Rs. 10,000/-, citation and a certificate |

8.9 Promoting research among the Ph.D. scholars: The University shall offer fellowships/financial assistance to scholars who get registered in the University to pursue their Ph.D. degree program as follows:

- I. Junior Research Fellowship of Rs. 25,000/- per month on the UGC pattern is offered to scholars who qualify NET/GATE/GPAT or any other National

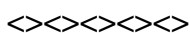
competitive examination recognized by UGC along with a contingency grant of Rs. One lac per annum for three years.

- II. A fellowship of Rs. 15,000/- per month on the pattern of SHODH scheme of Government of Gujarat for a period of two years is offered to the full time working scholars in order of merit along with a contingency grant of Rs. 20,000/- per annum for two years (subject to approval by Government of Gujarat).
- III. JRF fellowship of Rs. 15,000/- (for science, humanities and other faculties)/Rs.16,000/- (for Engineering & Technology, and Pharmacy), and SRF fellowship of Rs. 19,000/- (for science, humanities and other faculties)/Rs.21,000/- (for Engineering & Technology, and Pharmacy) per month shall be granted to selected applicants registered for Ph. D. as full time scholars in the University along with a contingency grant of Rs. 1 lac per annum for a period of three years.
- IV. Faculty members of PU pursuing their Ph.D. in PU shall have the following provisions for completing their Ph.D. degree programs:
 - (i) **Fee-waiver Scheme:** Half-fee concession* shall be given to 50 % of the total strength of the candidates getting registered in the Institute at that given point of time.
 - (ii) A research supervisor shall not have more than 50 % scholars under his/her supervision under this fee-waiver scheme at any given point of time however; additional scholar(s) under the fee-waiver scheme can be allotted to a research supervisor in order to comply with point No. (i).
 - (iii) Preference shall be given under the fee-waiver scheme to faculty members with a longer period of service in Parul University.
 - (iv) In case of same length of service in PU, age-wise senior faculty member shall have a preference.
 - (v) In case a faculty member quits PU without completing one's Ph.D. degree, rules as applicable to external Ph.D. students shall be applicable to such faculty members for the remaining period of the Ph.D. program.
 - (vi) A contingency amount upto Rs. one lakh per annum (for the purchase of chemicals, fine chemicals, biochemicals, biologics, lab animals, glassware, or small lab/research equipment/gadget, testing/analysis charges etc.) for a period not exceeding three years shall be provided to every faculty member registered for Ph.D. degree in Parul University.
 - (vii) Faculty members pursuing Ph.D. degree in PU availing fee concession and/or annual contingency from PU shall not be eligible to apply for Intra-mural research funding.

*Fee concession to the extent of 100% shall be at the discretion of the University Authorities/Management.

V. Financial assistance upto a maximum of Rs. 25,000/- for the whole term shall be provided to candidates registered in the University to meet the expenditure for the purchase of chemicals, glassware, raw material, instruments, charges for analysis/testing etc for conducting their research work. Sanction of this amount shall be in the purview of the Dean/Head of the Institute.

8.10 Promoting quality research among PG students: The University shall support selected PG students for financial assistance to the extent of Rs. 10,000/- for promoting quality research in their PG programs. Sanction of this amount shall be in the purview of the Dean/Head of the Institute.



APPENDIX

(Application Formats)

Proforma-A

Parul University
Application for Matching grant/Incentives*
for Extramural Research Project

A. Personal Details

1. Name of the Principal Investigator (PI):
2. Designation of PI:
3. Department:
4. Institute:
5. Faculty:
6. Contact details: M- _____ e-mail: _____
7. Give Bank details (Name of the Bank, Branch, IFSC, Type & Account Number, attaché a cancelled cheque or copy of first page of the passbook) for money transfer:

B. Project Details (Attach sanction letter):

1. Title of the Project:
2. Duration of the Project:
3. Name of the funding agency:
4. Total Budget sanctioned by the funding agency:
5. Grant received in the current financial year:
6. Non-recurring component of the budget sanctioned by the funding agency:
7. Matching grant/Incentives demanded with justification:

*Incentives shall be offered to the PI only.

Date:

(Signature)
Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-B

Parul University

Application for the Grant of Intramural Research Project

A. Personal Details

1. Name of the Principal Investigator (PI):
2. Designation of PI:
3. Qualification (mentioning the last degree obtained):
4. Department:
5. Institute:
6. Faculty:
7. Contact details: M- _____ e-mail: _____
8. Give Bank details (Name of the Bank, Branch, IFSC, Type & Account Number) for money transfer:
9. Name of Co-investigator (Co-I):
10. Designation of Co-I:
11. Department:
12. Institute:
13. Number of Research projects in hand with titles:

B. Project Details:

[The following details are to be given on separate sheet in the given order]

1. Title of the Project:
2. Duration of the Project:
3. Introduction/Background of the project including literature survey related to the proposed research work:
4. Aims & objective/hypothesis:
5. Plan of work:
6. Methodology to be adopted:
7. Graphical schedule (half-yearly) of work:
8. Budget:
 - A. Recurring budget (give breakup):
 - B. Non-recurring (give details):
 - C. Miscellaneous (specify):
 - D. Total budget (A+B+C)

Date:

(Signature)
Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-C

Parul University
Application for Research Associateship

A. Personal Details

1. Name of the Applicant:
2. Designation:
3. Qualification:
4. Teaching Experience:
5. Department:
6. Institute:
7. Faculty:
8. Contact details: M- _____ e-mail: _____

C. Project Details:

[The following details are to be given on separate sheet in the given order]

1. Title of the Project:
2. Duration of the Project:
3. Introduction/Background of the project including literature survey related to the proposed research work:
4. Aims & objective/hypothesis:
5. Plan of work:
6. Methodology to be adopted:
7. Graphical schedule (bi-monthly) of work:
8. Budget:
 - A. Recurring budget (give breakup):
 - B. Non-recurring (give details):
 - C. Miscellaneous (specify):
 - D. Total budget (A+B+C)

Date:

(Signature)
Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-D

Parul University
Request Application for Incentives*
(For Patent Filed/Granted)

A. Personal Details

1. Name of the Applicant:
2. Designation of PI:
3. Department:
4. Institute:
5. Faculty:
6. Contact details: M- _____ e-mail: _____

B. Patent Application Details (attach copy of Form 2):

1. Title of the Patent:
2. Application No.
3. Name of Inventors: i)
 ii)
 iii)
 iv)

4. Patent Application filed in the name of PU as Applicant (Yes/No):
5. Status of the Application (Filed/published/Patent Granted):
6. Give Bank details (Name of the Bank, Branch, IFSC, Type & Account Number, attaché a cancelled cheque or copy of first page of the passbook) for transfer of money:

*Incentives shall be offered to the main inventor only.

Date:

(Signature)
Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-E

Parul University
Request Application for Incentives*
(For Publishing Research Article)

A. Personal Details

1. Name of the Applicant:
2. Designation of PI:
3. Department:
4. Institute:
5. Faculty:
6. Contact details: M- _____ e-mail: _____
7. Give Bank details (Name of the Bank, Branch, IFSC, Type & Account Number, attaché a cancelled cheque or copy of first page of the passbook) for money transfer:

B. Details of the Published Research Article (attach a copy):

1. Title of the Article:
2. Name of Authors:
3. Details of the Journal (Name, Vol., page Nos., Year):
4. Whether National/International:
5. Journal website:
6. ISSN No.:
7. Indexing/Listing status of the Journal (UGC-CARE list, Web of Science, Scopus, Pubmed etc.):
8. Impact Factor (SCI):
9. Whether it is your First/Second/Third/Fourth article in the given calendar year:

*Incentives shall be offered only to one author (co-authors from PU may share the amount among themselves)

Date:

(Signature)
Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-F

Parul University
Request Application for Incentives*
(For Publishing Book Chapter/Book)

A. Personal Details

1. Name of the Applicant:
2. Designation of PI:
3. Department:
4. Institute:
5. Faculty:
6. Contact details: M- _____ e-mail: _____
7. Give Bank details (Name of the Bank, Branch, IFSC, Type & Account Number, attaché a cancelled cheque or copy of first page of the passbook) for money transfer:

B. Details of the Published Book Chapter/Book (attach a copy):

1. Title of the Book Chapter/Book:
 2. Name of Author(s):
 3. Title of the Book (for Book Chapter):
 4. Name of the Editor (for Book Chapter):
 5. Name of the Publisher:
 6. Whether National/International Publisher:
 7. Number of pages in the Book/Book Chapter):
 8. ISBN Number of the Book:
 9. Whether Textbook or Reference Book:
 10. Publisher website:
 11. Whether it is your First/Second/Third Chapter*/Book in the given calendar year:
- *1. Incentives for all book chapters in the same book are to be applied at one time in a single application, if you have more than one book chapter in the same book.
2. Joint authors from PU may share the incentives.

Date:

(Signature)
Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-G

Parul University Request Application for Incentives* (For Research Paper Presentation)

A. Personal Details

1. Name of the Applicant:
2. Designation of PI:
3. Department:
4. Institute:
5. Faculty:
6. Contact details: M- _____ e-mail: _____
7. Give Bank details (Name of the Bank, Branch, IFSC, Type & Account Number, attaché a cancelled cheque or copy of first page of the passbook) for money transfer:

B. Details of the Research Paper Presentation (attach relevant documents):

1. Title of the Paper:
2. Name of Authors:
3. Whether you were the presenting author? (Yes/No):
4. Whether Presentation is Oral/Poster:
5. Name of the Conference:
6. Name of Organizers:
7. Whether National/International:
8. Website of the event:
9. Dates of the conference and the date of your presentation:
10. Registration fee:
11. Whether your paper won a prize (Yes/No):
12. If Yes, state the type of prize (attach certificate):
13. Whether you have attended any another conference this year:

C. Travel Details (Attach relevant documents):

1. Place visited:
2. Whether travelled by Air/Train and Class:
3. Fare incurred:

*Incentives shall be offered only to the presenting author.

Date:

(Signature)
Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-I
Parul University
Faculty Research Excellence Awards

1. Name of the Applicant :
2. Institute :
3. Faculty :
4. Research contribution [Attach Copies of the Article(s)]
 - (i) a. Title of the article:
b. Name of Journal, Vol., Year:
c. Publisher:
d. Indexed in:
e. SCI -Thomson Reuters Impact factor:
f. Points*
 - (ii) (n): Give details (a-f) as above for each article.
 - (iii) Total Points:
5. Patents (Attach relevant documents/certificates)
 - A. Granted Patents
 - (i) a. Title:
b. Type (Indian/US/any other country):
c. Patent No. :
d. Points*
 - (ii)..... (n): Give details (a-d) as above.
 - (iii) Total Points:
 - B. Patents published/applied
 - (i) a. Title:
b. Type (Indian/US/any other country):
c. Patent Application No.:
d. Status (Published/under examination/contested):
e. Points*:
 - (ii)..... (n): Give details (a-e) as listed above.
 - (iii) Total Points:
6. Paper presentation in scientific conferences/invited lectures as resource person in seminar/conference/full paper in conference proceeding (Attach Copy of the certificates):
 - (i) a. Title of the paper/Invited talk/Keynote address:
b. Name and place of the conference/symposium:
c. Status (National/International):
d. Mode of Presentation [Oral/Poster]:
e. Date and time of presentation:
f. Whether the presentation won any prize (yes/no):

(If yes, attach certificate)

g. Points*:

(ii) (n): Give details (a-g) as above.

(iii) Total Points:

7. Research Projects (Attach relevant documents)

A. Research Projects applied

- (i)
 - a. Title of the project:
 - b. Name of the funding agency:
 - c. Total amount applied for:
 - d. Your status in the project:
 - e. Your status (whether PI or Co-PI):
 - f. Points*:

(ii)..... (n): Give details (a-f) as above.

(iii) Total Points:

B. Research Projects sanctioned

- (i)
 - a. Title of the project:
 - b. Name of the funding agency:
 - c. Total amount sanctioned:
 - d. Duration:
 - e. Your status in the project:
 - f. Your status (whether PI or Co-PI)
 - g. Points*:

(ii)..... (n): Give details (a-g) as above.

(iii) Total Points:

***Refer the Marking system to be used for self-assessment for Proforma-I & II**

It is certified that the information provided above by me is correct and true to the best of my knowledge and belief. I personally shall be responsible for any wrong information provided in this proforma.

Date:

(Signature)

Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Proforma-II

Parul University Students/Scholars Research Promotion Awards

1. Name of the Applicant :
2. Institute :
3. Faculty :
4. Research contribution [Attach Copies of the Article(s)]
 - (i)
 - a. Title of the article:
 - b. Name of Journal, Vol., Year:
 - c. Publisher:
 - d. Indexed in:
 - e. SCI -Thomson Reuters Impact factor:
 - f. Points*:
 - (ii) (n): Give details (a-f) as above for each article.
 - (iii) Total Points:
5. Patents (Attach relevant documents/certificates)
 - A. Granted Patents
 - (i)
 - a. Title:
 - b. Type (Indian/US/any other country):
 - c. Patent No. :
 - d. Points*:
 - (ii)..... (n): Give details (a-d) as above.
 - (iii) Total Points:
 - B. Patents published/applied
 - (i)
 - a. Title:
 - b. Type (Indian/US/any other country):
 - c. Patent Application No.:
 - d. Status (Published/under examination/contested):
 - e. Points*:
 - (ii)..... (n): Give details (a-e) as listed above.
 - (iii) Total Points:
6. Paper presentation in scientific conferences/invited lectures as resource person in seminar/conference/full paper in conference proceeding (Attach Copy of the certificates):
 - (i)
 - a. Title of the paper/Invited talk/Keynote address:
 - b. Name and place of the conference/symposium:
 - c. Status (National/International):
 - d. Mode of Presentation [Oral/Poster]:
 - e. Date and time of presentation:
 - f. Whether the presentation won any prize (yes/no):

(If yes, attach certificate)

g. Points*:

(ii) (n): Give details (a-g) as above.

(iii) Total Points:

7. Research Projects (Attach relevant documents)

A. Research Projects applied

- (ii) a. Title of the project:
- b. Name of the funding agency:
- c. Total amount applied for:
- d. Your status in the project:
- e. Your status (whether PI or Co-PI):
- f. Points*:

(ii)..... (n): Give details (a-f) as above.

(iii) Total Points:

B. Research Projects sanctioned

- (ii) a. Title of the project:
- b. Name of the funding agency:
- c. Total amount sanctioned:
- d. Duration:
- e. Your status in the project:
- f. Your status (whether PI or Co-PI)
- g. Points*:

(ii)..... (n): Give details (a-g) as above.

(iii) Total Points:

***Refer the Marking system to be used for self-assessment for Proforma-I & II**

It is certified that the information provided above by me is correct and true to the best of my knowledge and belief. I personally shall be responsible for any wrong information provided in this proforma.

Date:

(Signature)

Applicant

Principal of the Institute

Dean of the Faculty

Comments of the Expert Committee

(To be filled in by Centre of Research for Development)

Marking system to be used for self-assessment for Proforma-I & II:

A. Research Papers

- | | |
|---|-----------|
| (i) Research paper in peer-reviewed UGC listed Journals without an impact factor | 10 Points |
| (ii) Research paper in peer-reviewed Scopus listed Journals without an impact factor | 15 Points |
| (iii) Research paper in peer-reviewed UGC listed Journals with Impact Factor upto 1..... | 20 Points |
| (iv) Research paper in peer-reviewed UGC listed Journals with Impact Factor Between 1-2..... | 25 Points |
| (v) Research paper in peer-reviewed UGC listed Journals with Impact Factor Between 2-5..... | 30 Points |
| (vi) Research paper in peer-reviewed UGC listed Journals with Impact Factor Between 5-10..... | 35 Points |
| (vii) Research paper in peer-reviewed UGC listed Journals with Impact Factor > 10..... | 40 Points |
- (*Impact Factor will be calculated for journals listed in Scopus/ Web of science/Pubmed).

B. Patents

- | | |
|---|-----------|
| (i) Indian patent application filed/published | 10 points |
| (ii) International patent application published... | 15 points |
| (iii) Indian Patent Granted | 30 Points |
| (iv) International Patent Granted | 50 Points |
- (International means a country other than India)

C. Conference proceeding

- | | |
|--|-----------|
| (i) Publication of proceeding in National conference... | 10 Points |
| (ii) Publication of proceeding in International conference.... | 20 Points |
- (Points for Paper presentation will not be counted while considering the points for conference proceedings)**

D. Paper presentation/Invited talk/keynote address

- | | |
|--|-----------|
| (i) Presentation in National conference... | 05 Points |
| (ii) Presentation in International conference... | 10 Points |

E. Projects

- | | |
|--|-----------|
| (i) Submitted projects to Indian funding agencies | |
| • Amount asked For (up to 5 lakh) | 05 Points |
| • Amount asked For (5- 10 lakhs) | 10 Points |
| • Amount asked For (10- 30 lakhs) | 20 Points |
| • Amount asked For (30- 50 lakhs) | 30 Points |
| • Amount asked For (Above 50 lakhs) | 40 Points |

- (ii) Submitted projects to International funding agencies**
- Amount asked For (up to 50 lakh) ----- 30 Points
 - Amount asked For (> 50 lakhs) ----- 50 Points
- (iii) Sanctioned projects (Indian funding agencies)**
- Amount Sanctioned (up to 5 lakh) ----- 15 Points
 - Amount Sanctioned (5 - 10 lakh) ----- 20 Points
 - Amount Sanctioned (10- 30 lakh) ----- 30 Points
 - Amount Sanctioned (30 - 50 lakh) ----- 40 Points
 - Amount Sanctioned (Above 50 lakh) ----- 50 Points
- (iv) Sanctioned projects (International funding agencies)**
- Amount Sanctioned (up to 50 lakh) ----- 30 Points
 - Amount Sanctioned (> 50 lakhs) ----- 50 Points

