



Jayoti Vidyapeeth Women's University, Jaipur

Directorate of Research & Development

REGULATIONS OF RESEARCH DEGREE

**Amended Guidelines as per University Grants Commission
(Minimum Standards and Procedures for Award
of Ph.D. Degree) Regulations, 2022**

**Notified on 01 January 2023
Approved in 39th Meeting of Board of Management (BOM) on 30 December 2022**



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1. Directorate of Research & Development

The university has constituted a Directorate of Research & Development (DRD) for successfully conducting research and development activities.

Objective:

The main objectives of the Directorate of Research & Development DRD are as follows-

1. To conduct Ph. D research programs in the University for All Disciplines.
2. To organize and conduct seminars, workshops, symposiums and conferences at state/national/international level.
3. Development of all faculty members through training and research projects.
4. To help the faculty members in submitting the research projects/proposals to the various state and national level funding agencies.
5. Publication of research papers, books, chapters in books and review papers etc.
6. Professional grooming of the faculty members for the role of supervisors, editors, reviewers and experts.
7. To make provisions for research and consultancy and for that purpose to enter into such arrangements with other institutions or bodies as the University may deem necessary.

2. Jurisdiction

The Directorate's jurisdiction involves the use of the University premises for the conduct of interdisciplinary research.

3. Members of Directorate of Research & Development

As per the University Statutes

4. Responsibility

1. To conduct research and development activities for community development.
2. To register & conduct research studies such as Ph. D thus building a strong cadre of extremely capable research scholars in addition to the high caliber graduates and postgraduates.
3. To register and monitor the Research projects which will be theme based, goal directed and use-inspired strategic research that will be carried out by interdisciplinary teams.
4. To publish an interdisciplinary Research Journal; *University Resource Journal* to enhance knowledge in various fields of investigational endeavor that would be of benefit to society and industry.
5. To collaborate or associate with other institute/industries for collaborative research resulting in the development of commercial / industry-based products, laboratory investigations and tests, production of marketable goods, live projects etc.
6. To register the Research Supervisors and Co Supervisors as per the requirements.



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7. To conduct research activities as per university requirement.
8. To initialize and carry out Research Certificate Programs for the benefit of the scholars and industry.
9. To preserve the research document or maintain the completed research studies and provide to society and industry for utilization in Community Development.
10. And other necessary activities for the furtherance of its object.

5. Research Studies

Categories of Research Scholars

1. Full Time Research Scholar

Full Time Research Scholar shall mean a student selected for Ph. D program without any financial assistance and remain self-financed throughout the program. The minimum duration of the program will be 3 years including course work and a maximum of 4 years from the date of admission. After maximum duration Extension will be applicable after the approval of competent authority.

A maximum of an additional two (2) years can be given through a process of re-registration as per the Statute/Ordinance of the Higher Educational Institution concerned; provided, however, that the total period for completion of a Ph.D. programme should not exceed eight (8) years from the date of admission in the Ph.D. programme.

The Women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of two years in the maximum duration. However, the total period for completion of a Ph.D. programme in such cases should not exceed ten (10) years from the date of admission in the Ph.D. programme. In addition, the women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of Ph. D for up to 240 days.

2. External/ Part Time Research Scholar

External/ Part Time Research Scholar shall mean a student selected for a Ph. D program without any financial assistance and remains self-financed on a part-time basis. The minimum duration of the program will be 4 years including coursework and a maximum of 5 years from the date of admission. After maximum duration Extension will be applicable after the approval of competent authority.

A maximum of an additional two (2) years can be given through a process of re-registration as per the Statute/Ordinance of the Higher Educational Institution concerned; provided, however, that the total period for completion of a Ph.D. programme should not exceed eight (8) years from the date of admission in the Ph.D. programme.



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The Women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of two years in the maximum duration. However, the total period for completion of a Ph.D. programme in such cases should not exceed ten (10) years from the date of admission in the Ph.D. programme. In addition, the women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of Ph.D for up to 240 days.

3. Research Scholar in Continuation

- a) Applicable for all those who due to any circumstances have not been able to finish their Doctoral thesis.
- b) It shall be mandatory for everybody to appear and qualify in the University's Entrance Examination and subsequent Interactive session to be enrolled for Ph.D program of the University.
- c) After the selection, the candidate shall have to undertake the Research Coursework and successfully complete it.
- d) It shall be necessary to obtain a No Objection Certificate (NOC) from the previous University / Institution.
- e) In all cases the research scholar has to present entire research work carried out in front of the expert panel as suggested by the Directorate of Research & Development.
- f) The previous research work done by the candidate shall be exempted after recognition by the Research Supervisor under the credit transfer system.

6. Eligibility for Admission

(1) Candidates who have completed:

(i) A 1-year/2-semester master's degree programme after a 4-year/8-semester bachelor's degree programme or a 2-year/4-semester master's degree programme after a 3-year bachelor's degree programme or qualifications declared equivalent to the master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of the educational institution.

A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the Commission from time to time. Provided that a candidate seeking admission after a 4-year/8-semester bachelor's degree programme should have a minimum of 75% marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed. A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the Commission from time to time.



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(2) Candidates who have completed the M.Phil. programme with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of educational institutions, shall be eligible for admission to the Ph.D. programme. A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the Commission from time to time.

Note: -

1. In-campus/ External programme of Ph. D degree shall be available for All.
2. Hostel Accommodation shall be available for Female Research Scholars only

7. Admission Procedure

- a. The University will publish the admission notification detailing the number of seats available for the particular session in different research areas/subjects in the media or on the University website.
- b. The perspective candidate has to go through the admission notification and download the prospectus along with the application form and entrance exam form from the University website.
- c. After filling in and submitting both the form along with the application fee the perspective candidate has to appear in an Entrance Examination has to be conducted by the University online / offline.
- d. Candidate qualified in University Entrance Examination (JNEE) must appear in an interactive session (Interview or Viva- voce) in the University Campus.
- e. The candidates who qualify UGC-NET (including JRF)/UGC-CSIR NET (including JRF)/CEED/GATE are exempted from the entrance examination.



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8. Fee Structure for Ph. D

Application Registration Fee 3000/- is additional (One Time Non-Refundable)

S.NO	Details & Disciplines	Fee for Regular & External Research Scholars (In Rs.)
1	Admission Fee at the time of admission (One time only) (Non-Refundable)	28,000/-
2	Hostel / Dormitory Fees (Triple Seater Air Cooled)	70,000/- per year
3	Uniform Fee (One time only) (Non-Refundable)	7,000/-
4	Research Guidance Fees (including Coursework fee)	10,000/-
5	Research Fee (Group I/ Group II) (As Applicable)	
A	Group I (History/ Hindi/ English/ Pol Science/ Geography/Education/Journalism/Public Administration/ Commerce/Economics/Mathematics/ Computer Science/ Management/ Law/ Yoga/ Sanskrit/ Sociology)	180,000/-
B	Group II (Chemistry/ Physics/ Zoology/ Botany/ Agriculture/Biotechnology & Life Sciences/ Microbiology/ Biochemistry/Nutrition & Dietetics/ Pharmacy/ Food Technology/Physiotherapy/ Yoga/Fashion Design)	210,000/-
6	Fee for PhD Coursework examination fee	7,500/-
8	Thesis Evaluation	15000/-
9	Binding, University Research Resource Journal, Thesis Submission, Examination, IP Support and other charges will be borne by the Research Scholar as per University Notification Time to Time	
Note: a) Lab expenses except equipments shall be borne by the research scholar.		
Total Fees (For Non-Practical Subjects) = 2,86,000/- + Hostel		
Total Fees (For Practical Subjects) = 3,16,000/-+ Hostel		

In case of a subject /discipline/area of research requiring a higher proficiency, expertise or super specialization, the fee for that subject /discipline/area of research may be revised with the mutual consent of the Research Scholar and the University Management.



9. Research Supervisor

1) Permanent faculty members working as Professor/Associate Professor of the University with a Ph.D., and at least five research publications in peer-reviewed or referred journals and permanent faculty members working as Assistant Professors in University with a Ph.D., and at least three research publications in peer-reviewed or refereed journals may be recognized as a Research Supervisor.

Provided that in areas/disciplines where there is no, or only a limited number of peer-reviewed or referred journals, the Higher Educational Institution may relax the above condition for recognition of a person as Research Supervisor with reasons recorded in writing.

Co-Supervisors from within the same department or other departments of the same institution or other institutions may be permitted with the approval of the competent authority.

Adjunct Faculty members shall not act as Research Supervisors and can only act as co-supervisors.

2) In the case of interdisciplinary/multidisciplinary research work, if required, a co-Supervisor from outside the University may be appointed.

3) An eligible Professor/Associate Professor/Assistant Professor can guide up to eight (8) / six (6) / four

Ph.D. scholars, respectively, at any given time.

4) In case of relocation of a female Ph.D. scholar due to marriage or otherwise, the research data shall be allowed to be transferred to the Higher Educational Institution to which the scholar intends to relocate, provided all the other conditions in these Regulations are followed, and the research work does not pertain to a project sanctioned to the parent Institution/Supervisor by any funding agency. Such scholars shall, however, give due credit to the parent institution and the supervisor for the part of research already undertaken.

5) Faculty members with less than three years of service before superannuation shall not be allowed to take new research scholars under their supervision. However, such faculty members can continue to supervise Ph.D. scholars who are already registered until superannuation and as co-supervisors after

superannuation, but not after attaining the age of 70 years.

10. Admission of International students to the Ph.D. programme. -

(1) Each supervisor can guide up to two international research scholars on a supernumerary basis over and above the permitted number of Ph.D. scholars as specified in clause 9.3 above.

(2) The University may decide their own selection procedure for Ph.D. admission of international students keeping in view the guidelines/norms in this regard issued by statutory/regulatory bodies concerned from time to time.



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11. At any point, the total number of Ph.D. scholars under a faculty member, either as a supervisor or a co-supervisor, shall not exceed the number prescribed in clause 9.3 and clause 10.1.

12. The Research Supervisor shall be required to provide a minimum of 360 credits of research consultation in minimum 3 yrs or more for Regular and minimum 4 years or more for External mode. 1 Consultation Credit = 1 Contact Hour.

13. Each supervisor is expected to establish a clear framework for supervision, including arrangement for regular meetings and supervisory meetings with the Research Scholar: Provided that, the Research Scholar shall be required to fill Quarterly Research Consultation Work Sheet (QRC- Work Sheet) duly signed by both the Research Scholar and Research Supervisor to be submitted in the Directorate.

14. Research Advisory Committee & its Functions:

- a. There shall be a research advisory committee or an equivalent body for a similar purpose as defined the statues/ordinances of the institution concerned, for each Ph. D scholar. The Research Supervisor of the scholar shall be the Convener of this Committee. This committee shall have the following responsibilities:
 1. To review the research proposal and finalize the topic of research.
 2. To guide the research scholar to develop the study design and methodology of research and identify the Course (s) that he/she may have to do.
 3. To periodically review and assist in the progress of the research work of the research scholar.
- b. A research scholar shall appear before the research advisory committee once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. The six-monthly progress reports shall be submitted by the research advisory committee to the Institution/College with a copy to the research scholar.
- c. In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reason for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the research advisory committee may recommend to the institution/College with specific reasons for cancellation of the registration of the research scholar.

15. Course Work

The Ph.D. Research Scholars are required to undertake Ph.D. coursework of two semesters within one year (one and half years in case of external Research Scholars) from the date of admission in to the programme in accordance with the University Academic Schedule.

The Research Scholar shall be allowed to undertake the Research work after successful completion of the **Core coursework**, while the **Skill Development Course** and the **University Compulsory Courses (UCC)** can be undertaken with the research work.



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A. The **Core coursework** shall comprise 5 papers:

- Research Methodology
- Research Publication & Ethics
- Quantitative & Statistical Techniques

16. Computer Applications

17. Dissertation on Review of Literature

S. No.	Course Name	Credits	Regular Research Scholar	External Research Scholar
1	Research Methodology	4	Semester I	Semester I
2	Computer Applications	4	Semester I	Semester I
3	Quantitative & Statistical Techniques	4	Semester I	Semester I
4	Research Publication & Ethics	4	Semester I	Semester I
5	Dissertation on Review of Literature	4	Semester I	Semester I

The Research Scholars shall also undertake the following compulsory courses under **University Compulsory Courses (UCC)** for the fulfillment of University Mission.

- Women Rights & Law
- Environmental Studies & Disaster Management
- Cyber Security

S. No.	Course Name	Credits	Regular Research Scholar	External Research Scholar
1	Women Rights & Law	1	Semester I	Semester I
2	Environmental Studies & Disaster Management	1	Semester I	Semester I
3	Cyber Security	1	Semester I	Semester I

- The Coursework shall comprise of 19 credits (each academic credit is equivalent to 10 hrs of studies) including 3 credits for University Compulsory Courses (UCC), which has to be undertaken at the University Campus by Regular & External Research Scholars.
- For Regular, External and Continuation Research Scholars: Course work of 190 hrs (75% attendance is mandatory) is to be undertaken.
- The syllabus & schedule of the coursework shall be posted on the university website.
- The research scholar is required to submit a dissertation on the Review of research work published / carried out so far in its chosen field.

18. Course Work Evaluation

- All the Examination Rules of the Department of Examination shall be applicable on evaluation of Ph. D course work.
- The Time period required for completion of a Ph. D programme shall be minimum 3 or more years for Regular & minimum 4 or more years for External mode.
- Examinations of the university shall be open to all the Research Scholars who have



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undergone a course of study in the university for a specified period.

Course Work- Credit requirements, number, duration, syllabus, minimum standards for completion, etc.

(1) The Credit requirement for the Ph.D. coursework is a minimum of 12 credits, including a "Research and Publication Ethics" course as notified by UGC vide D.O. No. F.1- 1/2018(Journal/CARE) in 2019 and a research methodology course. The Research Advisory Committee can also recommend UGC, which recognized online courses as part of the credit requirements for the Ph.D. programme. (2) All Ph.D. scholars, irrespective of discipline, shall be required to train in teaching /education /pedagogy/writing related to their chosen Ph.D. subject during their doctoral period. Ph.D. scholars may also be assigned 4-6 hours per week of teaching/research assistantship for conducting tutorial or laboratory work and evaluations.

(2) A Ph.D. scholar must obtain a minimum of 55% marks or its equivalent grade in the UGC 10-point scale in the course work to be eligible to continue in the programme and submit his or her thesis.

19. Synopsis Presentation & Submission

- a) The research scholar is required to prepare a synopsis as per the guidelines of the Research Advisory Committee of the University of the proposed Ph.D research programme in consultation with his/her supervisor (s) and submit the synopsis to the Directorate of Research & Development.
- b) The scholar shall give a presentation on his/her proposed research work before the Research Advisory Committee and expert panel on a date and time notified by the Directorate of Research & Development (DRD).
- c) The research scholar shall submit 2 copies each of the review of literature and synopsis at the time of presentation.
- d) If the synopsis is not approved, then the research scholar has to incorporate the suggestions of expert panel members / subject research committee and must submit two copies to the Directorate within two weeks along with a soft copy.
- e) The approved synopsis will be uploaded on the Sodhgangotri as per the UGC, (Minimum Standards and Procedure for Award of M.Phil/Ph.D Degrees) (1st amendment Regulations, 2018).
- f) If the synopsis is found duplicated after submission in the Sodhgangotri then the Research Scholar has to revise the entire synopsis in consultation with his/her Research Supervisor and must resubmit it to the Directorate.

20. Research Work & Consultation

After synopsis approval the Research Scholar is allowed to carry on the research work in consultation with the Research Supervisor. Research Scholars are required to complete a minimum of 360 credits of research consultation in minimum 3 yrs or more for Regular and minimum 4 years or more for External mode. 1 Consultation Credit =1 Contact Hour.



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Criteria for Promotion of Research Scholar

S. No.	Semester	Criteria	Lab/ Research Work (Hours)	Library Work (Hours)	Consultation Hours (Hours)	Total (Hours)
1	Ist Sem	1 UGC Care, Apply for Fellowship through NET/JRF/ Other	20	10	50	80
2	IInd Sem	Course Work Completion, 1 Conference, Research Project Proposal preparation & submission (Govt/ NGO)	30	10	50	90
3	IIIrd Sem	1 UGC Care, 1 Book Chapter, Research Project, 1 Conference/Workshop etc., Thesis Work	50	10	50	110
4	IVth Sem	1 Web of Science/ Scopus/ SCI/PubMed, Thesis Work	50	10	50	110
5	Vth Sem	1 UGC Care, 1 Conference, 1 Research Award, Filing of Patent/Copyright, Thesis Work	20	10	50	80
6	VIth Sem	1 Web of Science/ Scopus/ SCI/PubMed	20	10	50	80
			190	60	300	550

Note:

1. Participation in University Organized Activities (Conferences/ Workshops/ Seminars etc.) is mandatory

Note* The above-mentioned hours are excluding Course Work Duration

21. Thesis Submission

- On satisfactory completion of the prescribed courses, presentation of the research work (Pre Thesis Submission Presentation) before Research Advisory Committee which shall also be open to all faculty members and other research scholars and the required publication, the Research Scholar shall submit five copies of the thesis of the research work along with five copies of the summary of research work.
- The thesis submitted for the Ph.D degree shall contain an account of the research work carried out by the scholar leading to the discovery of new facts or techniques or new correlation of facts already known (analytical and /or experimental and /or hardware oriented in nature), the work should be of such quality that it makes a definite contribution to the advancement of knowledge.
- The cover of the Ph. D thesis shall be of Dark Purple color.
- The scholar has to submit 05 copies of the thesis in hard bind form along with a copy containing all the chapters, research papers and plagiarism report.



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- e) Ph. D scholars must publish at least one research paper every semester in (Scopus/ Web of Science/PubMed/UGC Listed Journal) and make three paper presentations in conferences/seminars before the submission of dissertation/thesis for adjudication and produce evidence for the same in the form of presentation certificate and/or reprints.
- f) Ph. D scholars must complete the following during the tenure of their research work:
 - 1. Filing of Patent/ Startup/ Copyright
 - 2. Publication of Research Paper (Scopus/ Web of Science/PubMed/UGC Listed Journal) every semester (Minimum 2 in International Journals)
 - 3. 1 Book review or 2 Book chapters every semester in Women University Press
 - 4. Submission of Research Project to Govt., Funding Agencies (At least 1)
 - 5. Participation and publication in each University Conference
 - 6. Publish Review paper based on Scopus/ Web of Science/ PubMed paper on minimum h index of 8-10 in University Research Resource Journal
 - 7. Every scholar must have their profile on Research gate and Google Scholar, and they should keep adding their publications to it time to time.
- g) The Ph. D thesis prior to submission must be checked to detect plagiarism and the other form of Academic dishonesty using plagiarism software. While submitting for evaluation, the dissertation/thesis shall have undertaking from the research scholar and the certificate from the Research Supervisor attesting to the originality of the work, vouching that there is no plagiarism and that the work has not been submitted for the award of any other degree/diploma of the same institution where the work has been carried out, or to any other institution.

22. Evaluation and Assessment Methods, minimum standards/credits for award of the degree, etc

- a) The Ph.D. thesis submitted by a Ph.D. scholar shall be evaluated by his/her Research Supervisor and at least two external examiners who are experts in the field and not in employment of the University (selected from the panel of experts submitted by research supervisor). Such examiners should be academics with a good record of scholarly publications in the field. Wherever possible, one of the external examiners should be chosen from outside India/Out of state. The viva-voce board shall consist of the Research Supervisor and at least one of the two external examiners and may be conducted online. The viva-voce shall be open to the members of the Research Advisory Committee/faculty members/research scholars, and students. University may formulate appropriate rules/ordinances to affect the provisions of this Regulation.



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The viva-voce of the Ph.D. scholar to defend the thesis shall be conducted if both the external examiners recommend acceptance of the thesis after incorporating any corrections suggested by them. If one of the external examiners recommends rejection, the University shall send the thesis to an alternate external examiner from the approved panel of examiners, and the viva-voce examination shall be held only if the alternate examiner recommends acceptance of the thesis. If the alternate examiner does not recommend acceptance of the thesis, the thesis shall be rejected, and the Ph.D. scholar shall be declared ineligible for the award of a Ph.D.

- b) The examiners shall be chosen by the Chairman, Directorate of Research & Development (DRD) from among the panel of five examiners submitted by the supervisor.
- c) The examiner is expected to send the report on the thesis within two months from the date of receipt of the thesis.
- d) In case of undue delay in receiving the evaluation report, the Chairman of the Directorate shall appoint another examiner from the panel for evaluating the thesis.
- e) In all other cases not covered by the above Regulations the matter will be referred to the Directorate for consideration.

The University shall complete the entire process of evaluating a Ph. D. thesis, including the declaration of the viva-voce result, within a period of six (6) months from the date of submission of the thesis.

23. Guidelines for Thesis:

- a. The number of words in the PhD title should not be more than 15 words.
- b. Research topic of PhD thesis should not be written under inverted Commas (" ")
- c. Minimum and maximum number of pages in the thesis should be 150-250.
- d. The minimum number of References in any thesis should be 150.
- e. Reference should be Concurrence (Not older study than previous 25 years)

24. University is strictly following the established UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Education Institutions) Regulation 2018. In case of detection of plagiarism scholars may lose their degree whereas Supervisor will not only be blacklisted but can lose his or her job.



Guidelines for Thesis

On satisfactory completion of the research work, scholar has to submit the Thesis fulfilling the mentioned guidelines:

- The number of words in the PhD title should not be more than 15 words.
- Research topic of PhD thesis should not be written under inverted Commas (" ")
- Minimum and maximum number of pages in thesis should be 150-250.
- The minimum number of References in any thesis should be 150.
- Reference should be Concurrence (Not older study than previous 25 years). Thesis should have references of their Supervisor's and University's other staff's published research work.
- All the tables, graphs, charts and figures should be numbered, labeled and contain reference the cover of the Ph. D thesis shall be of Dark Purple color.
- The Ph. D thesis prior to submission must be checked to detect plagiarism and the other form of Academic dishonesty using plagiarism software.
- Research scholars must submit the Research Outcome Document endorsed by related Industry/Community/ Government Officer/ Media Executive for the completion of research.

The constitution of Thesis must carry the following Headings:

- Correlation with Ancient Indian Literature
- Research Outcomes for Industry/Community/ Government/ Policy Making
- Respect of Past Research

Chapter 1: Introduction

In the first chapter, scholars clearly state the purpose of the study and its significance. The significance is addressed by discussing how the study adds to the theoretical body of knowledge in the field and the study's practical significance for communication professionals in the field being examined. Scholars also must explain how their research makes an original contribution to the body of knowledge in their discipline.

- o The subheadings should be:
- o Introduction of topic and research
- o Objectives of the research
- o Hypothesis
- o Scope of Future Research
- o Any Other details

Chapter 3: Review of Literature

The purpose of the study should suggest some theoretical framework to be explained further in this chapter. The literature review thus describes and analyzes previous research on the topic. The scholar has to study their Supervisor's and University's other staff's published research work on the related area of their research.



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Chapter 3: Research Methodology

In this chapter scholars must describe and justify the data collection method used. This chapter also outlines how you analyze your data. Begin by describing the method you chose and why this method was the most appropriate.

The questionnaire for primary data collection will be prepared through university provided Digital software only. And data collection will be done through the link provided by the University.

The subheadings of this chapter should be:

- o Research Design
- o Sampling Method
- o Type of Sample used
- o Data Collection method
- o Data Analysis Method
- o Justification for type of sample used
- o Method for selecting units of observation
- o Development of data collection instruments
- o Pre-test reliability
- o Validity of instrument
- o Data analysis/ statistical analysis
- o Types of tests for analysis
- o Any Other detail

Chapter 4: Results and Discussion

This chapter should address the results from your data analysis only. It should include graphical representation of the facts and finds.

In case of practical/ laboratory findings scholar must include the pictures of practical implemented in labs. They also must mention the location of the practical conduction laboratory.

Hypothesis Testing should be mentioned in this chapter.

Chapter 5: Summary, Conclusion and Suggestions

This chapter should contain

- o Summary of all the work done so far
- o Conclusion of the research work
- o Suggestions for the Industry/ Society/ Policymakers

Bibliography/References:

Bibliography should be listed in alphabetical order/ chronological order. It should also contain the references of concerned Supervisor's and University's other staff's published research work also.

Annexure:

The following documents must be annexed as a part of thesis:

- o Plagiarism Report
- o 3 Quality Research Papers
- o 3 Conference/Workshop/Seminar Certificates
- o Questionnaire
- o Other Relevant documents (ex. Patent, Copyright, Book Chapter, Fellowship, etc.)



Guidelines for Writing Scholarly Articles

Original Full length research papers should be 5000-6000 words including of all sections of the paper apart from tables and figures. The paper should be original in nature, research findings and working relates to the research work should be given in detail to verify the work by others. The manuscript should be prepared carefully according to guidelines. The research article should have the following headings:

1. **Title Page:** Title should be informative, meaningful, brief and specific. Author/s names and their affiliation/s along with email address, communication address and mobile number should be clearly mentioned. The title should be typed in 16 font size in Times New Roman. Along with other necessary details, the author also has to mention the following details:
 - a. Google Scholar Id (mandatory)
 - b. Research Gate (mandatory)
 - c. Scopus Author ID (if any)
 - d. Web of Science Researcher ID (if any)
2. **Acknowledgement to the Originator:** This should give an acknowledgement to the Originator/s.
3. **Abstract with keywords:** Abstract should be limited to 150-200 words and convey the important points of the research paper, highlights the results and conclusions along with the significance of the result. Keywords should be limited to six words; the keywords should separate from each other and should not be synonyms of each other.
4. **Scope of Future Research (Recommended):** It is recommended that the author should mention the future scope of the research.
5. **Research Outcomes for Industry/Community/ Government/ Policy Making:** The author has to mention the research outcome and the beneficiary of the paper like Industry/Community/ Government/ Policy Making etc.
6. **Introduction & Background of the Problem (ending with a problem statement):** Introduction should be brief and must explain the background of research work clearly; technical terms should be well defined. It should explain Why and how the study is important and the problems being investigated?
7. **Review of Literature:** It should contain what we already know about this problem or situation. Scholar has to mention the reviews in chronological order and mention the related reviews only.



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8. **Material and Methods (participants, instruments, procedures):** The material and methods should include the details of the materials used in the research work along with the specifications of the equipments and original source and references of various methods used for the experimentation used in the study. It should contain how the study was conducted? Who were the participants? What data were collected and how?
9. **Results and Discussion:** Results of research work done should be present with clarity and precision. It should emphasize on What are the implications of these results. How do they agree or disagree with previous research? What do we still need to learn? What are the limitations of this study?
10. **Conclusion:** The main conclusions should be conveyed in a final paragraph with a clear statement of how the study advances knowledge and understanding in the field and what are the noble outcomes of the research work done.
11. **Correlation with Ancient Indian Literature:** Mention the correlation of your work ancient Indian literature along with its reference.
12. **References:** References should be listed in alphabetical order at the end of the paper. Every article should have references for their Supervisor's and University's other staff's published research work.

Point No. 1, 2, 4, 5, 11 and 12 are applicable to Book / Book Chapters

also. Point No. 2 and 12 are applicable to Patent also.

The Synopsis must carry:

- Objectives of the Research
- Hypothesis of Research
- Related questionnaire for Survey
- Sample size of survey
- Details of referral papers
- Details of referral papers or literature of University Intellectuals
- Hypothesis of Prototype/ Hypothesis of Patent/ Copyright
- Details of required Co-Supervisor/ External Library/ External Laboratory/ External Resources
- Footnote of Research leading to Community/ Industry welfare or Policy Intervention



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UNIVERSITY RESEARCH RESOURCES

I- Thought Process Lab:

A 700 sq. ft base area to support thinking.

II- Incubation Centre

A 12500 sq.ft. base area to incubate their idea and to provide proof of concept with demonstration/analytical note, place to innovator. The project falls in below mentioned sub center as per nature for further.

III Innovation Centre

A 8000 sq ft. dedicated Innovation base to shape the ideas. To provide Pre Clinical Study, Hypothesis testing, optimization process and component and/or laboratory validation base to innovator. The Project falls in below mentioned sub center as per their nature for further:

IV- Directorate of Research & Development (DRD)

A 16000 sq. ft. area dedicated Directorate to provide research environment to students, scholars, alumni, teachers, staff members, stakeholders and anyone to conduct their Hypothesis based research on Community Development, Industry Development, Next Research Resource and Integration and Correlation with Indian Literature leading to find the outcomes of above mentioned.

Research Facilities & Opportunities for Staff Members

The University is focused on research and development from its inception period. The research activities are department centric as well as inter-disciplinary. Faculty members are promoted to work on various projects of interest supported by the University leading to publication, patent, books etc. Involvement of faculty members in research is an integral part of HR policy. Faculty members are provided with mentioned facilities for fostering research culture:

- Reimbursement of registration charges, travel charges along with paid leaves for attending Conference/ workshop/ seminars
- Seed money to work on projects.
- Reimbursement of registration and processing fees on publication of research work in quality journals.



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- Reimbursement of Registration fee on publication of patent.
- Recognition with award on various cultural and academic platforms.
- Subsidized fee structure to carry out higher education from the University
- Provide enough opportunities for the academic excellence of teachers and administrative staff through various activities.

RESEARCH FACILITIES & OPPORTUNITIES

- Sponsoring of registration charges, travel charges along with paid leaves for attending Conference/ workshop/ seminars
- Seed money and facilities to work on projects.
- Sponsoring and appreciation prize along with certificate on publication of research work in quality journals.
- Sponsoring and appreciation prize along with certificate on publication of patent.
- Recognition along with cash prize and certification on various cultural and academic platforms to research oriented students.
- Subsidized fee structure to carry out higher education from the University
- Mandatory participation in research activities for Final and pre final year students.
- Introduction of Research oriented courses at Undergraduate and Post Graduate level.

With the Approval of the Board of Management,

Sd/-

Dr. Hema Bafila

Registrar

Jayoti Vidyapeeth Women's University, Jaipur