

SGVU REGULATIONS 2025 FOR Ph.D. PROGRAM

The Ph.D. degree shall be conferred and awarded to a candidate who fulfils all the requirements specified in the SGVU Ordinances and Regulations 2025 in the discipline of the department in which he is registered.

3.1 NOTIFICATION FOR Ph.D. PROGRAM

1. The University shall lay-down and decide well in advance on annual basis, a manageable number of doctoral students depending on the number of available eligible supervisors.
2. The number of seats as aforesaid shall be notified on a regular basis on the University website and/or advertisement in the widely read national as well as regional newspapers
3. A notification for Ph.D. program shall specify; the number of seats available in each Department/Faculty/Subject, the date, place and syllabi of the Entrance Test; and procedure of application submission.

3.2 ELIGIBILITY CRITERIA FOR ADMISSION TO Ph.D. PROGRAM

Following shall be the criteria for admission to the Ph.D. programme in the University:

1. The minimum qualifications for admissions to Ph.D. programme shall be 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 **60% 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.
2. The University shall admit applicants to Ph.D. degree program through Entrance Test conducted by it.
3. Applicants who have qualified for fellowship/scholarship in UGC-NET/UGC-CSIR NET/GATE/CEED and similar National level tests shall be exempted from the Entrance Test.
4. 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.
5. 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.
6. 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.

7. Eligibility Check: A Screening Committee may be constituted to check the eligibility of the applicants. The following may be the members of the committee:
 - a. Dean Research
 - b. Admission officer /Dy. Registrar Research
 - c. Nominee of concern RAC

3.3 ADMISSION PROCEDURE (NATIONAL STUDENTS)

Following shall be the procedure for admission:

1. The applicant should fill application form for admission to Ph.D. Program online and submit with all the desired scanned documents together with fee in the prescribed manner.
2. The Ph.D. Entrance test shall be conducted twice in a year for the session January and July on dates notified by the University.
3. The result of Ph.D. entrance test shall be declared on the University Website: www.gyanvihar.org.
4. The date of fee deposition shall be informed to all qualified applicants of Ph.D. entrance test. The information shall also be available on the University website.
5. Applicants shall be admitted to Ph.D. program after deposition of fees and verification of original documents and recommended by the admission department with due approval of Dean Research.
6. Reservation rule will be followed as per the govt. of India guideline prevailing at the time of admission.

3.4. ADMISSION PROCEDURE (INTERNATIONAL STUDENT)

1. No particular date can be fixed for international students. All applications received between 1st February to 30th June will be considered to commencement of **autumn semester** and applications received between 1st August to 31th December will be considered to commencement of **spring semester**.
2. The foreign student can submit his/her application with a research proposal and have to appear for the **Test Paper** of Ph.D. entrance examination.
3. The proposal will be evaluated by a committee of two persons i.e. Dean Research and subject expert (nominated by Hon'ble President). If the committee finds the research proposal suitable, a **Skype interview/Google Meet** shall be scheduled, which will be recorded and kept in archive of Dean Research.
4. The committee will evaluate the case on the basis of the following
 - a. The research proposal.
 - b. The Test Paper appeared by student includes Research Methodology and core subjects 50 Multiple Choice Questions (MCQ) of each and duration allowed to solve the test paper will be 90 minutes.

- c. Performance of the Interview over Skype will be evaluated by a committee of two persons i.e. Dean Research and subject expert.
5. If the candidate is found suitable then the Dean Research will issue an admission offer letter and appoint a supervisor as per the research proposal.
6. After appointment of guide, the guide after meeting with student will decide either to start the course work or may suggest the student to join any module/ foundation course/ other program before allowing him to join the course work.
7. Before the depositing of fee, the university will evaluate the eligibility of candidate, and after due satisfaction will allow him/ her to deposit the fee.

3.5 DURATION OF THE Ph.D. PROGRAM

1. Ph.D. Programme shall be for a minimum duration of three (3) years, including course work, and a **maximum duration of six (6) years from the date of admission to the Ph.D. programme.**
2. Extension beyond six years could be allowed only after approval of The President, the extension could be for maximum of an additional two (2) years can be given through a process of re-registration as per the Statute/Ordinance of the University 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.
3. Provided further that, female Ph.D. scholars and Persons with Disabilities (having more than 40% disability) may be allowed an additional relaxation of two (2) years; 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.
4. For the extension, the research scholar shall have to submit his/her application at least 30 days before expiry of prescribed maximum period of Ph.D. for seeking permission to avail extension in maximum tenure of Ph.D. i.e. beyond six years.
5. The research scholar shall have to deposit 50% of fee per semester or year, as the case may be, for extension as per prevailing fee structure at the time of extension being sought.
6. The research scholar shall be liable to publish research papers as below in case of Extension:
 - **Option A:** 01 SCI indexed paper (Q1/Q2) + 01 peer-reviewed/Scopus/Web of Science publication + 02 national/international conference certificates.
 - **Option B:** 02 Scopus/Web of Science publications reflected in Author ID + 02 national/international conference certificates.
 - **Option C:** 02 Scopus-indexed conference papers or book chapters/books reflected in Scopus Author ID + 02 peer-reviewed/Scopus/Web of Science publications + 02 national/international conference certificates.
 - **Option D:** 01 patent granted + 01 Scopus/Web of Science publications + 01 peer-reviewed/ Scopus/Web of Science publications + 02 national/international conference certificates.
 - **Option E:** 01 project/consultancy (Minimum Rs. 5 lakhs) + 01 Scopus/Web of Science publications + 01 peer-reviewed/ Scopus/Web of Science publications + 02 national/international conference certificates.

Important Notice:

- Mixing or merging of criteria is not permitted.
- All publications, patents, projects, consultancy affiliation must be attributed to Suresh Gyan Vihar University only.
- The project or consultancy amount must be deposited only in the account of Suresh Gyan Vihar University.
- The inventor or co-inventor must be affiliated with Suresh Gyan Vihar University for patent.

3.6 CONSTITUTION & FUNCTIONS OF RESEARCH ADVISORY COMMITTEE (RAC)

The Research proposal of each Scholar will be considered by the RAC consisting of the following:

3.6.1 Constitution of RAC

- a. Dean/Principal of the concerned faculty: **Chairman**
- b. Research Supervisor of the Scholar: **Convener**
- c. One and preferably two external subject experts to be nominated by the President on the recommendation of Supervisor / Chairman*: **Member**
- d. All Professors and Associate Professor: **Members**
- e. One Internal expert from the other department in the cognate area to be nominated by the President on the recommendation of Supervisor/Chairman

3.6.2 The quorum for the meeting shall be 2/3 members including one outside expert.

The supervisor shall propose names of three experts from the approved panel of outside experts given by Departmental Research Board. In case of non-availability of experts in the relevant area of specialization in the approved Departmental Research Board panel of outside experts, the supervisor may submit an additional list of experts of relevant area through Head of the Department/School to Dean of Research.

The candidate shall be required to make a presentation on the topic of her/his proposed research. The research proposal should have broad objectives, scope and approach of the proposed investigation, facilities required for successful implementation and the significant contribution/advancement likely to be made. The RAC will consider the proposal and decide the viability of the proposal.

The supervisor must ensure that the student his/her half-yearly progress report to RAC. After approval RAC will send his/her progress report to the concerned research department.

In cases of non-receipt of two consecutive progress reports or two consecutive unsatisfactory reports or unethical practices in research committed by the student or misconduct by the student, the RAC, under the chairpersonship of Dean Research, can recommend any action including cancellation of registration.

3.6.3 Research Advisory Committee and its Functions: -

1. RAC (Research Advisory Committee) will be constituted for every scholar. RAC will be the main committee of research monitoring and supervision of scholars in its new form. There shall be a Research Advisory Committee concerned for each Ph.D. scholar. RAC will now be taking care of progress of individual Scholars and there will be no further requirement of RAA.
2. The Research Supervisor of the Ph.D. scholar concerned shall be the Convener of this committee (RAC), and this committee shall have the following responsibilities:
 - To review the research proposals and finalize the topic of research.
 - To guide the Ph.D. scholar in developing the study design and methodology of research and identify the course(s) that he /she may have to do.
 - To periodically review and assist in the progress of the research work of the Ph.D. scholar.
3. Each semester, a Ph.D. scholar shall appear before the Research advisory Committee to make a presentation and submit a brief report on the progress of his/her work for evaluation and further guidance. The Research Advisory Committee shall submit its recommendations along with a copy of Ph.D. scholar's progress report to the Higher Educational Institution concerned (Dean Research). A copy of such recommendations shall also be provided to the Ph.D. scholar.
4. In case the progress of the Ph.D. scholar is unsatisfactory. The Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the Ph.D. scholar fails to implement these corrective measures, the Research Advisory Committee may recommend, with specific reasons, the cancellation of the registration of the Ph.D. scholar from the Ph.D. program.
 - DRC (Department Research Committee) will now continue as DRB (departmental Research Board) which will have new function. The main function of this committee will be identifying the Thrust area of research of the department and generate research funding through external collaboration.
 - Centrally one Research Board of the University will be formed which will centrally guide research direction and opportunities and funding.

3.6.4 Proposed, New Methodologies, Committees and Suggestions as per Meeting are as follows

- It is mandatory for all the Ph.D. students to register in the concerned Department/School at the start of each semester. In the beginning of first semester (before course work) supervisor must be allotted to each scholar by the Department.
- Every admitted candidate shall have to do course work for a minimum of one semester as per SGVU norms and as suggested by the RAC.
- Only those candidates who successfully complete the course work within one year of admission and with a minimum CGPA of 6.00 on 10.00-point scale shall be registered in the PhD program.
- Every candidate will be required to submit research proposal, duly recommended by the Supervisor(s), after successful completion of the course work. The minimum time period to submit the research proposal shall be one semester from the date of admission and maximum time allowed to submit the research proposal shall be one year from the date of admission.
- Research proposal and Synopsis will be submitted to the concerned Chairman of the RAC for approval in the RAC. In case of non-submission of proposal/Synopsis within one year, Dean Research on

the recommendations of the RAC may grant an extension for a maximum period of six months and inform Head of the Department/School accordingly.

- If the candidate fails to submit the proposal even during the extended period, her/his admission will be cancelled. In case the proposal is rejected by the RAC, the student may resubmit it within next six months starting the date of meeting of RAC failing which her/his admission will be cancelled.
- Once RAC approves the research proposal/ Synopsis, the PhD work will start and the progress will be monitored by RAC.

Agriculture department should additionally add the requirements of ICAR, if any, in consultation with Dean Research and incorporate.

3.7 DEPARTMENTAL RESEARCH BOARD (DRB)

1. CONSTITUTION OF DRB

- Dean /Principal /HOD - **Convener**
- All Supervisor(s) and faculty members of department -- **Member(s)**
- Two faculty members in the cognate area from the other Department/School - **Members/special invitee.**
- DRB may decide to invite external experts time to time if they want (not mandatory).

This committee's tenure is two years. After every two years reconstitution of this committee will take place.

2. A Departmental Research Board as per the constitution shall monitor the followings:

- The main function of this committee will be identifying the **Thrust area of research** of the department, generate research funding through external collaboration.
- Make a 5 year or beyond research plan of the department and monitor the progress.
- Drive innovations and patents in the department with tangible targets.
- DRB meets once in a month or two months.
- Prepare the list of external experts of research areas identified who can be the member of RAC.
- Identify and display of PhD research areas and concerned faculty members' name.
- Allotment and announcement of PhD guides available in the department.
- Monitor the on-going **Funded Research Projects** in the department
- Monitor new projects applications with respect to expertise in the department, organize funded seminars and workshops to strengthen scientific skills of research scholars and faculty members.
- Monitoring and Development of Research facilities in department as per need.
- Approval of Requirement of Research Scholars /RA in the department
- Requirement of consumables and Instruments in department
- Appointment/ selection of Supervisors in the department
- A half-yearly Report from Each DRB is submitted to University Research Board (which is under process of constitution) in written regarding the

progress of the Scholars and Sponsored Research conducted and funding generated in Department/School.

Agriculture department should/may additionally add the requirements in consultation with Dean Research as required by the ICAR regulations and announce the change accordingly.

3.8 Ph.D. ENTRANCE TEST

There shall be one session of three hours duration. Applicants will be required to attempt under mentioned one paper:

1. An Entrance Test shall be qualifying with qualifying marks as 50%.
2. A relaxation of 5 % of marks (from 50% to 45%) shall be allowed for the candidates belonging to SC/ST/OBC (Non-Creamy Layers)/Differently-abled category in the entrance examination conducted by the Universities. provided further that, if in spite of the above relaxation, the seats allotted for SC/ST/OBC (Non-Creamy Layer)/Differently-Abled categories remain unfilled, the concerned Universities shall launch a Special Admission Drive, for that particular category within one month from the date of closure of admissions of General Category. The concerned University will devise its own admission procedure, along with eligibility conditions to ensure that most of the seats under these categories are filled (Annexure-2: UGC Amendment)
3. The syllabus of the Entrance Test shall consist of 50% of research methodology and 50% shall be subject specific. The Entrance Test shall be conducted at the Centre(s) notified in advance.
4. The interview/viva voce shall be conducted to discuss their research interest/area.
5. Total Marks (100) of Entrance Test and Interview:
 - **Part A**- Research Methodology- Marks 35, Mode- Subjective (5 questions out of 7, each of 7 marks) Duration 1.5 hr
 - **Part B**- Subject Specific – Marks 35, Mode Subjective (5 questions out of 7, each of 7 marks) Duration 1.5 hr
 - **Part C**- Interview - Marks 30
6. Applicants shall be short listed on the basis of merit for the predetermined seats available in each Department/Faculty for Ph.D. program of the University in an academic session.
7. The allocation of the supervisor for a selected applicant shall be decided by the concerned DRB only in a formal manner depending on the number of seats per supervisor, the available specialization among the supervisors, and the research interest of the applicant.
8. The University shall maintain the list of all the Ph.D. registered students on its website on year-wise basis. The list shall include the name of the registered candidate, topic of his/her research, name of his/her supervisor/co-supervisor, date of enrolment/registration.

3.9 RESEARCH SCHOLAR CATEGORY

1. **Full Time Research Scholar:** The following category of candidates shall be considered as Full Time Research Scholars:

- a. **Self-Financed:** This category of candidates will not get any financial support from the university.
- b. **Study Leave:** This category refers to candidates employed in any organization/institute and granted Study leave for a minimum period of two and half years for doing research work at the university.
- c. **Teaching Assistant Ship:** Students under this category are entitled to financial support as per university norms. However, the concerned students shall have to assist in teaching as assigned by the respective department/ school to the extent of 12 hours per week.
- d. **Sponsored Candidates:** These candidates are sponsored by any organisation for doing research work in the university. Candidates are expected to be released for full time research work at the university for a minimum period of two and half years.
- e. **Fellowship Award:** These candidates are financially supported under various government schemes (CSIR, UGC, DAE, DST, DBT, NBHM etc.) or by any other organization.
- f. **Foreign Nationals:** These students are admitted through Embassy of the respective government after getting approval from the Ministry of Human Resources Development, Department of Education, Govt. of India.

3.10 COURSE WORK

1. Each candidate including a part-time candidate after having being admitted, shall be required to undertake course work for a minimum period of one semester. The course work shall be treated as pre-Ph.D. preparation and shall include the following courses:
 - **Research Methodology (4 credits):** Each Ph.D. candidate will have to undergo one course on Research Methodology which includes quantitative methods and computer applications.
 - **Research and Publication Ethics (2 credits):** Each Ph.D. candidate will have to undergo one course on Research and Publication Ethics which includes awareness about the publication ethics and publication misconduct
 - **Literature Review in the domain of Research (4 credits):** This course will be adjudged by submitting a Review article/assignment based on reviewing of at least 50 latest published research articles/work in the relevant research field and a presentation of the same.
 - **Specialization paper (4 credits):** Each Ph.D. candidate shall be required to complete a subject specific course. The syllabus of this course will be designed by the supervisor as per the concern research field.

At the end of the course work of one semester each candidate shall be examined in the month of Nov. /Dec. and May/June every year in the above three courses. A candidate who has put in a minimum of 75% attendance during the course work will be admitted to the examination which follows the course work.

2. 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 recognized online courses as part of the credit requirements for the Ph.D. programme.

3. 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
4. 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.

3.10.1 Examination Scheme

The following shall be the examination scheme:

S. No.	Course Code	Course Name	Credits	Exam. Hours
1	PPD-101	Research Methodology (including Quantitative techniques and Computer Applications in Research)	4	3 hours
2	PPD-102	Research Publication & Ethics	2	1.5 hours
3	PPD-103	Literature Review in the domain of Research	2 credits (seminar) 2 (literature review)	Assessment of review article in the relevant field and a presentation of the same
4	PPD-104	Specialization Course (Departmental elective)	4	3 hours
Total			14	

- a. The syllabus of the course Research Methodology (including Quantitative Techniques and Computer Applications in Research Work) shall be prepared by the Research Board and the syllabus of the specialization course (Departmental Elective) shall be prepared by the concerned RAC/DRB in consultation with the Supervisors of the field.
- b. The question papers for the course work shall be prepared by the experts other than supervisors to be appointed by the President on the recommendation of Dean Research/DRB.
- c. There will be one paper for Research Methodology & Computer Applications {including Quantitative Techniques and Computer Applications in Research; (RMCA) (PPD 101)} with maximum marks 100 and duration 03 hours.
- d. In general, the answer books of course work shall be assessed by the Concerned Paper Setter. However, in case the Paper Setter is not available other competent faculty may be appointed by the President on the recommendation of Dean Research/DRB.
- e. The candidates shall be awarded grades in each course and their results will be provided in terms of SGPA as per university norms.
- f. Ph.D. Student will need to secure a minimum of 50% marks in each subject of Course Work.
- g. The aggregate percentage for passing the Course Work will be 55%, in uniformity with UGC Guidelines

- h. A candidate who fails to secure the minimum prescribed grade “C” in any of above courses and SGPA 5.5 on ten-point scales at the above examination shall be permitted to reappear at the next ensuing examination(s). He/she can apply for scrutiny as per the University norms and guidelines.

3.10.2 Marking Scheme

The following shall be the Course work examinations and marks distribution of the subjects.

Total credit= 14, Total Marks = 350, Total Duration of course work = 174 Hrs

1. Marks of RMCA (PPD 101) out of 100 (4 credit, course work duration 48 hrs) will be distributed as:
 - i. Main paper = 70 marks (written exam duration: 3 Hrs)
 - ii. Graded Assignment = 15 marks
 - iii. Project on SPSS/MATLAB = 15 marks.
2. Marks of RPE (PPD 102/CPE-RPE) out of 50 (2 credit, course work duration 30 hrs.)
 - i. Main Paper = 25 Marks (written exam duration: 1.5 Hrs)
 - ii. Assignment: = 15 Marks
 - iii. Group discussion and practical session = 10 Marks
3. Marks of Literature review (PPD 103) out of 100 (4 credit, course work duration 48 hrs) will be distributed as:
 - i. Literature review (report of at least 50 papers) = 70 marks
 - ii. Seminar (presentation) = 30 marks
4. Marks of specialization subject (PPD 104) out of 100 (4 credit, course work duration 48 hrs) will be distributed as
 - i. Main paper =70 marks (written exam duration: 3 Hrs)
 - ii. Graded Assignment = 15 marks
 - iii. Seminar in department = 15 marks

3.10.3 SOP for Ph.D. Coursework

1. Duration and Completion of Coursework

- Every Ph.D. scholar must complete the prescribed coursework within one or two semesters from the date of admission (The date of admission shall be considered as the date of commencement of the coursework classes).
- Successful completion of course work includes qualifying in the Coursework Examination as per the academic calendar.

2. Attendance Requirement

- A minimum of 75% attendance in coursework classes is mandatory.
- Scholars who fail to meet the attendance requirement shall not be permitted to appear in the coursework examination.

3. Opportunity for Backlog Subjects

- If a scholar fails in any paper during the first semester, one more chance will be provided to appear for the remaining paper(s) in the second semester.

4. Recommendation of One NPTEL Course for Research Scholars

- As per UGC norms regarding NPTEL online courses offered through the MOOC platform (<https://swayam.gov.in/>), any research scholar may complete one approved NPTEL course as part of their coursework. Prior approval from the concerned Dean/Principal of the school and the Dean Research is mandatory. The credits earned will be transferred in accordance with the prescribed regulations.
- Additionally, any research scholar who has a backlog in a coursework examination may be permitted to clear one such course by successfully completing an NPTEL course following the same approval

process.

- All related documents (NPTEL fee slip, Completion certificate, copy of prior approval etc.) after successful completion must be submitted to the Dean (Research) for further process of Credit Transfer under CBCS and UGC-NEP 2020.

4. Re-registration for Coursework

- If a scholar fails to appear in the coursework examination in two semesters or fail in both semester course work exams, he/she has to re-register for the coursework with a fee of Rs. 10,000/-.
- The scholar has to attend all coursework classes again with a minimum attendance of 75%.

5. Qualifying Marks

- The qualifying mark for each subject is 50%, which is sum of both internal and external components.
- However, the scholar must secure a minimum of 40% marks individually in both internal and external components.
- To pass the coursework overall, the scholar must secure a minimum of 55% aggregate marks and at least 50% marks in each subject individually.

6. Examination Fee Structure

- The examination fee for the coursework is ₹3,000/-.
- The fee for a back paper is ₹1000/- per subject.

10.3.4 Course Work Syllabus

Paper-I: Research Methodology and Computer Applications

Course Code: PPD 101

(Common to All Faculty)

Time Duration: 3 hrs

M.M. - 100

Credit: 04

Unit	Syllabus	Hour
PPD 101-A (Research Methodology)		
1	Introduction to Research Methodology: Meaning of Research, Objectives of Research, Motivations in Research, Types of Research, Research Approaches, Significance of Research, Research Methods v/s Methodology, Research and Scientific Methods, Research Process, Criteria of Good Research	4
2	Defining the Research Problem: What is Research Problem? Selecting the Problem, Necessity of and Techniques in defining the problem	4
3	Sample Design: Implication, Steps. Criteria for selecting a sample procedure, Characteristics of Good sampling Procedure, Types of Sample Design, Selecting Random Samples, Complex random sampling Design	4
4	Methods of Data Collection: Collection of Primary Data, Observation Method, Interview method, Collection of Data through questionnaire and Schedules, Other methods. Collection of Secondary Data, Selection of appropriate method for data collection, Case Study Method, Guidelines for developing questionnaire, successful interviewing. Survey v/s experiment	4
5	Processing and Analysis of Data: Measures of Central Tendency, Dispersion, correlation and Regression, Chi- square test: Applications, Steps, characteristics, limitations, Analysis of Variance and Co-variance	4
6	Testing of Hypothesis: Meaning, Basic concepts, Flow diagram, Power of a hypothesis test, Important parametric tests, Hypothesis Testing of Means, hypothesis testing of Correlation coefficients, Limitations of Tests of hypothesis.	4
PPD 101-B (Computer Applications)		
7	Introduction to MS Excel- Features and functions of spreadsheet, creating spreadsheet and enter data, format worksheets, adding graphics, printing, Calculate, manipulate and analyse data, custom calculations, consolidating	2

	worksheets, pivot tables, charts, performing what - if analysis	
8	Introduction to UGCinfonet, INFLIBNET & ERNET, how to find relevant publications in Scopus, WOS, TR, SCI indexed journal, Arts & Humanities citation indexed, Social Science citation indexed etc.	4
9	Data Analysis Softwares & Analysis Techniques (SPSS) (Part-1)- Introduction-Background, Data Entry, Defining Variables, Variable and Value Labels, Entering Data. File Management- Saving an SPSS for Windows 7 File, Backing Up Your Data, Retrieving Data Files. Descriptive Statistics- Frequency Tables, Descriptive, Cross-tabulation, Three-way tables. Editing and Modifying the Data- Inserting Data, Deleting A Case, Inserting A Variable, deleting a Variable, Moving a Variable	6
10	Data Analysis Softwares & Analysis Techniques (SPSS) (Part II)- Constructing New Variables -Computing a New Variable, computing a New Variable by using built-in Functions, Computing Duration of Time Difference by built-in Functions, recoding a value, Selecting a Subset of the Data Graphics- Bar Charts, Histograms, Scatter Plots, Plotting a Regression Line on a Scatter Plot, Statistical Inference In SPSS-Introduction, Categorical Variable, the Chi-squared test and Fisher's Exact test. Continuous Outcome Measures-Comparison of Means Using a t-test Linear Regressions-Model Checking. Non-Parametric Methods Comparisons Of Related or Paired Variables-Continuous Outcome Measures, Analysis of Binary Outcomes that are Related, Related Ordinal Data. LOGISTIC. REGRESSIONS- Model Checking. SURVIVAL ANALYSIS, READING AN EXCEL FILE INTO SPSS, CREATING A SPSS SYNTAX	8
11	Basic Matlab, Simulation, Simulink	4
	Total	48

Paper-II: Research and Publication Ethics (RPE)

(Course for awareness about the publication ethics and publication misconduct)

(Course Code: PPD 102/CPE-RPE):

(Common to All Faculty)

Time Duration: 1.5 hrs

M.M. - 50

Credit: 02

Unit	Contents of the Course	Hour
I	Philosophy and Ethics: 1. Introduction to philosophy: definition, nature and scope, concept, branches 2. Ethics: definition, moral philosophy, nature of moral judgements and reactions	3
II	Scientific Conduct: 1. Ethics with respect to science and research 2. Intellectual honesty and research integrity 3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP) 4. Redundant publications: duplicate and overlapping publications, salami slicing 5. Selective reporting and misrepresentation of data	5

III	Publication Ethics: 1. Publication ethics: definition, introduction and importance 2. Best practices / standards setting initiatives and guidelines: COPE, WAME, etc. 3. Conflicts of interest 4. Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types 5. Violation of publication ethics, authorship and contributor ship 6. Identification of publication misconduct, complaints and appeals 7. Predatory publishers and journals	7
IV	Open Access Publishing: 1. Open access publications and initiatives 2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies 3. Software tool to identify predatory publications developed by SPPU 4. Journal finder/journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggested, etc.	4
V	Publication Misconduct A. Group Discussion (2hrs.) 1. Subject specific ethical issues, FFP, authorship 2. Conflicts of interest 3. Complaints and appeals: examples and fraud India and abroad B. Software tools (2hrs.) 1. Use of plagiarism software like Turnitin, Unkind and other open-source software tools	4
VI	Databases and Research Metrics: A. Databases (4 hrs.) • Indexing databases • Citation databases: Web of Science, Scopus, etc. B. Research Metrics (3hrs.) 1. Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score 2. Metrics: h-index, g index, i10 index, altmetrics	7
Total		30

Paper III: Literature Review in the Domain of Research

(Course Code: PPD 103)

Part-A: Format of Literature Review Report:

1. Relevant information on the article- importance, justification etc.
2. Summary of Literature Review
3. Identifying research gaps
4. Statement of research
5. Objectives, questions and hypothesis framing
6. Research design and methodology
7. Brief summary of finding and conclusion (based on the review of at least 50 research articles)
8. References

Part-B: Format of Power Point Presentation (PPT) (7-10 slides)

1. Introduction of Topic

2. Summary of Literature Review
3. Research Gaps
4. Statement of Research
5. Objectives
6. Research Methodology
7. Conclusion

Paper IV: Specialization Subject (Departmental Subject)

Syllabus can be received from convener of concern department or Research department

3.11 LEAVE AND ATTENDANCE (FOR FULL TIME RESEARCH SCHOLARS)

1. In addition to the holidays declared by the University, a Ph.D. candidate may avail leave up to thirty days during an academic year.
2. A Ph.D. candidate shall not be entitled to any inter-semester or winter breaks or summer vacations.
3. Maternity/Paternity leave shall be admissible as per the University rules, only once during the entire tenure of a candidate for Ph.D.
4. Attendance shall be recorded by concerned Supervisor and submitted to the office of the Dean Research after each semester.

3.12 REGISTRATION

Following are the guidelines for registration in Ph.D. Program:

1. The Research Advisory committee (RAC) finalization of the topic and approve the Synopsis within one year of enrolment.
2. For the registration the candidate shall be required to present and defend a synopsis of his/her proposed research work before the RAC who may either approve or may ask the candidate to resubmit the synopsis based on the suggestions/modifications made by it. The RAC may allow not more than three attempts to a candidate for defending the synopsis of the proposed research work after that it may recommend for cancellation of admission of the candidate for Ph.D. program.
3. Upon approval of the synopsis by the RAC, the application for registration shall be placed before the President who, after being satisfied with the candidate's requisite qualification and the subject offered can be well pursued for the Ph.D. Program, may permit the candidate to get himself/herself registered as a candidate for Ph.D. Program by fulfilling conditions, if any, prescribed by the university for registration and to undertake research work and produce a draft thesis within the stipulated time limit.
4. At the time of registration, the candidate will submit photocopies of his following documents to the office of Dean Research:
 - a. Mark-sheet/ Certificate of X/XII
 - b. Mark-sheet/ Certificate of PG/ M.Phil.
 - c. TC from the last Institute attended
 - d. Migration Certificate from the concerned University.
 - e. NOC from the concern organization if he/she is in working
5. Every candidate registered for Ph.D. Program shall be duly enrolled, unless he has already been enrolled once in the University, as a research candidate of the University on payment of prescribed fee and required documents in original.
6. She/he is required to register himself/herself (in person) on the scheduled date of registration. There shall not be any provision of deputing any representative

- by him/her for registration purposes. Further, she/he shall be required to register in all subsequent semesters till the submission of Ph.D. thesis.
7. She/he shall deposit the requisite fee in the accounts section at the time of registration in every semester with six monthly progress reports.
 8. The act of non-depositing of fees and/or not-completing the registration process as mentioned above on the scheduled dates shall be treated as the 'Voluntary Discontinuation' of studies by the Research Scholar. In such case, she/he will cease to be a bonafide student with immediate effect. The above instructions for registration shall be applicable to all Research Scholars admitted in the institute.
 9. Candidate need to produce Medical Fitness Certificate from a Govt. Hospital at the time of admission.
 10. Cancellation of Registration: The Dean Research may, on the recommendation of the Concern RAC and DRB, cancel the registration of a Ph.D. candidate on any one or more grounds of the following; namely, if-
 - a. two consecutive progress reports of the candidate are not satisfactory;
 - b. a student abstains from the Program for a continuous period of four weeks without prior information in writing to his supervisor;
 - c. the candidate fails to submit the thesis within the maximum period permitted;
 - d. the candidate resigns from the Ph.D. Program and his supervisor(s) recommend(s) cancellation of registration;
 - e. The candidate is found involved in an act of misconduct and/or indiscipline and the competent authority recommends his termination from the Program.

3.13 RE-REGISTRATION

- a. A candidate whose registration has been cancelled on any ground other than that provided in 3.11 (10) above may apply for re-registration for the Ph.D. Program and the University may register him afresh as a candidate without requiring him to appear at the entrance test and without undergoing the course work.
- b. A candidate whose thesis has been rejected by the examiners may be permitted to re-register himself/herself for Ph.D. degree on different topic to be approved and recommended by the concerned RAC.

3.14 DISCIPLINE OF REGISTRATION

The candidate shall be registered in the Discipline as per norms mentioned in the table below:

S. No.	Faculty in which to be enrolled	PG Qualification	Area of Ph.D.
1.	Faculty of Engineering & Technology	M.Tech/M. E	Computer Science & Engineering, Electronics & Communication Engineering, Electrical Engineering, Mechanical Engineering, Material Science and Technology, Civil Engineering, Geoinformatics, Disaster Management, Sustainable Development,
2.	Faculty of Sciences	M.Sc./MCA	Physics, Chemistry, Mathematics, Zoology, Botany, Computer

S. No.	Faculty in which to be enrolled	PG Qualification	Area of Ph.D.
			Sciences, Biotechnology, Microbiology, Biochemistry, Geoinformatics, Disaster Management, Sustainable Development,
3.	Faculty of Education	M.A. (Education), M.Ed.	Education
4.	Faculty of Pharmacy	M. Pharm.	Pharmacy
5.	Faculty of Management	MBA/ M. Com.	Management, Commerce
7.	Faculty of Humanities & Social Sciences	M. A.	Psychology, Geography etc.
8.	Faculty of Agriculture	M. Sc. (Agriculture)	Agronomy, Agriculture Chemistry & Soil Science, Horticulture Plant Breeding & Genetics, Extension Education
9	Faculty of Law	LLM	Law
10	Arts and Design	M.A., M.Sc, MBA, M.Tech or equivalent	Arts and Design

3.15 APPOINTMENT OF SUPERVISORS

Eligibility criteria to be a Research Supervisor, Co-Supervisor, Number of Ph.D. scholars permissible per supervisor, etc.

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 refereed 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 in the university where the faculty member is employed or in its affiliated Post- graduate Colleges/institutes. Such recognized research supervisors cannot supervise research scholars in other institutions, where they can only act as co- supervisors. Ph.D. awarded by a university under the supervision of a faculty member who is not an employee of the university or its affiliated Post- graduate Colleges/institutes would be in violation of these Regulations. Each application of appointment for the research supervisor will be scrutinized case to case.

For Ph.D. scholars working in Central government/ State government research institutions whose degrees are given by Higher Educational

Institutions, the scientists in such research institutions who are equivalent

to Professor/Associate Professor/Assistant Professor can be recognized as supervisors if they fulfil the above stipulated requirements for acting as PhD supervisor of Suresh Gyan University.

Provided that in areas/disciplines where there is no, or only a limited number of peer-reviewed or refereed journals, the university 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 case of interdisciplinary/multidisciplinary research work, if required, a co-Supervisor from outside the Department/School/Centre/College/University may be appointed.
- (3) An eligible Professor/Associate Professor/Assistant Professor can guide up to eight (8) / six (6) / four (4) 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 scholar 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 a co-supervisor after superannuation, but not after attaining the age of 70 years.**
- (6) No Supervisor shall guide any of his close relatives as specified by the university.
- (8) The University may permit, on the recommendation of RAC approved by the DRB, appointment of a caretaker supervisor in special circumstances such as a supervisor proceeding on long leave of six months or more and the like.
- (9) A new supervisor may be appointed by the DRB on the recommendation of RAC in the event of death, or prolonged illness of the supervisor or if inability to guide is expressed by the supervisor on or after his superannuation or resignation from the services of the University.
- (10) Any request for change of Supervisor(s) is highly discouraged and may only be considered under exceptional circumstances only within 18th Month of first registration. The request for change of Supervisor(s) may be submitted to Dean- Research through concern RAC Chairman with his/her recommendations on the basis of statements of concerned Supervisor(s) as well as Research Scholar.
- (11) **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 above.**

3.16 CONVERSION OF CANDIDATURE

The University may, on the application of a part-time candidate, register him as a full-time candidate or allow a full-time candidate to be registered as a part-time candidate for the Ph.D. Program provided all other conditions for such candidature are fulfilled to the satisfaction of the RAC.

3.17 PROGRESS REPORT

1. Till the submission of the thesis each candidate registered for the Ph.D program shall submit periodically six monthly progress report in the prescribed format to the Supervisor(s)/RAC. The candidate shall be registered in the next semester only if the progress report for the previous semester has been received.
2. The RAC shall evaluate the progress report of the Ph. D. candidate and submit the report to the President through Dean-Research with a copy to the concerned candidate.
3. If the candidate does not submit his/her progress report in particular semester then his/her minimum period for the award of degree shall be extended by six months.
4. The Progress report (format given below) duly signed by the supervisor and co-supervisor if any will be accepted for submission only after delivery of presentation about progress of research work through PPT in presence of Supervisor and External Experts every six months in RAC meeting.

Progress report format can be downloaded from SGVU website

3.18 CHANGE OF RESEARCH TOPIC

A candidate ordinarily shall not be permitted to change his research topic during the course of the research work once it has been approved by the RAC. However, if an occasion arises due to technical difficulties, the President may, on the recommendation of the RAC and the DRB, permit any modification of the topic within a period of one year (and not thereafter) from the date of registration. The University may permit the candidate to submit his thesis after two years of such modification or change of topic.

3.19 SUBMISSION OF THESIS

Upon satisfactory completion of course work, and obtaining the marks/grade as prescribed above, as the case may be, the Ph.D. scholar shall be required to undertake research work and produce a draft thesis within a reasonable time, as stipulated by the Institution concerned based on these Regulations

The candidate shall be liable to submit the copy of thesis to the Controller of examination four printed copies of his thesis along with soft copy of the same.

Candidates shall not be allowed to submit the thesis to the University for its evaluation unless he/she has: -

3.19.1 Publications

To qualify for Ph.D. thesis submission at Suresh Gyan Vihar University after two and a half years from the date of admission (The date of admission is the date of commencement of coursework classes), research scholars must fulfill one of the following minimum criteria:

- **Option A:** 01 SCI indexed paper (Q1/Q2) + 01 peer-reviewed/Scopus/Web of Science publication + 02 national/international conference certificates.

- **Option B:** 02 Scopus/Web of Science publications reflected in Author ID + 02 national/international conference certificates.
- **Option C:** 02 Scopus-indexed conference papers or book chapters/books reflected in Scopus Author ID + 02 peer-reviewed/Scopus/Web of Science publications + 02 national/international conference certificates.
- **Option D:** 01 patent granted + 01 Scopus/Web of Science publications + 01 peer-reviewed/ Scopus/Web of Science publications + 02 national/international conference certificates.
- **Option E:** 01 project/consultancy (Minimum Rs. 5 lakhs) + 01 Scopus/Web of Science publications + 01 peer-reviewed/ Scopus/Web of Science publications + 02 national/international conference certificates.

Important Notice:

- Mixing or merging of criteria is not permitted.
- All publications, patents, projects, consultancy **affiliation must be attributed to Suresh Gyan Vihar University only.**
- The project or consultancy amount must be deposited only in the account of Suresh Gyan Vihar University.
- The inventor or co-inventor must be **affiliated with Suresh Gyan Vihar University for patent.**

This is mandatory for all research scholars to fulfill all aforesaid conditions regarding publication of research work before submission of thesis duly signed and verified by their supervisor and countersigned by Principal/Vice-principal/HOD of the faculty concerned.

3.19.2 Pre-Submission

Upon satisfactory completion of course work and obtaining the marks/grade prescribed in clause (4) of Regulation 10 above, the Ph.D. scholar shall be required to undertake research work and produce a draft dissertation/thesis.

(2) Before submitting the dissertation/thesis with fulfilling all the criteria of publications and pre-plagiarism report of draft thesis, the Ph.D. scholar shall make a presentation before the Research Advisory Committee (RAC) of his/her research work, which shall also be open to all faculty members and other research scholars/students.

A certificate duly signed by the supervisor stating the suggestions (if any) given by the RAC have been incorporated in the draft thesis. Submitted one soft copy of the draft thesis to the office of Dean Research for plagiarism check.

3.19.3 Plagiarism

a. The plagiarism test will be done as:

Part 1: Non-Core Chapters- The None core work shall be introduction, review of literature and methodology. Plagiarism limit allowed 10%.

Part 2: Core Chapters- The core work shall include abstract, summary, hypothesis, observations, results, conclusions and recommendations. Zero tolerance policy will be applicable in core area.

b. Research Publication from the Platform of SGVU- All research publications in which any of the member of the University designated as member of university in capacity of research student, UG/ PG student, faculty or any other staff, shall be submitting his/her work to get checked plagiarism from Dean Research before

submission of work and using name of the University. No charges shall be applicable for this at first place. Only after the clearance for plagiarism it will be allowed to use the name of university for any publication.

Guidelines for section a & b

Similarity checks for exclusion from Plagiarism- The similarity checks for plagiarism shall exclude the following:

- All quoted work either falling under public domain or reproduced with all necessary permission and/or attribution.
- All references, bibliography, table of content, preface and acknowledgements.
- All small similarities of minor nature.
- All generic terms, laws, standard symbols and standards equations.
- The plagiarism due to self (student's own published work out of the dissertation) publications could be deducted from total plagiarism %.

3.19.4 Student and Supervisor Declaration

The thesis shall have an undertaking from the research scholar and a certificate from the Research Supervisor attesting 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 of the same institute where work was carried out, or to any other institution.

3.19.5 Colour Coding & Medium of Thesis

The colour of the thesis cover in various disciplines shall be as follows:

- Faculty of Management and Commerce-cream (FAECC7)
- Faculty of Engineering and Technology-orange (#FFA268)
- Faculty of Education-pink (#FFCEFD)
- Faculty of Pharmacy-green (#22BD7B)
- Faculty of Sciences-blue (#91D5F8)
- Faculty of Agriculture-grey (#808080)

The candidate shall follow the colour code strictly.

The thesis shall be in English or as per the recommendation by the Research Advisory Committee (RAC).

3.19.6 Document Required

The candidates shall also submit the following documents together with thesis:

- a. A 'no dues' certificate duly signed by the Head of the Department, Library, Finance Department, Hostel Warden, and Sports Officer, shall be submitted along with the thesis.
- b. The thesis submission fees receipt.

3.20 APPOINTMENT OF EXAMINERS

1. The supervisor shall prepare and suggest to the President, before three months of the likely date of submission of the thesis by the student together with summery of thesis and, a panel of eight evaluators from outside the University not below the rank of Associate Professor or equivalent position in State/Central University/National Laboratories/ Research Centres established by ICAR/ICMR/CSIR etc. The panel of eight examiners may include minimum two evaluators from top National level institutions like IIT/IIM/NIT etc. The panel shall also include not less than three names of experts from outside the state.

If necessary, the President may call for additional name(s) for the panel from the supervisor. The panel submitted should include relevant information of the evaluator like designation, field of expertise full postal and e-mail addresses, basic and cell phone number. The supervisor shall give a certificate to the effect that the names suggested in the panel are not close relatives either of the supervisor himself or of the candidate and they are experts in the area of thesis.

2. The President shall appoint two external examiners, from the panel of eight examiners submitted by the supervisor, out of which one shall be from outside the state or even the country from out of the panel submitted as (1) above.
3. The university shall obtain the consent of the examiners so appointed by the President by sending the offer letters together with summary of the thesis.

3.21 EVALUATION OF THESIS

A Ph.D. scholar shall submit the thesis for evaluation, along with (a) an undertaking from the Ph.D. scholar that there is no plagiarism and (b) a certificate from the Research Supervisor attesting to the originality of the thesis and that the thesis has not been submitted for the award of any other degree/diploma to any other Higher Educational Institution.

1. The University shall, after obtaining the consent of the examiners appointed by the President out of the panel submitted by the supervisor, dispatch a copy of the thesis produced and submitted by the candidate to each one of them to send their evaluation report to the Dean Research within a period of two months of the receipt of the thesis.
2. If no consent is received from the examiner within a month, a new examiner shall be appointed by the President out of the panel.
3. The examiner shall be required to send his/her report on the prescribed form clearly stating that the:
 - a. Thesis is recommended for the awarded for the degree of the Ph.D. or
 - b. Thesis is recommended for the awarded for the degree of the Ph.D. subjected to the candidate giving satisfactory answers to queries or
 - c. Candidate be required to submit his thesis in the revised form or
 - d. Thesis is rejected.

(5) 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 Higher Educational Institution concerned. Such examiner(s) 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. 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. Higher Educational Institutions may formulate appropriate rules/ordinances to effect the provisions of this Regulations.

(6) 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.

(7) The Research Department 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

3.22 VIVA VOCE EXAMINATION

1. The President shall, on receipt of satisfactory evaluation reports from the examiners, appoint
 - a. An external examiner from out of the two external examiners who evaluated the thesis for conducting the viva-voce examination. However, if both the examiners are not available, the President may, for reasons to be recorded in writing, appoint a new examiner from out of the existing panel; and
 - b. a viva-voce committee consisting of the supervisor and external examiner.
2. The supervisor shall fix a suitable date for the viva-voce examination with the external examiner. The Dean Research shall, on the request of the Supervisor, notify the day, time, and place at least ten days in advance to all concerned.
3. The Dean Research shall be responsible for the proper conduct of the viva-voce examination.
4. At such viva-voce examination the candidate shall be required to openly defend his research work in presence of both the examiners, teachers, research candidates of the University who may be invited to witness and make queries, if any, strictly relating and relevant to the topic of research. The Research department shall obtain signature of all the officers present at the time of viva-voce examination.
5. The viva-voce examiners shall, at the very outset of the examination, will be informed about the comments and recommendations made by the examiners.
6. The Viva-Voce committee shall submit a comprehensive report on the performance of the candidate on the viva-voce examination and recommend that:
 - The degree of Ph.D. be awarded; or
 - The candidate be re-examined at a second viva-voce to be conducted not before three months but not later than six months, or
 - The degree be not awarded and the thesis be rejected.

3.23 AWARD OF Ph.D. DEGREE

The reports of the examiners (including those of the Viva-Voce committee) shall be placed before the President for acceptance or rejection, as the case may be, of the thesis on behalf of the Board. The President shall report the same to the Board through Academic Council for confirmation.

3.24 SUBMISSION OF A SOFT COPY OF THESIS

The University shall, within a period of thirty days, after the successful completion of the evaluation process and notification of the award of Ph.D. degree to a candidate, submit a soft copy of the approved Ph.D. thesis to the UGC for hoisting the same in INFLIBNET etc., to make the research work accessible to other Universities/institutions.

The candidate will have to submit a soft copy of the thesis in pdf file format within a week of the announcement of the award of the Ph.D. degree. The soft copy submitted will be other than the soft copy submitted for plagiarism check. The soft copy shall cover the following in pdf file format in the following order:

1. Title Cover
2. Various Certificates
3. Acknowledgement
4. List of Contents
5. List of tables
6. List of figures
7. Chapter I, II.....etc
8. Appendix
9. References
10. List of Publications

3.25 Ph.D. THROUGH PART-TIME MODE

1. Ph.D. programmes through part-time mode will be permitted, provided all the conditions stipulated in these Regulations are fulfilled.
2. The Higher Educational Institution concerned shall obtain a “No Objection Certificate” through the candidate for a part-time Ph.D. programme from the appropriate authority in the organization where the candidate is employed, clearly stating that:
 - The candidate is permitted to pursue studies on a part-time basis.
 - His/her official duties permit him/her to devote sufficient time for research.
 - If required, he/she will be relieved from the duty to complete the course work.
3. Notwithstanding anything contained in these Regulations or any other law, for the time being in force, no Higher Educational Institution or research institution of the Central government or a State Government shall conduct Ph.D. programmes through distance and/or online mode.

3.26 ISSUING OF PROVISIONAL CERTIFICATE

1. Till the time the Ph.D. degree is conferred on the candidate, the University shall, on the application of the student, issue to him a Provisional Certificate for its intended use.
2. The University shall ensure that both, the Provisional Certificate and the Ph.D. degree, contains an express statement to the effect that the Degree has been awarded in accordance with the provisions of UGC (**Minimum Standards and Procedure for Award of Ph.D. Degree**) regulations, 2016.

3.27 AWARD OF Ph.D. DEGREES PRIOR TO NOTIFICATION OF THESE REGULATIONS

Award of degrees to candidates registered for the Ph.D. programme on or after July 11, 2009, till the date of Notification of these Regulations shall be governed by the provisions of the UGC (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degree) Regulations, 2009 or the UGC (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degrees) Regulations, 2016 as the case may be. Further, the award of degrees to candidates already registered and pursuing Ph.D. shall be governed by these Regulations or UGC (Minimum Standards and Procedure for Award of

M.Phil./Ph.D. Degree) Regulations, 2016. Nothing in these Regulations shall impact the M.Phil. degree programmes commencing prior to the enactment of these Regulations.

3.28 DEPOSITORY WITH INFLIBNET

Following the successful completion of the evaluation process and before the announcement of the award of the Ph.D. degree(s), the Research Department shall submit an electronic copy of the Ph.D. thesis to INFLIBNET, for hosting the same so as to make it accessible to all the Higher Educational Institutions and research institutions.

3.29 RESERVATION /RELAXATION

Reservation in admission to Ph.D. Program for students belonging to SC/ST/OBC/PH and other such like categories shall be implemented as prescribed by the Government of India/State of Rajasthan.

3.30 REQUIREMENTS TO BE FULFILLED BY COLLEGES FOR GETTING RECOGNITION FOR OFFERING PH.D. PROGRAM

1. In case of science and technology disciplines, exclusive research laboratories with sophisticated equipment as specified by the Institution concerned with provision for adequate space per research scholar along with computer facilities and essential software, and uninterrupted power and water supply;
2. Earmarked library resources including latest books, Indian and International journals, e-journals, extended working hours for all disciplines, adequate space for research scholars in the Department/ library for reading, writing and storing study and research materials;
3. Colleges may also access the required facilities of the neighboring Institutions/Colleges, or of those Institutions/Colleges/R&D Laboratories /Organizations which have the required facilities.

3.31 INTERPRETATION

In case any question arises regarding interpretation of these provisions, the matter may be referred by the President to the Chairperson whose decision thereon shall be final.