



MOTHERHOOD
UNIVERSITY, Roorkee
ENLIGHTENING WORLD

Doctor of Philosophy (Ph.D.) Ordinance, 2023
Regular & Part-Time

Applicable from June 2023 Batch

Amended as per UGC Regulation/Notification,
November 7, 2022

DIRECTORATE OF RESEARCH
MOTHERHOOD UNIVERSITY
ROORKEE

Message

Dear Research Scholars,

I hope this message finds you well. It is with great pleasure that I write to inform you about an important development regarding our Ph.D. program. As the Vice Chancellor of this esteemed institution, I am committed to ensuring the highest standards of education and research, and I believe that this new ordinance will contribute significantly to that goal.

After careful consideration and consultation with our academic community, we have recently approved and implemented a revised Ph.D. course ordinance. This ordinance is designed to enhance the quality, rigor, and relevance of our Ph.D. programs, aligning them with global standards and emerging trends in research and academia.

I believe that these changes will not only elevate the quality of our Ph.D. programs but also better prepare you, our future scholars, for a successful and impactful career in academia and beyond.

I encourage you to familiarize yourself with the new ordinance and actively engage with your advisors and mentors to ensure a smooth transition. Your feedback and suggestions are always valued and can help us refine and improve our programs further.

Thank you for your dedication to your research and our institution. I have every confidence that with these changes, our Ph.D. programs will continue to produce outstanding scholars and contribute significantly to the advancement of knowledge.

With best wishes,



Prof. (Dr.) Narender Sharma
Vice-Chancellor

Message

Dear Researchers,

I hope this message finds you in good health and high spirits as you embark on a transformative journey towards academic excellence and intellectual growth. I am delighted to share some exciting news and extend my heartiest wishes for your forthcoming doctoral pursuits.

First and foremost, I want to express my deep appreciation for your unwavering commitment to pursuing a Ph.D., a path that demands not only intellectual prowess but also resilience, determination, and an unquenchable thirst for knowledge. Your presence enriches our academic community, and your contributions to research are highly valued.

I am pleased to introduce a new Ph.D. course ordinance w.e.f. June 2023 batch, meticulously designed to provide you with the most enriching and rewarding academic experience possible. This Ordinance is designed taking into consideration UGC (minimum standards and procedures for the award of Ph.D. Degree) regulations, 2022. This ordinance will be a guidepost for your research endeavor. This ordinance reflects our commitment to ensuring that your journey towards a doctorate is marked by excellence, support, and a strong research foundation.

As you embark on this transformative journey, remember that challenges are opportunities in disguise. Your dedication and hard work will not only lead you to the coveted title of ‘Doctor’ but will also contribute to the advancement of human knowledge.

I want to extend my best wishes to each and every one of you. May your research be fruitful, your days be filled with intellectual curiosity, and your journey be marked by success and personal growth. You are the future thought leaders and change-makers, and I have no doubt that you will rise to the occasion.

Please do not hesitate to reach out to me or your supervisor should you require any guidance or support during your Ph.D. journey. We are here to assist you every step of the way.

Once again, congratulations on embarking on this extraordinary journey. Make the most of this opportunity, and I look forward to witnessing your achievements and contributions to the world of academia.

Jai Hind!



Prof. P. K. Agarwal

Director Research

GENERAL

In exercise of the powers conferred by Uttarakhand Government Act 05 of 2015 under relevant provisions(s) of the act and statutes of the University, the Doctor of Philosophy (Ph.D.) ordinance has been amended to regulate the minimum standard and procedures for the award of Ph.D. degree in conformity with the University Grants Commission Act, 1956 (3 of 1956). 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 or UGC (minimum standards and procedures for the award of Ph.D. Degree) regulations, 2022 as the case may be.

Short Title and Commencement –

1. This ordinance may be called “The Motherhood University, Roorkee, Doctor of Philosophy Ordinance, June-2023”
2. It shall be deemed to have come into force from June-2023.
3. As per the U.G.C clarification regarding “Regular Mode”. The University will conduct Ph. D. through full time & Part time mode & it shall not conduct the Ph.D. Program through distance education mode.

PREAMBLE

Motherhood University, Roorkee offers academic programs leading to the award of Ph.D. Degree through its various Faculties. The Doctoral Programme (Ph.D.) is focused on acquiring in-depth knowledge and expertise in the research field. The award of Ph.D. degree is in recognition of high academic achievements, independent research, and application of knowledge to the solution of technical and scientific problems in various disciplines. The academic program leading to the Ph.D. degree includes coursework and a research thesis. The University also encourages interdisciplinary research and provides excellent opportunities for such programs.

The degree of Doctor of Philosophy shall be abbreviated as Ph.D. which is granted for research work in areas recognized by various Faculties of the University as well as by the Directorate of Research in the other areas also for which no Faculty has been established but a supervisor for other Faculty can be facilitated by the University due to interdisciplinary nature of the research.

The degree of Doctor of Philosophy (Ph.D.) shall be awarded to a research Scholar, who shall fulfil all the requirements specified in this ordinance, after approval of the Board of Governors on the recommendation of the Academic Council and Board of Management.

1. DEFINITIONS AND NOMENCLATURE

In the Ordinance, unless the context otherwise requires:

- ‘University’ shall mean Motherhood University, Roorkee.
- ‘RDC’ shall mean Research Degree Committee.
- ‘RAC’ shall mean Research Advisory Committee.
- ‘DRCC’ shall mean Departmental Research Co-ordination Committee.
- ‘Research Supervisor’ shall mean any Faculty member of the University who has been recognized by the University to supervise the Research Scholars.
- ‘Research Scholar/Scholar’ includes the candidate admitted by the University either under full-time or part-time category.
- ‘Course Work’ shall mean theory subjects prescribed for the Scholar to undergo as a part of the Ph.D. Programme to impart the knowledge of research methodology and analytical skills requisite for carrying the research project.
- ‘Faculty/Department’ shall mean and include all Faculty instituted by the University in various subjects like Faculty of Agriculture, Faculty of Education, Faculty of Science etc.
- ‘Credit’ means the number of hours of instruction required per week over a semester. A three-credit course in a semester means three one-hour lectures per week, with each one- hour lecture counted as one credit.
- ‘Degree’ means a degree awarded by the University.
- ‘External examiner’ means an academician/researcher with published research work who is not part of the Higher Educational Institution where the Ph.D. scholar has registered for the Ph.D. program.
- ‘Interdisciplinary Research’ means research conducted by a Ph.D. scholar in two or more academic disciplines.
- ‘Plagiarism’ means the practice of taking someone else’s work or idea and passing them as one’s own.
- ‘Programme’ means the University pursued a degree specified by the University Grants Commission.
- ‘Research Proposal’ means a brief write-up giving an outline of the proposed research work which the Ph.D. scholar shall submit along with the application for registration for the Ph.D. program.

2. ELIGIBILITY

- a) Eligibility Criteria for Candidate aspiring for Full Time Regular Ph.D.:
The candidate shall be eligible for admission to the Ph.D. program, if:
 1. Candidates who have completed 1 year/ 2 semester Master’s degree program after a 4 year/ 8 semester bachelor’s degree program or a 2 year/ 4 semester master’s degree program after a 3- year bachelor’s degree

program 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.

2. 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.
3. Provided that a candidate seeking admission after a 4 year/ 8 semester bachelor's degree program 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 and Economically Weaker Section (EWS).
4. If any employed person from Government and Non-Government organization / College / University wants to seek admission in the doctoral program, he/she must have to produce a No Objection Certificate (NOC) from the employer to the effect that the duties allotted by the employer shall allow the required time for him/her to pursue the Ph.D. Program and may be permitted to register. However, the Research Scholars shall produce the NOC from the employer certifying the leave from six months from Institution which is required to complete the course work on a full time basis. The NOC must also contain the permission for regular visiting the University as and when desired by the supervisor and he will give attendance to the supervisor.
5. Notwithstanding anything contained in the Ordinance, the eligibility criteria/guidelines prescribed and /or issued by the University Grants Commission (UGC) or any other statutory body from time to time shall also apply for registration to the Ph.D. Program of this University.
6. Candidates who have completed the M.Phil. Program with at least 55% marks in aggregate or its equivalent grade shall be eligible for admission to the Ph.D. program. A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer) / Differently - Abled and Economically Weaker Section (EWS).

b) Eligibility Criteria for Candidate aspiring for Part-Time Ph.D.:

A candidate must have Bachelor's and Master's degree in any stream to be eligible for part time Ph.D. The candidate should have a minimum of one year of work experience in any related field.

A candidate seeking admission after a 4 year/ 8 semester bachelor's degree program 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 and Economically Weaker Section (EWS).

If any employed person from Government and Non-Government organization/College/ University wants to seek admission in the doctoral program, he/she must have to produce a No Objection Certificate (NOC) from the employer for a part-time Ph.D. programme from the appropriate authority in the organization where the candidate is employed, clearly stating that:

- a) The candidate is permitted to pursue studies on a part-time basis.
- b) His/her official duties permit him/her to devote sufficient time for research.
- c) If required, he/she will be relieved from the duty to complete the course work.

Ph.D. programme through part-time mode will be permitted, provided all the conditions stipulated in these Regulations are fulfilled.

3. PROCEDURE FOR ADMISSION

1. Only the pre-determined number of Research Scholars Shall be admitted to Ph.D. Programme as per the available vacant seats.
2. As per the State reservation policy of Uttarakhand, forty percent (40%) seats shall be reserved for the permanent residents of the State of Uttarakhand. If the reserved seats are vacant due to non- availability of eligible Research Scholar, then the said vacant seats may be filled from other scholars from other States.
3. 26% rebate will be given to permanent residents for Uttarakhand State only on the tuition fee fixed by the University.
4. The University shall invite applications twice in a year, generally in the month of June & December (once in each semester) for admissions to this programme through advertisement.

The Research Scholar shall apply for admission in the prescribed application form which may be downloaded from the website of the University www.motherhooduniversity.edu.in or obtained from the reception counter of the University and send to: “The Directorate of Research, Motherhood University, Roorkee- Dehradun Road, Village-Karoundi, Post-Bhagwanpur, Tehsil- Roorkee, District- Haridwar, Uttarkhand, Pin-247661, India” or may directly submit to the Directorate of Research along with all credentials and requisite non- refundable Application Fee. The copy of documents to be attached with the application form shall be:

- Mark sheets of High School/ 10+2/ Diploma with Certificates.
- Mark sheets of all semesters/years of graduation and post-graduation along with degrees.
- Document in favour of any exemption listed in clause 3.1
- Aadhar Card, State Domicile, Caste Certificate in case of any benefit required in particular category.
- Migration Certificate.

- Four coloured passport size photographs.
- NOC in original obtained from the employer, in case the applicant is employed.

4. METHODS OF ADMISSION

Admission to the Ph.D. programme shall be made using the following methods:

- 4.1 Students who qualify for fellowship/scholarship in UGC- NET/UGC-CSIR NET/ GATE/ CEED and similar National level tests will be exempted from RAT. Their evaluation will be based on two parts. The first part (70%) would be on the basis of Graduation (30% weightage) & Post graduation marks (40% weightage) and second part (30%) would be on interview basis.
- 4.2 Candidates who have successfully completed their M.Phil from any University recognized by the University Grants Commission (UGC).
- 4.3 And/or University shall conduct an Entrance Test for the Ph.D. admission against vacant seats.
 - a) The maximum marks for the entrance examination would be 100. RAT written paper should be 70 Marks and Personal Interview will comprise of 30 Marks.
 - b) RAT paper will be divided into two parts. The First part will be Research Aptitude of 20 Marks while the second part will belong to specific subject and will have 50 marks weightage.
 - c) The Duration of the examination would be a maximum of 120 minutes though there is no boundation of time on either of the parts of the question paper.
 - d) The whole RAT will be having multiple choice questions in both parts, Part-A (Research Aptitude) and Part-B (Specific Subject). 70 multiple choice questions of marks value 1 from both the parts are to be asked.
 - e) Part A will be common to Research aspirants
 - f) The qualifying marks of the RAT examinations will be 50% of the total marks of entrance examination to qualify the interview.
 - g) There would not be any negative marking in the evaluating question in the RAT examination.
 - h) A relaxation of 5% marks will be allowed in the entrance examination for the candidates belonging to SC/ST/OBC/differently-abled category, and Economically Weaker Section (EWS).

- i) University may decide the number of eligible students to be called for an interview based on the number of Ph.D. seats available.
- j) The Controller of Examination will get the list of qualified candidates approved by the Vice-Chancellor and send the approved copy to the Directorate of Research.
- k) Research Aptitude Test (RAT) Score card shall be valid for that batch. If student fails to take admission through that RAT, she/he has to appear & qualify again in the next RAT entrance examination, if he/she wants to take admission.
- l) Research Aptitude Test (RAT) shall be followed by Personal Interview and Document Verification by the Directorate of Research in which all aforesaid original documents shall be checked and verified and a set of self-attested photocopies of those documents shall be submitted by the candidate.
- m) After verifying all the original documents and submission of the photo copies, including migration certificate or any other document issued by statutory organisation, the candidate shall be issued Enrolment number. In case of non-availability of the original documents, no admission will be allowed subject to the discretion of the Vice-Chancellor.
- n) The list of selected candidates shall be approved by the Vice Chancellor.
- o) The Research Scholars shall be allotted a Supervisor by the Directorate of Research forwarded by DRCC Chairman with the approval of the Vice-Chancellor.
- p) The Supervisors will guide and make aware the Research Scholars about the rules and regulations regarding completion of Ph.D.
- q) The Research Supervisor of the Scholar will finalize the topic of research project.
- r) After the preparation of synopsis, the Research Supervisor will check it thoroughly and forward it to the Directorate of Research through Chairperson, DRCC for conducting the RDC meeting of the said Research Scholar.
- s) After receiving the proposal to conduct RDC from Chairperson, DRCC, the Directorate of Research shall get the same approved by the Vice-Chancellor.
- t) The final date of RDC shall be communicated to the Chairperson, DRCC of the concerned Faculty, Research Supervisor and the Research Scholars.
- u) The RDC meeting shall be conducted by the Directorate of Research on the prescribed date as per the academic calendar. In case of special cases, the Hon'ble Vice- Chancellor can give permission to conduct special RDC for scholars. In case the synopsis is approved by the RDC with minor suggestions, the Research Scholar shall submit four spiral bounded copies of the synopsis duly signed by Supervisor, Co-Supervisor, DRCC Chairman and Research scholar on each page, to the Directorate

of Research through DRCC Chairman and in case of major revision and alterations, the research scholar shall submit the revised one within 15 days of the RDC meeting. If the same is not submitted within the prescribed period, then the Research Scholar shall have to appear again in next RDC meeting.

- v) After that, the Directorate of Research shall issue the Registration number to the Research Scholar.

5. DURATION

For Ph.D. Regular Programme

Ph.D. The program shall be for a minimum duration of three years, including coursework, and a maximum duration of six years from the date of admission to the Ph.D. program. On regular basis researcher would be completing research work at University campus.

A maximum of an additional two years can be given in special approval of Chairman of RAC of the Motherhood University; however, the total period for completion of Ph.D. program should not exceed eight years from the date of admission in the Ph.D. program.

Provided further that, female Ph.D. scholars and Persons with Disabilities (having more than 40% disability) may be allowed an additional relaxation of two years; however, the total period for completion of Ph.D. program in such cases should not exceed ten years from the date of admission in the Ph.D. program.

Female Ph.D. Scholars may be provided Maternity Leave/Child Care Leave for up to 240 days in the entire Duration of the Ph.D. program.

For the Ph.D. Part-Time Programme

Ph.D. The Part-Time program shall be for a minimum duration of four years including coursework, and a maximum duration of six years from the date of admission to the Ph.D. Program.

A maximum of an additional two years can be given in special approval of Chairman of RAC of the Motherhood University; however, the total period for completion of a Ph.D. program should not exceed eight years from the date of admission in the Ph.D. program.

Provided further that, female Ph.D. scholars and Persons with Disabilities (having more than 40% disability) may be allowed an additional relaxation of two years; however, the total period for completion of a Part Time Ph.D. program in such cases should not exceed ten years from the date of admission in the Ph.D. program.

Female Ph.D. Scholars may be provided Maternity Leave/ Child Care Leave for up to 240 days in the entire Duration of the Ph.D. program.

6. PROCESS OF RESEARCH WORK:

The journey of research work will start after the admission of the candidate approved by Vice-Chancellor. The process of research work involves the following steps:

Step 1: Clearance of RAT written test and Document Verification and Personal Interview and admission of Research Scholar

Step 2: Conduction of Course Work Classes as per academic calendar and Clearance of Course Work Exam (75% Attendance is Mandatory). The classes can be conducted in Online mode or Offline mode as guided by Hon'ble Vice-Chancellor.

Step 3 :

- a) The Research Scholars shall be allotted a Supervisor by the Directorate of Research with the approval of the Vice-Chancellor.
- b) The Supervisors will guide and make aware Research Scholars about the rules and regulations regarding the completion of Ph.D.
- c) The Research Supervisor of the Scholar will finalize the research project topic.
- d) After the preparation of the synopsis, the Research Supervisor will check it thoroughly and forward it to the Directorate of Research through the Chairperson, DRCC for conducting the RDC meeting of the said Research Scholar.
- e) After receiving the proposal to conduct RDC from the Chairperson, DRCC, the Directorate of Research shall get the same approved by the Vice-Chancellor.
- f) The final date of RDC shall be communicated to the Chairperson, DRCC of the concerned Faculty, Research Supervisor and the Research Scholars.
- g) In RDC, the scholar would prepare PPT presentation of his proposed research work and will respond to the queries of the external examiner.
- h) The RDC meeting shall be conducted by the Directorate of Research on the prescribed date as per the academic calendar. In case of special cases, the Hon'ble Vice Chancellor can give permission to conduct special RDC for scholars. In case the synopsis is approved by the RDC with minor suggestions, the Research Scholar shall submit four bounded copies of the synopsis duly signed by the Supervisor, Co-Supervisor (if any), DRCC Chairman, and Research scholar on each page, to the Directorate of Research through DRCC Chairman and in case of major revision and alterations, the research scholar shall submit the revised one within 15 days of the RDC meeting. If the same is not submitted within the prescribed period, then the Research Scholar shall have to appear again in the next RDC meeting.
- i) After that, the Directorate of Research shall issue the Registration number to the Research Scholar.

Step 4 : Research work starts and Research Scholar has to be in continuous touch with the supervisor and DRCC Chairman

Step 5:

- a) Research scholar will submit the First Progress Report Six months after the issue of Registration number to the supervisor who will send it to the DRCC chairman after incorporating his comments. DRCC Chairman will forward this progress report after putting his comments and duly signed and stamped to the Directorate of Research.
- b) Research scholar will submit the Second Progress Report Six months after the issue of Registration number to the supervisor who will send it to the DRCC chairman after incorporating his comments. DRCC Chairman will forward this progress report after putting his comments and duly signed and stamped to the Directorate of Research.
- c) Research scholar will submit the Third Progress Report Six months after the issue of Registration number to the supervisor who will send it to the DRCC chairman after incorporating his comments. DRCC Chairman will forward this progress report after putting his comments and duly signed and stamped to the Directorate of Research.
- d) Research scholar will submit the Forth Progress Report Six months after the issue of Registration number to the supervisor who will send it to the DRCC chairman after incorporating his comments. DRCC Chairman will forward this progress report after putting his comments and duly signed and stamped to the Directorate of Research.
- e) Research scholar will submit two Research Paper Published preferably in UGC CARE – I, II, Scopus, SCI, Elsevier, Springer, NAAS Journal- As per the topic of the Research (Any Time after RDC and before Pre-Submission of the Thesis)
- f) Research scholar will submit two Research Paper Presentation in a Seminar/Conference - As per the topic of the Research (Any Time after RDC & before Pre-Submission of the Thesis)

Stage 6:

- a) Research scholar will Submit the draft Thesis for pre-submission with requisite annexures mentioned in Ordinance and Manual.
- b) In Pre-submission presentation, the scholar would prepare PPT presentation of his research work and will respond to the queries of the external examiner.
- c) Research scholar will Submit the modified thesis (If suggested) - Within 01 months of Pre-Submission report by the external Examiner.

Stage 7: Directorate of Research will Dispatch of Thesis for Evaluation by three External Examiners -Within 01 Month after Submission of Thesis (after modification, if any).

Stage 8:

- a) After getting the reports from External Examiners, the research scholar will incorporate all the modifications suggested by the External Examiners and then submit the hard binding of thesis (6 copies) to the DRCC Chairman who will forward it Directorate of Research for stamping.
- b) Directorate of Research will arrange Final Viva-Voce & Presentation within 03 Months (After the date of receiving report from evaluators as well as receiving of corrected hard boundcopies of the Thesis).
- c) In Final Viva-Voce & Presentation, the scholar would prepare PPT presentation of his research work and will respond to the queries of the external examiner.
- d) After the successful defense of the research work and the positive report of the External examiner, the Notification for the award of degree will be generated.

7. PLACE OF RESEARCH WORK

Every Full time Research Scholar shall generally work at University Campus. However, keeping in view of the nature of the research work, the Research Supervisor may allow the Research Scholar to work/research at some other institution or place. Provided that the Research Scholar shall submit a certificate from such other institutions where he/she carried out the research certifying, the period for which carried out the research to the Directorate of Research during the pre-submission of the thesis. The Research Scholars shall bear all expenses by themselves towards the conduct of the study for their research work.

Scholar pursuing part Time Ph.D. can work on his research thesis at his own pace but student would have to stay in continuous touch with the supervisor and submit the research work progress accordingly in six months.

8. SUPERVISOR, CO-SUPERVISOR, AND INTERDISCIPLINARY RESEARCH

Every Research Scholar registered for the Ph.D. programme shall work under the continuous supervision of his or her Supervisor. The Research Scholar shall remain in the contact with the Supervisors for all queries and updates related to the research work.

A Research Scholar shall be admitted to any one of the Faculty of the University to which the admission announcements have been made for a given semester. In case the Research Scholar is willing and having aptitude to pursue research of interdisciplinary nature for which the specific Faculty has not been instituted in the University but a fulltime Faculty member of other Faculty may be assigned as Supervisor who is competent and willing to guide him or her. The Vice-chancellor shall have discretion to approve such assignment. S/he may be admitted after taking approval from the Vice-Chancellor.

A Research Scholar shall normally be admitted for Ph.D. degree in the Faculty in which he/she has passed his/her qualifying examination as stated in clause

2(a). In special cases, a Research Scholar qualifying in any other Faculty, may be permitted for admission to Ph.D. program for which the specific Faculty or Department has not been instituted in the University but due to the interdisciplinary nature of the research topic and the availability of the Research Supervisor in some other Faculty, the Vice Chancellor of the University may allow the research scholar to be admitted.

To promote inter-disciplinary approach in research, if any Supervisor has doctoral degree in Psychology, s/he will also be eligible to supervise a Research Scholar in Education having reference to Educational Psychology and Child Psychology. A Co-supervisor having specialization in Psychology can be appointed from outside the University if subject expert is available only in Education.

For reference: (i) A Faculty member with Ph.D. in Chemistry will be considered eligible for supervising in Medicinal Chemistry, Computational Chemistry, Pharmaceutical Chemistry. (ii) A Faculty member with Ph.D. in Zoology, Botany will be considered eligible for supervising in Microbiology, Biotechnology, Biochemistry, Human Genetics, Molecular & Cell Biology, Immunology, Toxicology, Ecology, Environmental Science, Structure Biology, Biomedical Science, Yoga and Science, Yoga & Technology, Food, Nutrition and Technology, Science & Spirituality, Chemistry of Human Behavior, Anthropology etc. S/he can also undertake to supervise a Research Scholar having masters in Home Science, Anthropology, Education, Public Administration, Political Science etc. who want to pursue interdisciplinary research.

If a Research Scholar carries the research in an interdisciplinary topic, then the degree will be awarded in the subject of his or her master's degree.

A Faculty member with the Ph.D. in Applied Mathematics will be considered eligible for supervising Ph.D. in Data analysis, image processing and computational mathematics as well as scientific computing.

9. ALLOCATION OF RESEARCH SUPERVISOR

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

- a) Permanent faculty members working as Professor/Associate Professor/ Assistant Professor of the Motherhood University, Roorkee with a Ph.D., and request experience as per norms may be recognized as a Research Supervisor. 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 would be in violation of these ordinances.

Co-Supervisors from within the same department or other departments of the same institution or other institutions may be permitted with the approval of Hon'ble Vice Chancellor.

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

- b) In case of interdisciplinary/multidisciplinary research work, if required, a Co-Supervisor from outside the Department/Faculty /Centre/College/ University may be appointed.
- c) An eligible Professor/Associate Professor/ Assistant Professor can guide up to eight / six/ four Ph.D. scholars, respectively, at any given time.

10. COURSE WORK, CREDIT REQUIREMENTS, NUMBER, DURATION, SYLLABUS, MINIMUM STANDARDS FOR COMPLETION, ETC.

The Research Scholars shall undergo prescribed course work for a minimum period of one semester (06 months & 12 Credits) in order to strengthen the background in the chosen Faculty/Area of research and to develop a sound research temperament.

If the Research Scholar has done the course work in M.Phil. and produce the certificate in this regard, she/he shall not be required to do it again.

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 and one paper from related subjects. The Research Advisory Committee can also recommend UGC-recognized online courses as part of the credit requirements for the Ph.D. programme.

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.

If a Research Scholar does not complete the course work for two consecutive time periods of six months, then his candidature in Ph.D. programme shall stand cancelled by default and no further communication shall be made to him by the Directorate of Research in this matter.

However, Hon’ble Vice Chancellor has the power to give one more chance of one term to the scholar.

Minimum attendance required to become eligible to appear in the qualifying examination for each paper shall be 75%.

A Ph.D. scholar must obtain a minimum of 55% marks in the course work to be eligible to continue in the programme and submit his thesis.

11. RESEARCH DEGREE COMMITTEE (RDC)

There shall be a Research Degree Committee (RDC) for carrying out various functions of the Ph.D. program. The constitution of the RDC is as follows:

- (i) Vice-Chancellor or his Chairman Nominee
- (ii) Registrar - Member
- (iii) Dean/ Principal/HOD of Concerned Faculty - Member
- (iv) Supervisor of the Research Scholar - Member
- (v) External Subject Expert - Member
- (vi) Director Research - Member-Secretary

The RDC meeting shall be organized twice in a session after the recommendation of the Supervisor through Chairperson, DRCC of the concerned Faculty to the Directorate of Research as per the academic calendar. Special RDC meeting may be organized at any time with the permission of the Hon'ble Vice-Chancellor.

Presence of four members of the RDC shall form the quorum for convening the meeting.

The minutes of the RDC meetings shall be placed before the Chairman/ Vice-Chancellor for his approval.

If the Member-Secretary cannot attend the meeting for any reason, s/he shall nominate any person to convene the meeting.

Functions and Duties of the Research Degree Committee

- a) RDC may recommend a Research Scholar possessing an M.Phil degree to continue his/her research work in the same area of research as in M.Phil degree, provided such research has been original and not been carried by any other Scholar of any institution.
- b) The members of the Research Degree Committee (RDC) shall examine the synopsis of the proposed research work whether the scheme of investigation is likely to give results of sufficient value, or needs some modification or deserves rejection, in below mentioned categories:
 - i) Approved and submitted
 - ii) Approved and submitted with minor modification
 - iii) Approved and submitted with major modification
 - iv) Rejected
- c) In RDC meeting the Research Scholar shall present the synopsis through power point presentation. The Registration number will be issued to the Research Scholar only after the final submission of the approved synopsis.
- d) The Research Scholar shall have to submit the progress reports to the Supervisor after every six months. The Supervisor shall forward it to the Directorate of Research through the DRCC Chairman after incorporating his comments.

12. RESEARCH ADVISORY COMMITTEE (RAC)

There shall be a Research Advisory Committee consisting of the following:

- (i) Vice-Chancellor or his nominee shall be the Chairman.
- (ii) All Dean/Principal (HOD only in the absence of the Dean/Principal) shall be the Members of Research Advisory Committee.
- (iii) Director-Research shall be the Member-Secretary.
- (iv) External Experts may be invited as Members after the approval of Hon'ble Vice-Chancellor.
- (v) If the Member-Secretary cannot attend the meeting for any reason, she/he shall nominate any person to convene the meeting.
- (vi) Presence of four members of the RAC shall form the quorum for convening the meeting.

Functions of RAC

- a) To review the current status of work and progress of the Research Scholars of the Faculties.
- b) To invite the academicians for the advancement of the knowledge of Faculty members in the field of science education, computer application, use of software and to discuss latest trends in research methodology.
- c) The decisions regarding rules and regulations of Ph.D. programme taken unanimously in the meeting of RAC will become the part of this ordinance on being approved by the higher authorities.
- d) RAC shall also plan and motivate the faculty members to undertake the minor and major research projects from the National and State funding agencies.

13. DEPARTMENTAL RESEARCH COORDINATION COMMITTEE (DRCC)

In each Faculty/Department of the University, academic matters related to the Ph.D. program shall be supervised by a Departmental Research Coordination Committee consisting of the following:

- (i) Dean/Principal/Head of the Department of the Faculty shall be the Chairperson of DRCC
- (ii) Faculty members eligible as Supervisor shall be the members of DRCC
- (iii) The Convener of DRCC shall be nominated by the Chairperson of DRCC

These committees shall work in all departments with their names as DRCC (Pharmaceutical Sciences), DRCC (Education), DRCC (Agriculture), DRCC (Science), DRCC (Arts, Humanities & Social Sciences), DRCC (Commerce & Business Studies), and DRCC (Legal Studies).

Functions of DRCC

DRCC shall perform the following functions:

- a) To review the research proposal and finalize the topic of research.
- b) 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.

- c) To periodically review and assist in the progress of the research work of the Ph.D. scholar.
- d) In case the progress of the Ph.D. scholar is unsatisfactory, the DRCC shall record the reasons for the same and suggest corrective measures. If the Ph.D. scholar fails to implement these corrective measures, the DRCC may recommend, with specific reasons, the cancellation of the registration of the Ph.D. scholar from the Ph.D. programme.
- e) To forward the recommendation by Supervisor to hold the RDC meeting of the Research Scholars to the Directorate of Research.
- f) The Chairperson of DRCC of all faculties shall attend the Research Advisory Committee (RAC) meeting whenever conducted.

14. RESEARCH PERFORMANCE / PROGRESS MONITORING

The progress of each Research Scholar shall be monitored by the Supervisor(s), who will assess the performance to be “satisfactory” or “unsatisfactory.” For this purpose, each Research Supervisor shall be required to submit a progress report duly signed by him/her at the interval of six months to the DRCC Chairman who will forward it to Directorate of Research after placing his comments.

15. DOCTORAL SCRUTINY COMMITTEE (DSC)

Prior to the pre submission of the thesis the DRCC Chairman will send the draft thesis to Directorate of research for sending it to the Doctoral Scrutiny Committee (DSC). The committee will consist of Director of Research, Dy. Director of Research, the DRCC Chairman, Supervisor of the scholar and any other person nominated by the RAC Chairman.

DSC will review the whole draft thesis and after the scrutiny, the committee will forward the report & draft thesis to the DRCC Chairman for communication to the Research Scholar. After the necessary major modifications suggested (if suggested) by the committee, the scholar will submit the Draft Thesis to Directorate of Research through Chairperson, DRCC within 15 days of receiving the modifications with the Certificate of the Research Supervisor that the suggested corrections have been incorporated by the Research Scholar in the draft thesis. The draft thesis will again send to Doctoral Scrutiny Committee (DSC) within 15 days of getting the modified draft received. If no major modifications are suggested then the research scholar will submit the followings for pre-submission within 15 days to Directorate of Research through Chairperson, DRCC.

16. PRE-SUBMISSION OF THESIS

The Research Scholar must publish two research papers (from the Ph.D. research work only) in peer-reviewed refereed journals and make two paper presentations (from the Ph.D. research work only) in conferences/seminars before the Pre-Ph.D. presentation of the thesis for adjudication and produce evidence for the same in the form of presentation certificates and reprints.

Prior to submission of the thesis, the research scholar shall give a Pre- Ph.D. presentation before a committee comprising of Chairperson, DRCC, nominee of Vice- Chancellor, Research Supervisor of the Scholar, one external expert, Director of Research (or any other person as his nominee), he/she will present and defend the thesis work for getting feedback and comments, which may be suitably incorporated into the draft thesis under the advice of the Research Supervisor.

Research Scholars are required to submit the following prior to the Pre-Ph.D. presentation through Research Supervisor to the Directorate of Research, which would get it approved by the Vice-Chancellor and confirm the date of pre-Ph.D. presentation to the Research Supervisor: -

- (i) One copy of spiral bound research summary.
- (ii) One copy of synopsis approved by RDC.
- (iii) One copy of spiral bound thesis.
- (iv) No Dues Certificate (from Accounts Section, Dean of the Faculty, Research Supervisor, and Central Library etc.)
- (v) Plagiarism Verification Certificate by an authorized agency or institution.
- (vi) If the Research Scholar has carried research work at any other institutions/ laboratories, collected data or performed other similar functions, the original certificates from such institutions duly signed and stamped by the authorized person of the institution or laboratory mentioning the time period and nature of the work carried shall be submitted. In case no lab is used as in Mathematics or in descriptive research, verification by the research supervisor would be final.
- (vii) Two copies each of the following through the research supervisor with the covering form:
 - a) Reprints of Two Research Papers published in the National or International peer reviewed refereed Journal preferably from the approved list of UGC/NAAS (in case of agriculture).
 - b) Two Paper Presentation Certificates in National or International Seminar/Conferences
- (viii) An Affidavit from the Research Scholar about the originality of research work.
- (ix) An Affidavit from the Supervisor about the originality of the research work of his Research Scholar.
- (x) Course work Mark-sheet / Certificate of completion of course work
- (xi) Six Monthly Progress Reports since the time of Registration in Ph.D. Programme (minimum four reports must be submitted).
- (xi) Resume of the Research Scholar

In case, subject experts suggest some modification in draft thesis, The Research Scholar shall resubmit the thesis to the Research Supervisor after incorporation of suggested modification within fifteen days. He/she shall forward the corrected thesis to Directorate of Research along with a letter that s/he has verified the suggested corrections.

17. EVALUATION AND ASSESSMENT METHODS, MINIMUM STANDARDS/CREDITS FOR AWARD OF THE DEGREE, ETC.-

- (1) Upon satisfactory completion of course work and obtaining the marks/grade the Ph.D. scholar shall be required to undertake research work and produce a draft thesis.
- (2) Before submitting the final thesis, the Ph.D. scholar shall make a presentation before the external examiner approved by Hon'ble Vice Chancellor, which shall also be open to all faculty members and other research scholars/students.
- (3) The University shall have a mechanism using well-developed software applications to detect Plagiarism in research work and the research integrity shall be an integral part of all the research activities leading to the award of Ph.D. degree.
- (4) A Ph.D. scholar shall submit the thesis for evaluation, along with an undertaking from the Ph.D. scholar that there is no plagiarism and 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 Universities.
- (5) The Ph.D. thesis submitted by Ph.D. scholar shall be evaluated by three external examiners who are experts in the field and not in employment of the Motherhood University, Roorkee. Such examiner(s) should be academicians with a good record of scholarly publications in the field. Wherever possible, one of the external examiners should be chosen from outside India. If two out of three external examiners recommend acceptance then thesis will be forwarded for the viva voce examination. If the two examiners reject the thesis, then the Ph.D. scholar shall be declared ineligible for the award of a Ph.D.
- (6) The viva-voce board shall consist of the Research Supervisor and at least one of the three 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 Regulations.
- (7) 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 months from the date of submission of the thesis.

18. ISSUING A PROVISIONAL CERTIFICATE

Prior to the actual award of the Ph.D. degree, the University shall issue a provisional certificate to the effect that the Ph.D. is being awarded in accordance with the provisions of these Regulations.

19. AWARD OF Ph.D. DEGREES PRIOR TO NOTIFICATION OF THIS REGULATION

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 or UGC (minimum standards) as the case may be.

20. 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 University shall submit an electronic copy of the Ph.D. thesis to INFLIBNET.

21. WITHDRAWAL OF THE ADMISSION

The University reserve all the rights to withdraw the degree or cancellation of registration of the Research Scholar at any time if he/she is found guilty of committing plagiarism or any kind of malpractice.

Cancellation of admission can be done in the following given conditions:

- (a) If he/she skipped two consecutive course work examination.
- (b) If student without permission after registration not submitting six months progress report.
- (c) If his/her one-year fee accumulation or not submitting or skipping two instalments.
- (d) If he/she does not take the permission of extension of the stipulated time.

The Hon'ble Vice Chancellor shall have discretion to allow the scholar for the extension of six months as per the above-mentioned conditions.

22. REFUND OF DEPOSITED FEES

In case a Research Scholar is unable to carry the research work due to some personal unavoidable circumstances or his/her Research Supervisor recommends to cancel admission due to indiscipline or any other reasons, in writing to Directorate of Research, it would be then hearing to the Research Scholar, the admission shall be cancelled. If the cancellation of admission is recommended before the scheduled course work examination 50% of the deposited fee will be refunded while cancellation of admission is recommended before the scheduled first RDC meeting, 20% of the deposited fee will be refunded. While the discretion regarding refunds will be exercised by the Vice-Chancellor in case the cancellation of admission. Notwithstanding anything stated in this ordinance, for any issues arising, whether covered or not covered by this ordinance, the Vice-Chancellor shall reserve all rights to take any decision in all concerned matters.

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