

**ORDINANCE NO. - 10**

**[Ordinance for Doctor of Philosophy (Ph.D.) Degree in Engineering/Science/  
Management/Humanities & Social Science (HSS)]  
(Under Credit Based Grading System)**

Subsequent Ordinance No.-10 has been made in accordance with Section no. 29 of the Madhya Pradesh Niji Vishwavidyalay (Sthapana Avam Sanchalan) Adhiniyam, 2007. This Ordinance will be applicable for Full Time & Part Time basis Ph.D. Programme.

1. The higher degree in research field in the different specializations such as Engineering, Science, Management, Humanities & Social Science and Mathematics is referred as Ph.D. As per the guidelines, the duration of the doctorate degree in Engineering stream is 02 Yrs (minimum) and 06 Yrs (maximum) and for the Science and Management /Humanities & Social Science stream are 03 Yrs (minimum) and 07 Yrs (maximum) through full time as well as part time basis. The degree shall be designated as DOCTOR OF PHILOSOPHY (Ph.D.) in the respective branches/ research area.

- (a) The doctorate degree of Doctor of Philosophy (hereinafter called Ph.D.) shall include the branches as under:-

- (i) Electronics & Communication Engineering (ECE)
- (ii) Computer Science & Engineering (CSE)
- (iii) Chemical Engineering (CHE)
- (iv) Civil Engineering (CE)
- (v) Mechanical Engineering (MEC)
- (vi) Environmental Engineering (ENV)
- (vii) Sciences i.e. Physics, Chemistry
- (viii) Mathematics
- (ix) Management/Humanities & Social Science (HSS)

- (b) The studies and examination of these Ph.D. courses shall be on the basis of marks-cum-credit system but final evaluation shall be by the grading system.

2. **Admission**

- (a) Minimum qualification for admission to the first year Ph.D. in Engineering Stream shall be M.E./M.Tech. in appropriate branch with at least 60% marks aggregate or its equivalent CGPA from any recognized university/institutions/technical university/Deemed university or any other qualification as recommended by UGC/AICTE for a particular course.
- (b) Minimum qualification for admission to the first year Ph.D. in Science/Mathematics/humanities/Management Stream shall be Master's Degree/M.Phil. in appropriate specialization with at least 60% marks aggregate or its equivalent CGPA from any recognized university/institutions/technical university/Deemed university or any other qualification as recommended by UGC/AICTE for a particular course.

- (c) The Ph.D. Entrance Test will be conducted by the university; all applicants who qualify in the entrance will have to face the personal interview. Candidates are required to discuss their research interests and proposed research work at the time of the Interview.
- (d) Applicants who have qualified NET/GATE/SLET/UGC/CSIR (JRF) shall be given preference over those candidates who do not possess NET/GATE/SLET/UGC/CSIR (JRF) on a full-time basis.
- (e) All full-time & part-time candidates who have been sponsored for Ph.D. studies must have at least two years experience in the relevant field.
- (f) Reservation Policy will be followed as per GOI and Govt. of MP norms in regard to SC/ST/OBC students admissions in the University.
- (g) Admissions shall be done in the university based on merit.
- (h) The admission to the Ph.D. course shall be governed by the rules of higher education/technical education department of Govt. of India and Govt. of Madhya Pradesh or any other competent authority.
- (i) Instructions, guidelines and recommendations issued by UGC, AICTE, MHRD, Department of Higher Education, MPPURC Bhopal or any other governing/regulatory bodies of the Govt. of India or Govt. of MP from time to time regarding admission process, shall be followed for the perspective year of admissions.
- (j) Recommendations made by Governing Body/Academic Council/Board of Management of the University, in accordance with directives of UGC, AICTE, MHRD, Department of Higher Education, MPPURC Bhopal or any other governing/regulatory bodies of the Govt. of India or Govt. of MP from time to time regarding admission process, shall be final for the perspective year of admissions.

**3. Ph.D. Thesis Supervisor (s), their Eligibility Criteria and Allocation**

- (a) For every PhD student, a PhD Supervisor (s) (hereinafter referred as Supervisor-I) will be decided considering available specializations of the faculty members and research interests of the student. If required additional supervisor (s) (herein referred as Supervisor-II) may be appointed with the approval of the Vice-Chancellor.

There will be a Doctoral Program Monitoring Committee (DPMC) for every PhD Research Scholar. The DPMC will consist of the Dean - Academic/Research (Chairman), respective Supervisor(s), the Head of the Department and three Senior Faculty members (including one from an allied discipline) to be nominated by the Vice-Chancellor.

- (b) The Supervisor shall himself / herself be a PhD degree holder.

- (c) The DPMC may permit a supervisor (hereinafter referred as Supervisor-II) from within or outside the university who fulfills the same condition of having a PhD, as the main Supervisor.
- (d) At any given point of time, no Supervisor will have more than 8 PhD students.

#### 4. Course Work

- (a) Every student admitted to the PhD Program will have to register for a minimum of
  - (i) 9 credits of course work to be recommended by the Supervisor(s), if the candidate possesses M.Tech degree.
  - (ii) 18 credits of course work to be recommended by the Supervisor(s), if the candidate possesses Master's Degree in Sciences /Management/Humanities & Social Science (HSS).
- (b) The course work should be successfully completed within the first three semesters after registration.
- (c) The Research Scholar must obtain a minimum of 'B' Grade in every registered course/subject.
- (d) Obligatory courses/subjects are
  - (i) Research Methodologies including Quantitative Methods and Computer Applications - 3 Credits.
  - (ii) Review of published Research Work in the relevant field - 3 Credits (Literature Survey and Seminar).
  - (iii) (a) One Advanced Level Course/Subject for Scholars having M.E./M.Tech degree - 3 Credits  
OR  
(b) Four Advanced Level Courses/Subjects for Scholars having Masters Degree in Sciences / Humanities / Management - 12 Credits
  - (iv) All Courses / Subjects should be relevant to the proposed PhD work. They will be specified by the DPMC on the recommendations of the Supervisor(s).

#### 5. Evaluation and Assessment Methods

- (a) Residential Requirement
  - (i) The registered PhD students are required to work full time throughout the tenure of their PhD Program.

- (ii) However, in special cases of Sponsored students (from recognized Organizations) and Part Time students, the residential requirement may be relaxed to a minimum of one semester. It is desirable that the scholar spends one full year here for conveniently completing the course work and having greater interaction with the Supervisor(s).
- (iii) After successful completion of the minimum residential requirement and satisfactory completion of the course work, the part time candidates, or if sponsored by an Academic/Research Organization/Reputed Industry, may be permitted to return to the parent Organization and continue his/her PhD work there provided
  - (a) He/she is able to get a qualified Supervisor-II in his/her Organization and
  - (b) The Organization has necessary facilities to carry out PhD Research Work.
- (iv) Such candidates will have to be in constant touch with the main university Supervisor-I. It is desirable that they spend at least two weeks every semester in university and interact with the Supervisor-I.
- (v) They have to report for every Semester Seminars and for all Performance Evaluation Requirements in order to renew their Registration.
- (vi) The requirement of the Supervisor-II for such candidates to have PhD Degree may be relaxed, provided, he/she has long R & D experience.
- (b) Process for submission of thesis is as under:-
  - (i) Completed the course work requirement successfully,
  - (ii) Completed the Research Work,
  - (iii) Published at least two papers in referred journals, and
  - (iv) Prepared the draft PhD thesis, and
    - a) Submit a draft Synopsis of the PhD work, and
    - b) Deliver a Synopsis Seminar, which will be open to all Faculty Members and Research Scholars.
  - (v) On the recommendations of the DPMC, the candidate will be required to submit the final PhD Synopsis in the specified format with all suggested modifications included, within one week of the PhD Synopsis Seminar.

- (vi) The candidate will be required to submit his/her PhD Thesis in the specified format and fulfilling other requirements within two months of the submission of the final PhD Synopsis.
- (vii) Two panels each consisting of five Experts having long experience and good standing in the relevant field of the PhD work, will be proposed by the Supervisor to the Vice-Chancellor. The First Panel will have Experts from within India and the Second Panel will have Experts from outside India.
- (viii) The Vice-Chancellor will finalize the Examiners, one from each Panel, to whom the Thesis will be sent for Evaluation after obtaining their consent.
- (ix) The approved Examiners will be approached, along with a copy of the Synopsis, to seek their consent.
- (x) The Supervisor(s) is also required to submit an Evaluation Report on Thesis.
- (xi) The External Examiners are supposed to give their Evaluation Reports with their Recommendations in a prescribed format within ten weeks of the receipt of the Thesis.
- (xii) The External Indian Examiner will also be the Examiner for the Viva-Voce Examination (Open Defense). If the external Indian examiner is unable to conduct Viva-Voce, the Vice-Chancellor can select another expert from India to conduct the Viva-Voce.
- (xiii) The Recommendations and the Evaluation Reports from all the Examiners including the Supervisor(s) will be placed before the Vice-Chancellor for further action.
- (xiv) If the Vice-Chancellor finds the Recommendations and the Evaluation Reports from both the External Examiners Satisfactory, the date of the final Viva-Voce Examination will be decided in consultation with the External Viva-Voce Examiner.
- (xv) In case, the Report(s) and Recommendations of one of the two External Examiners are not Favourable, the Thesis would be sent to another Examiner, from the respective Panel, to be decided by the Vice-Chancellor, for Evaluation.
- (xvi) However, if the Report(s) and the Recommendations from two External Examiners are not Favourable, then the Thesis will be rejected and the PhD degree will not be awarded.

The candidate may, however, be allowed to Re-register to continue the PhD work on the same topic and under the same Supervisor(s) for a minimum period of one year. A fresh Thesis has to be submitted by the candidate within two years. The normal process of the Evaluation will be followed afresh.

- (xvii) Once the Thesis is accepted, the candidate will be required to defend his/her PhD work and the Thesis in an open Viva-Voce Examination. He/she has to answer satisfactorily the queries of the Examiners at the time of the Viva-Voce Examination where the External Indian Thesis Examiner shall be present along with the DPMC members.
- (xviii) On the successful completion of the final PhD Viva-Voce-Examination and evaluation process the report shall be submitted to the V.C. for approving the award of PhD degree to the candidate. Further, the candidate will be required to submit the final version of the Thesis in the required format, incorporating all the suggestions of the Viva-Voce Board, both in Hard as well as Soft forms.
- (xix) After the approval of the Vice-Chancellor, the award of the PhD degree would be announced and a Provisional Certificate would be issued to the candidate.
- (xx) The final Degree will be awarded in the Convocation.

#### 6. Depository with UGC

Following the successful completion of the Evaluation Process and the announcement of the Award of the PhD Degree, a soft copy of the PhD Thesis will be sent to the UGC within a period of thirty days.

#### 7. Award of Credits & Grades

- (a) Each course, along with its weightage in terms of units and equivalent credits, shall be recommended by the Supervisor concerned and shall be approved by the Board of Management, Academic Council and the Governing Body. Only approved courses can be offered during any semester.
- (b) A student shall be continuously evaluated for his/her academic performance in a subject through Lecture, Tutorial work, practical, home assignment, mid-semester tests, field work, seminars, quizzes, end-semester examination and regularity, as proposed by respective Board of Studies and approved by Standing Committee of Academic Council and Governing Body of the university. .
- (c) The distribution of weightage/marks for each component shall be decided by the respective of Board of Studies and approved by standing committee of Academic Council and Governing Body of the University.
- (d) Each candidate, registered for a course, shall be awarded grade by the faculty/course coordinator (s) concerned with the specific theory course. The grades awarded to a student shall depend upon his/her continuous evaluation through performance in various examinations, assignments, quizzes, laboratory work, class work, mid semester tests and regularity.

#### 8. Medium of Instruction and Examination

- (a) The medium of instruction and examination shall be English throughout the course of study.
- (b) The subjects to be studied in the Ph.D. programme shall be as per the schemes, approved by the Board of Studies.

9. This supersedes Ordinance No.-2(c) of the First Ordinance of the University, published in Gazette Notification of Govt. of Madhya Pradesh at Sr. no. 7 on 17<sup>th</sup> February 2012.