

# Ordinance Number - 11

## Ph.D. (Doctor of Philosophy) Programme

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### 1. Introduction

- 1.1 Panipat Institute of Engineering and Technology, Panipat has a strong commitment to high quality research for quality education and to enhance the professional competence of the students that is rich in knowledge and innovative in approach. The Institute offers Ph.D. (Doctor of Philosophy) programme to the eligible individuals who are interested in pursuing their research.
- 1.2 This ordinance governs the conditions for Ph.D. programme, admission procedure, appointment of supervisors, imparting courses of instructions, implementation methodology, conduct of the examinations and evaluation of student's performance leading to the award of Ph.D. Degree.

### 2. Research Degree Committee (RDC)

- 2.1 There shall be a Research Degree Committee consisting of:
  - a) Director (Chairperson);
  - b) Deans of the Faculties;
  - c) Seniormost Professor or in case there is no professor, the Seniormost Associate Professor in the teaching departments of the Institute;
  - d) External Experts, if so desired by the Director.
  - e) Dean Research, Innovation & Consultancy (RIC) shall be Member-Secretary of the Committee.
- 2.2 The members other than the ex-officio members shall have a term of three years and shall be eligible for re-nomination.
  - a) One third of the members shall constitute the quorum.
  - b) In the absence of the Director, the Dean RIC will preside.
  - c) The Research Degree Committee shall meet at least once in an academic session.
- 2.3 Research Degree Committee shall be responsible for:
  - a) Identification of Research and Development of thrust areas within the frame work of the objectives of the Institute.
  - b) Promotion and maintenance of the standards of research.
  - c) Monitoring and guiding all research programmes, including Doctoral Research.
  - d) Formulation of regulations and procedures for research, development and consultancy work.
  - e) Planning, initiating, reviewing and overseeing the research activities.
  - f) Evolving and implementing multi-disciplinary programmes, utilizing the infrastructure and resources of the Institute gainfully.

#### 2.4 Functions of the Research Degree Committee (RDC)

- a) To consider and recommend to the Academic Council the eligible teachers for recognition as research supervisors.
- b) To approve names of distinguished persons from outside the Institute for lending vision and imparting impetus to research environment in the Institute.
- c) To consider and recommend to the Academic Council the names of scientists and teachers belonging to recognized R & D Institute(s)/Universities and Institutions from outside the Institute to act as co-supervisors.
- d) To consider the cases for registration for doctoral degree where there is change of faculty.
- e) To consider cases of difference of opinion between examiners of doctoral thesis and other exceptional situations not expressly covered by the Regulations.
- f) To consider any other matter referred to it by the authorities of the Institute or the Director.

### 3. Offering of Ph.D. Programmes

Doctoral Programmes leading to Ph.D. will be offered as decided by concerned Department Research Committee (DRC) and approved by the Academic Council.

### 4. Department Research Committee (DRC)

Each Department shall have a Department Research Committee. A Department with multiple sub-departments may constitute multiple DRCs; one for each sub-department.

#### 4.1 The Department Research Committee shall consist of:

- a) Dean of the Faculty concerned.
- b) Head of the concerned Department.
- c) Co-ordinator / Programme Head of the concerned Sub-Department in case there are more than one Sub-department.
- d) Seniorsmost Professor, other than Head of the Department or else Seniorsmost Associate Professor other than Head of the department, if there is no Professor.
- e) At least one specialist in the concerned subject of the research nominated by the Head of the Department/Sub-department approved by the Director. The specialist may also be an outside expert.
- f) Supervisor(s) concerned in case a matter relating to his/her candidate(s) is in the agenda of the meeting.

#### 4.2 Functions of Department Research Committee (DRC)

- a) To guide the research scholar to develop the study design and methodology of research and identify the course(s) that he/she may have to do.
- b) To review the research proposal and finalize the topic of research.
- c) To consider and approve the application from supervisor for appointment of Co-Supervisor.
- d) To consider and recommend to the Director the application for the change of

supervisor in between the course due to some valid reasons.

- e) To consider and approve the application for the change in subject/Faculty different from the subject/Faculty at master's degree.
- f) To consider and recommend to the Director the application from a student registered in some other recognized university but willing to shift to Panipat Institute of Engineering and Technology, Panipat for pursuing his/her Ph.D. further.
- g) To consider and recommend the modification of topic of research preferably within one year after the date of registration.
- h) To consider and approve minor changes in the wordings of the topic of the thesis at least six months prior to submission of thesis.
- i) To periodically review and assist in the progress of the research work of the research scholar.
- j) To evaluate the presentation and the report on the progress of each Ph.D. scholar each semester and to render him/her the necessary guidance. The DRC shall submit its recommendations along with a copy of Ph.D. scholar's progress report to the Controller of Examinations. A copy of such recommendations shall also be provided to the Ph.D. scholar.
- k) In case the progress of the Ph.D. scholar is unsatisfactory, the DRC shall record the reasons for the same and suggest corrective measures. If the Ph.D. scholar fails to implement these corrective measures, the DRC may recommend to Director, with specific reasons, the cancellation of the registration of the Ph.D. scholar from the Ph.D. programme.

## **5. Eligibility Criteria for Admission to Ph.D. Programme**

### **5.1 Eligibility:**

- a) Candidates who have completed:

A 1-year/2-semester Master's Degree programme after a 4-year/8-semester Bachelor's Degree programme, or a 2-year/4-semester Master's Degree programme after a 3-year bachelor's degree programme or qualifications declared equivalent to the master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed

or an equivalent qualification from a foreign educational Institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of the educational Institution.

A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-abled, Economically

Weaker Section (EWS) and other categories of candidates as per the decision of the UGC from time to time.

- b) Candidates who have completed the M.Phil. programme with at least 55% marks in aggregate or its equivalent grade in a point scale 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 UGC from time to time.

5.2 It will be the responsibility of the candidate to ensure his/her eligibility and fulfilment of such other conditions as may be prescribed for admission in the rules and regulations of the Institute. Before submission of an Application Form, the candidate is required to ascertain these facts from the concerned Department. Merely qualifying the entrance test will not *ipso-facto* entitle a candidate to get himself /herself admitted for Ph.D. course in the Faculty concerned.

## 6. Procedure for Admission

- 6.1 The number of seats for Ph.D. shall be decided on semester basis well in advance and notified on the Institute's website or advertised. A given number of Ph.D. scholars shall be admitted depending on the number of available Research Supervisors and other academic and physical facilities available, keeping in mind the norms regarding the scholar-teacher ratio, laboratory, library and such other facilities.
- 6.2 The candidates shall apply for the admission in Ph.D. course in prescribed Form available at the Institute's office or can be downloaded from the Institute website [www.piet.co.in](http://www.piet.co.in). The application form duly filled in by the candidate should be submitted along with required fee (as fixed by the Institute) before or on the last date prescribed by the Institute.
- 6.3 The Institute shall admit Ph.D. students through UGC NET/CSIR NET/GATE as applicable.
- 6.4 The admission shall be based on the criteria notified by the Institute, keeping in view the guidelines/norms in this regard issued by the UGC and other statutory bodies concerned, and considering the reservation policy of Centre/State Government from time to time.
- 6.5 Institute shall admit candidates by preparing a merit list having weightages:
- 70% weightage to GATE/NET/CSIR NET score;
  - 30% weightage to interview.

### Interview:

- Interviews shall be conducted by a 5-member panel of experts recommended by DRC and approved by the Director. The Director may change or add the panel of experts, if he/she so desires.
- The weightage of the interview shall be 30%.

- (iii) The candidates in the initial merit list (prepared using GATE/NET/CSIR NET score) shall be called for interview. Maximum number of candidates for interview shall be thrice the number of seats in a particular field. In the interview/*viva-voce*, the candidates are required to discuss their research interest/area through a presentation before a duly constituted panel of experts.
  - (iv) The interview/*viva voce* shall also consider the following aspects:
    - a. the candidate possesses the competence for the proposed research; the research work can be suitably undertaken at the Institution;
    - b. the proposed area of research can contribute to new/additional knowledge.
  - (v) Selection of the candidates shall be done on the basis of the combined merit of NET/GATE/CSIR NET score and interview marks.
- 6.6 After the interviews, the applications of the selected candidates will be scrutinized by the Institute office. These candidates shall be admitted provisionally as Ph.D. students of the Institute on payment of the prescribed fee. The fee deposited will not be refunded for any reason, whatsoever.
- 6.7 The application for admission shall be accompanied by the prescribed fee, the original Master's Degree/ M.Phil. Degree (if any) and the Migration Certificate of the University from which he/she took the last degree.
- 6.8 The Institute 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.
- 6.9 A candidate may be permitted to do research work for the degree of Ph.D. in a Subject/Faculty different from the one in which he/she has obtained his/her Master's Degree. Permission to pursue Ph.D. degree in a different Subject/Faculty may be granted by the Director on the recommendation of Department Research Committee (DRC) after suitably judging the proficiency of the candidate in the subject concerned.

## 7. Allocation of Research Supervisor

### 7.1 Eligibility of Supervisors

The following persons will be ipso-facto eligible to act as research supervisors:

- a) Any regular Professor/Associate Professor of the Institute with Ph.D. degree and at least five research publications in refereed journals of repute and any regular Assistant Professor of the Institute with a Ph.D. Degree and at least three research publications in refereed journals of repute may be recognized as Research Supervisor.

Provided that in areas/disciplines where there is no, or only a limited number of refereed journals, the Institute may relax the above condition for recognition of a person as Research Supervisor with reasons recorded in writing.

- b) Only a full-time regular teacher of the Institute can act as a supervisor. The external supervisors are not allowed, however, Co-Supervisor may be allowed

in inter-disciplinary areas from other departments of the Institute or from other related institutions by the Department Research Committee.

- c) Director, if he/she was recognized research guide in any other Institution/University prior to joining the Panipat Institute of Engineering and Technology, Panipat.
- 7.2 An external teacher approved by RDC and willing to act as a co-supervisor to guide Ph.D. scholars may be allowed by DRC on the recommendation of the supervisor.
- 7.3 The Research Degree Committee (RDC) will consider the application of the teachers for supervisor / co-supervisor and shall submit its recommendations to the Academic Council for its approval.
- 7.4 The allocation of Research Supervisor for a selected research scholar shall be decided by the concerned DRC depending on the permissible number of scholars per Research Supervisor, the available specialization among the Supervisors and research interests of the scholars as indicated by them at the time of interview/*viva voce*.
- 7.5 A Research Supervisor/co-supervisor who is a Professor, at any given point of time, shall not guide more than eight Ph.D. scholars. An Associate Professor as Research Supervisor/Co-supervisor shall guide up to a maximum of six Ph.D. scholars and an Assistant Professor as Research Supervisor/Co-supervisor shall guide up to four Ph.D. scholars subject to the research, innovation performance of the teacher in the last 3 years. The DRC may reduce this number, if it deems fit.
- 7.6 The allocation of seats to the supervisor will be as per number of seats available with him and also keeping in view the available laboratory/infrastructure, specialization and the research interest of the student. Further, as far as possible, the choice of supervisor should be on mutual consent of teacher and the scholar.
- 7.7 The supervisor(s) is/are directly responsible for the supervision and mentoring of the student. The supervisor is to provide counselling on all aspects of the programme and be involved in the student's research activities and progress.
- 7.8 Co-Supervisor  
The Co-Supervisor in the same department or different organization / department / Faculty is permissible in special cases:
  - a) The reasons for Co-supervision are well defined by the supervisor.
  - b) Subject to its satisfaction, the DRC may decide or allow as to who will be the Co-Supervisor.
  - c) In case of Co-Supervisors, each candidate will be counted as half seat in the quota of Supervisor and half seat in the quota of Co-supervisor.
  - d) Generally, Supervisor shall act as the internal examiner. However, if Supervisor is unable to attend the *viva-voce* examination, then with mutual consent of the two, the Co-Supervisor may act as internal examiner. The supervisor shall give in writing the consent of the two to the Controller of Examinations and that the Co-Supervisor shall act as the internal examiner.
  - e) In case of topics which are of inter-disciplinary nature where the Department

concerned feels that the expertise in the Department has to be supplemented from outside, the Department may appoint a Research Supervisor from the Department itself, who shall be known as the Research Supervisor and a Co-Supervisor from an outside Department / Faculty/ School / University / Institute/ Laboratory on such terms and conditions as may be specified and agreed upon by the consenting Department/Faculty/School / University / Institute/ Laboratory.

- f) A teacher of the recognized University/College/Institution willing to act as Co-Supervisor to guide Ph.D. scholars shall submit his/her consent along with the Bio-data giving teaching experience, research work, publications, etc. to the Dean (RIC), Panipat Institute of Engineering and Technology, Panipat for approval of RDC.
  - g) Adjunct Faculty members can act as only co-supervisors.
- 7.9 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 be the Supervisors until superannuation, of such Ph.D. scholars who are already registered under them. Also, such faculty members can take, as Co-supervisors, new research scholars and / or continue as Co-supervisors after superannuation, but not after attaining the age of 70 years.
- 7.10 If the Supervisor of a candidate leaves the Institute before the completion of the research work or is otherwise unable to see the work through, due to some valid reason(s), RDC may allow the change of the Supervisor, on the recommendation of the Department Research Committee.
- 7.11 If a supervisor of a candidate leaves the Institute before completion of research work and is willing to continue the supervision, he may be allowed to continue as Co-Supervisor. An internal teacher may be appointed as supervisor by RDC on the recommendation of DRC.
8. At any point, the total number of Ph.D. scholars under a faculty member, either as a supervisor or a Co-Supervisor, shall not exceed the number prescribed in clause 7.5.
9. **Admission of International students in Ph.D. programme:**
- 1.1 Each supervisor can guide / co-supervise up to two international research scholars on a supernumerary basis over and above the permitted number of Ph.D. scholars as specified in clause 7.5 above.
  - 1.2 The DRC shall recommend such eligible international students. All eligibility conditions must be met as far as degree equivalence is concerned.
10. **Course Work - Credit requirements, number, duration, syllabus, minimum standards for completion, etc.**
- 10.1 The Credit requirement for the Ph.D. coursework is a minimum of 12 credits, including a "Research and Publication Ethics" course as notified by UGC vide D.O. No. F.1- 1/2018(Journal/CARE) in 2019 and a "Research Methodology" course. The DRC can also recommend UGC recognized online courses as part of the credit requirements for the Ph.D. programme.
  - 10.2 All Ph.D. scholars, irrespective of discipline, shall be required to train themselves 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.

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

#### **11. Ph.D. through Part-Time Mode**

11.1 Ph.D. programmes through part-time mode shall be permitted, provided all the conditions stipulated in the Ordinance and Regulations are fulfilled.

11.2 The candidate needs to submit a "No Objection Certificate" 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) He/She will be relieved from the duty to complete the course work and appear for examinations of the same, and the presentations each semester before the DRC.

11.3 Under no circumstances, Ph.D. programme shall be conducted through distance or online mode. The candidate needs to spend at least 6 hours/week in the Institute after full time course work

11.4 Minimum duration for submission of thesis in part-time cases shall be 4 years after enrollment and 3 years after registration.

12. Academic Council shall have the power to cancel the admission of a student at any time, after the issue of a due show-cause notice, on disciplinary or any other grounds which are considered to be not in consonance with the dignity and behaviour of a research scholar or non-payment of hostel or any other dues of the Institute.

#### **13. Fellowship**

13.1 The Candidates enrolled for Ph.D. may be awarded scholarship/fellowship by any funding agency and their payment of scholarship shall be released after their cases are recommended by the Department Research Committee.

13.2 JRF students registered for Ph.D. research work will be paid their fellowship as and when received from the funding agency by the Institute.

13.3 Candidates availing the fellowships are bound to follow all the rules of the funding agency.

#### **14. Duration of the Programme:**

14.1 Regular Ph.D. programme shall be for a minimum duration of three years, including course work and a maximum of six years.

14.2 Part-time Ph.D. programme shall be for a minimum duration of 4 years after the successful completion of course work, and the maximum duration is 8 years with effect from the enrollment.

14.3 Under extra-ordinary circumstances, the Director may extend the maximum period from 06 to 08 years for regular Ph.D. scholars and from 8 to 9 years for part-time Ph.D. scholars.

14.4 A candidate shall submit his/her thesis after a period of minimum three years for



regular scholar and minimum 4 years for part-time scholar from the date of his / her enrolment in the Ph.D. Programme, but not before two years for regular scholar and three years for part-time scholar, from the date of his registration, whichever is later.

14.5 The women candidates and especially-abled scholars (more than 40% disability) may be allowed a relaxation of two years for Ph.D. in the maximum duration. In addition, the women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of Ph.D. for up to 240 days.

14.6 In case a candidate does not submit his/her thesis within the above-mentioned period, he/she shall not be permitted to submit the thesis on the same topic and will be required to apply for a fresh registration on a changed topic.

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

Upon satisfactory completion of the course work and obtaining the marks/grade prescribed, 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 mentioned in clause-14.

**15.1 Prerequisites for submission of Thesis**

- a) A research scholar shall appear before the DRC once in every six months to make a presentation of the progress of his/her work for evaluation and further guidance. The six-monthly progress reports shall be submitted by the DRC to the Controller of Examinations with a copy to the research scholar.
- b) In case the progress of the research scholar is unsatisfactory, the DRC shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the DRC may recommend to the Director with specific reasons for cancellation of the registration of the research scholar.
- c) Prior to submission of thesis, the student shall make a pre-submission presentation in the Department concerned before the DRC. The presentation may be open to all the faculty members and research scholars of the Institute, for getting feedback and comments, which if deemed fit by supervisor(s) in consultation with DRC may be suitably incorporated into draft thesis under the advice of the DRC and the same be submitted within six months along with the declaration by the candidate (Annexure-1). Only in extraordinary cases, the Director may extend the time.
- d) At or before the time of pre-submission presentation, from his/her Ph.D. research work, the student shall publish (or should have accepted for publication) at least two research papers in refereed journals of repute - (i) one in SCI-indexed journal (or A\* or A grade journal under ABDC ranking for Management/ Business disciplines) and (ii) the second in SCOPUS journal (or B grade journal under ABDC ranking for Management/ Business disciplines), and produce evidence for the publication (or acceptance for publication) in the form of reprints of the published papers (or acceptance communication) along with proof of indexing of the journals.
- e) Each Ph.D. Scholar shall get a plagiarism check via the well-developed plagiarism checking software and gadgets of his draft thesis to detect plagiarism and other forms of academic dishonesty and shall submit the report generated on the plagiarism checking software of his draft thesis along with a soft copy of the draft

thesis and declarations about the plagiarism on the prescribed format (*policy on plagiarism is available on the website of the Institute*) for the consideration of DRC.

15.2 The student may incorporate in his thesis the contents of any of his published papers and he should state this in unambiguous terms in the thesis.

15.3 No student shall join any other course of study or appear at any examination while conducting research. However, the Director may allow a candidate to appear in an examination or to attend a course in the Institute which is conducive to his research and is of minor nature, including improvement examination of any previous result.

15.4 The RDC may allow a topic of research to be modified on the recommendation of DRC, as per Clause 4.2(g) of the Ordinance.

15.5 Minor changes in the wording of the topic of a thesis may be allowed by the RDC on recommendation of DRC, as per Clause 4.2(h) of the Ordinance.

15.6 The supervisor shall notify to the DRC (not earlier than six months of the date of submission of thesis) that the thesis is presentable in all its aspects and shall forward two copies of the brief summary of the thesis to the DRC for pre-Ph.D. presentation.

15.7 Thesis:

- a) The literary presentation of the thesis should be of a high standard, i.e., concise, laid out logically and in proper sequence, far from grammatical and typographical errors, and referenced properly.
- b) The thesis shall comply with the following conditions to merit the award for the Ph.D. Degree:
  - (i) It should be a piece of research work characterized either by the finding of new facts or by a fresh approach towards interpretation of facts and theories.
  - (ii) It should reflect the candidate's creative ability and capacity for critical examination and judgment.
  - (iii) It should be satisfactory in its literary presentation.
- c) The thesis shall have an undertaking from the research scholar and a certificate (on the prescribed format (Annexure-II)) from the Research Supervisor(s) attesting to the originality of the work, vouching that:
  - (i) there is no plagiarism, (ii) and that the work has not been submitted for the award of any other degree/diploma of the same Institution where the work was carried out, or to any other Institution.

15.8 Submission of Thesis

- a) After the thesis is complete, the candidate shall supply five printed copies of the thesis along with two soft copies (in Pen drives) of his thesis in the prescribed colour as mentioned below:
  - (i) Faculty of Management: Blue (MBA/BBA)
  - (ii) Faculty of Engineering and Technology: Maroon (Engineering & Technology/Computer Applications)
  - (iii) Faculty of Sciences: Green

(Physics/Chemistry/Mathematics)

(iv) Faculty of Pharmaceutical Sciences: Sky Blue

(v) Faculty of Arts & Humanities: Red  
(Arts/Languages)

- b) The thesis should be in English, except otherwise when the requirement of the degree is some other required language.
- c) All the fee, dues, fines, etc. of the Institute must have been paid at the time of submission of the thesis. The student should also produce 'No Dues Certificate' from all the concerned departments of the Institute.

#### 15.9 Panel of examiners

- a) The supervisor of the candidate will suggest a panel of eight names of external experts not below the rank of Associate Professors, preferably Professors, giving their official and residential addresses, mobile number and email address. The supervisor shall give a certificate to the effect that the names suggested in the panel are not from close relatives of the supervisor or the candidate. If the supervisor fails to supply the panel of Examiners within one month after the submission of thesis in the Institute, the Director may draw the panel in consultation with respective Dean/Principal/HoD.
- b) The panel prepared by the supervisor will be sent through the Dean concerned to the Controller of Examinations in a sealed cover. The Director will appoint from the panel, two examiners who are not in employment of the Institute, out of which at least one shall be from outside the state. The Director, if deems fit, may add more names of the subject experts in the panel.
- c) The thesis, when received, shall be referred for evaluation to two external examiners appointed by the Director.

#### 15.10 Evaluation

- a) The examiners shall send their reports normally within three months (of the receipt of the thesis) but maximum within five months to the Controller of Examinations by name marked 'Confidential'. If the reports of evaluation are not received within five months (despite follow-up reminders, each after 21 days), the Director may send the thesis for evaluation to other examiner(s) from the panel.
- b) The examiners shall send their reports on the prescribed proforma. Each examiner shall state categorically whether in his/her opinion:
  - (i) Thesis should be accepted for the award of Ph.D. Degree;  
OR
  - (ii) The candidate should make changes which are minor in nature. The changes should be incorporated before Viva-Voce and be presented at the time of Viva-Voce;  
OR
  - (iii) It should be referred back to the candidate for submitting it again in revised form;  
OR
  - (iv) It should be rejected.

The examiners shall state reasons for approval or rejection of the thesis. If the examiner recommends resubmission of the thesis, he/she shall specifically indicate what modifications he/she wants the candidate to effect and incorporate in the thesis.

- c) If in the first instance, both the examiners evaluating the thesis recommend for the award of degree to the candidate, the thesis stands recommended for the Viva-Voce examination.
- d) If both the examiners recommend the rejection of the thesis, the thesis shall be rejected.
- e) If both the examiners recommend minor revision(s), the revision(s) must be incorporated before the Viva-Voce examination, and the same shall be presented during the Viva-Voce examination.
- f) If one of the external examiners accepts the thesis while the other rejects it, the Director shall send the thesis to another external examiner out of the approved panel of examiners and the following procedure shall be followed:
  - i. If the third external examiner accepts the thesis, the Viva-Voce examination of the scholar shall be fixed.
  - ii. If the third examiner rejects the thesis, the thesis shall stand rejected.
  - iii. If the third examiner recommends the minor revision(s), the revision(s) shall be incorporated before the Viva-Voce examination.
  - iv. If the third examiner recommends the major revision in the thesis, the thesis may be revised and resubmitted to the third examiner for his review within one year but not before six months from the date of such permission along with the prescribed fee. The thesis shall stand rejected if the revisions are not to the satisfaction of the third examiner.

15.11 A candidate shall not be allowed to re-submit his thesis more than once.

15.12 A student whose thesis is rejected shall not be registered again for Ph.D. degree with the same topic.

15.13 Viva voce:

- a) The public *viva-voce* of the research scholar to defend the thesis shall be conducted only if the evaluation reports of the external examiners on the thesis are satisfactory and include a specific recommendation for the award of Ph.D. degree.
- b) The reports of all examiners shall be placed before the Director. If both the external examiners recommend award of the degree, the student shall be examined through *viva-voce* examination by one of the external examiners (to be nominated by the Director) and the Supervisor.
- c) If none of the two external examiners are able or willing to conduct the *viva-voce* examination, another name shall be picked up for the purpose by the Director from the panel.
- d) The date of *viva-voce* examination, to be conducted by one of the external examiners and the supervisor, shall be fixed by the Controller of Examinations. It shall be open to be attended by Members of the DRC, all faculty members of the

Department, research scholars and other interested experts/researchers, but they shall not be entitled to ask any question.

- e) However, if the Supervisor is unable to attend the *viva-voce* examination, it may be conducted (with mutual consent of the Supervisor and the Co-Supervisor) by the External Examiner and the Co-Supervisor.
- f) In case Supervisor/Co-supervisor are not able to attend the viva-Voce examination despite assent for the given date, the Director may allow the Viva Voce to be conducted by external examiner only.
- g) In case *viva-voce* examiner is not satisfied by the *viva-voce* and does not recommend the thesis for the award of the degree, the Director shall appoint the second examiner (who evaluated the thesis) for conducting the *viva-voce* examination. The report of the first *viva-voce* examiner shall be sent to the second examiner.
- h) If the second examiner recommends the thesis for the award of the degree, the degree may be awarded. If the second examiner also rejects the case, the case shall be referred to RDC. The RDC may reject the thesis or it may recommend for the appointment of the third *viva-voce* examiner from the approved panel.

15.14 The reports of all the examiners, including those of the *viva-voce* examination(s), shall be placed before the Research Degree Committee. Such reports may be accepted by the Committee if all records are found in order.

#### **16. Depository with INFLIBNET:**

16.1 On the successful completion of the evaluation process and before the announcement of the award of the Ph.D. degree(s), the Controller of Examination shall submit an electronic copy of the Ph.D. thesis to the INFLIBNET, for hosting the same so as to make it accessible to all Institutions/Colleges.

16.2 Prior to the actual award of the Ph.D. degree, the Institute shall issue a Provisional Certificate certifying to the effect that the Ph.D. is being awarded in accordance with the provisions of UGC (Minimum Standards and Procedures for Award of Ph.D. Degree) Regulations, 2022.

#### **17. Publications of thesis**

No Thesis shall be published without the prior permission of the Institute. The research scholar may apply to the Registrar for permission to publish his thesis within two years from the date of award of the Ph.D. Degree.

#### **18. Withdrawal of degree**

The Academic Council shall have the right to withdraw the degree in case the Council is convinced that the degree has been obtained using illegal means and /or has been obtained in violation of standards and norms of the relevant statutory bodies and /or the Statutes of the Institute.

#### **19. Fee**

Fee, to be paid by the candidate at the time of admission or annually or for extension or for evaluation, etc., will be as laid down from time to time by the Institute.

#### **20. Jurisdiction**

Once registered, the student and his work shall be under the general disciplinary control

of the Department. Any legal dispute relating to Ph.D. admission of students will be subject to Courts at Panipat or Courts having jurisdiction in Panipat.

\*\*\*\*\*

**Candidate's Declaration**

I, ..... hereby declare that the work presented in this thesis titled .....  
..... in fulfillment of the requirements for the award of Degree as per UGC (Minimum Standards and Procedures for Award of Ph.D. Degree) Regulations, 2022, submitted in the Faculty of .....  
..... at Panipat Institute of Engineering and Technology, Panipat, is an authentic record of my own research work under the supervision of .....  
..... I also declare that the work embodied in the present thesis (i) is my original work and has not been copied from any Journal/thesis/ book, (ii) my thesis has been checked on Plagiarism checking software .....  
..... and (iii) has not been submitted by me for any other Degree/Diploma in any University/Institution.

(Signature of Candidate)

Registration No.: .....

Name: .....

Designation: .....

Faculty: .....

Countersigned

(Signature of supervisor)

**Annexure - II**

**Certificate of the Supervisor(s)**

This is to certify that the thesis titled .....  
..... submitted by .....  
..... for the award of Degree of  
Doctor Philosophy in the Faculty of .....  
..... of Panipat Institute of Engineering and Technology, Panipat is  
a record of authentic work carried out by him/her under my/our supervision. The matter  
embodied in this thesis is the original work of the candidate and has not been submitted  
for the award of any other degree/diploma in any University/ Institution. It is further  
certified that he/ she has worked with me/us as per the UGC (Minimum Standards and  
Procedures for Award of Ph.D. Degree) Regulations, 2022.

(Signature of Co Supervisor, if any)

(Signature of Supervisor)

Name:.....

Name:.....

Designation:.....

Designation.....

Faculty:.....

Faculty:.....