JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY
(Deemed University)

<u>Ordinances & Regulations for the
Degree of Doctor of Philosophy</u>

PREAMBLE

Jaypee Institute of Information Technology (Deemed University) offers postgraduate programs leading to the award of the Degree of Doctor of Philosophy, (PhD). The award of PhD Degree is in recognition of high academic achievements, independent research and application of knowledge to the solution of technical and scientific problems. Creative and productive inquiry is the basic requirement underlying the research work.

The academic program leading to the PhD Degree is broad-based and may involve course credit requirements at the discretion of the Institute and a non-optional research thesis.

The Degree of Doctor of Philosophy (PhD) of the Jaypee Institute of Information Technology (Deemed University) shall be conferred on a candidate who fulfils all the requirements specified in these Ordinances and Regulations.

1. CRITERIA AND PROCEDURE FOR ADMISSION TO PhD PROGRAM

1.1. Minimum Qualifications :

(i) Regular (Not distance mode) M. Tech Degree for Ph.D. in Engineering / Technology in respective branch with 60% Aggregate Marks or equivalent CGPA.

(ii) Regular (Not distance mode) Master's Degree for Ph.D. in Sciences / Humanities / Social Sciences / Management / Pharmacy with 60% Aggregate marks or equivalent CGPA.

(iii) Consistently good academic performance all through.

1.2. Admission

Admission is based on

(i) Satisfying the requirements of minimum qualifications as laid down in 1.1.

(ii) Performance in Interview for those who have qualified in SLET / UGC / CSIR (JRF) examinations.

(iii)   Performance in

   (a)   the PhD Entrance Test to be conducted by JIIT, Noida for all those who are not qualified in any of the examinations mentioned in 1.2.(ii) and

   (b)   the subsequent Interview.

(iv)   Candidates are required to discuss their research interests and proposed research work at the time of Interview.

(v)   JIIT would decide the number of Scholars to be admitted before the selections every time.

(vi)   Due attention will be given to the National Reservation Policy.

(vii)   Faculty members can be permitted to register directly.

(vii)   The students admitted to the PhD Program will be required to register themselves for the specific Program. The registration will be renewed every semester on satisfactory progress.

2.   PhD THESIS SUPERVISOR(S), THEIR ELIGIBILITY CRITERIA AND ALLOCATION

2.1.   For every PhD student, a PhD Supervisor will be decided considering available specializations of the faculty members and research interests of the student.

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), Head of the Department and three Senior Faculty members (including one from an allied discipline) to be nominated by the Vice-Chancellor / Director.

2.2.   The Supervisor shall be himself / herself a PhD degree holder.

2.3.   The DPMC may permit a Co-Supervisor from within or outside JIIT who fulfills the same condition of having PhD, as the main Supervisor.

2.4.   At any given point of time, no Supervisor will have more than 8 PhD students.

2.5.   In exceptional cases where the research topic is of interdisciplinary nature, DPMC may permit supervisor-III with the approval of Vice Chancellor / Director/ Chairman CAC.

3. COURSE WORK

3.1. 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 / Humanities / Social Sciences / Management / Pharmacy.

   (iii) M.Phil in Science / Humanities / Social Sciences and Management (MBA) – 12 credits (including two core courses of Research Methodology and Literature Survey).

   (iv) M.Phil in Pharmacy – M.Pharm is equivalent to M.Tech.

3.2. Course work should be successfully completed within the first three semesters after registration.

3.3. The Research Scholar must obtain a minimum of 'B' Grade in every registered course/subject.

3.4. 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.

   (iii) (a) One Advanced Level Course/Subject for Scholars having M.Tech degree - 3 Credits

      or

      (b) Four Advanced Level Courses/Subjects for Scholars having Masters Degree in Sciences / Humanities / Social Sciences / Management / Pharmacy - 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).

4.   EVALUATION AND ASSESSMENT METHODS

4.1. Residential Requirement

(i)   The registered PhD students are required to work full time through out the tenure of their PhD Program.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). This period of stay in JIIT must be utilized in successfully completing the course work requirements in addition to interacting with the Supervisor(s) and finalizing the exact topic of the research. There will be no residential requirement for member serving in any institution of JES. Sponsored Research scholars (full time and part time) (who are day scholars residing into same town) will however fulfill all the requirements of residency by attending all the course work assigned to them.

(ii)   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 Co-Supervisor in his/her Organization and

    (b)   The Organization has necessary facilities to carry out PhD Research Work.

(iii)   Such candidates will have to be in constant touch with the main JIIT Supervisor. It is desirable that they spend at least two weeks every semester in JIIT and interact with the Supervisor.

(iv)   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 Co-supervisor for such candidates to have PhD Degree may be relaxed, provided, he/she has long R & D experience.

4.2. Minimum and maximum duration to qualify for the award of the PhD Degree

		Minimum Duration	Maximum Duration (including any extension)
(i)	For Candidates with M.Tech degree	Two years	Six years
(ii)	For Candidates having Master's Degree in Sciences / Humanities / Social Sciences / Management / Pharmacy	Three years	Seven years

  (a) Maximum duration includes extension by one year for genuine reasons.

  (b) In case, a PhD scholar is not able to successfully complete the PhD within the maximum duration as specified above, his/her registration will expire and his PhD Program will be terminated.

4.3. Once the Scholar has

  (i) completed the course work requirement successfully,
  (ii) completed the Research Work,
  (iii) published at least two papers in referred journals and
  (iv) prepared a draft PhD thesis, he/she will be required to
      (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.

4.4. 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.

4.5. 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.

4.6. 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/Director. The First Panel will have Experts from within India and the Second Panel will have Experts from outside India.

4.7.   The Vice-Chancellor will finalize the Examiners, one from each Panel, to whom the Thesis will be sent for Evaluation after obtaining their consent.

4.8.   The approved Examiners will be approached, along with copy of the Synopsis seeking their consent.

4.9.   The Supervisor(s) is also required to submit an Evaluation Report on Thesis.

4.10. 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.

4.11. The External Indian Examiner will also be the Examiner for the Viva-Voce Examination (Open Defense).

4.12. The Recommendations and the Evaluation Reports from all the Examiners including the Supervisor(s) will be placed before the Vice-Chancellor/Director for further action.

4.13. If the Vice-Chancellor/Director finds the Recommendations and the Evaluation Reports from both the External Examiners Satisfactory, the date of final Viva-Voce Examination will be decided in consultation with the External Viva-Voce Examiner.

4.14. 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/Director, for Evaluation.

4.15. 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.

4.16. 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.

4.17. On the successful completion of the final PhD Viva-Voce-Examination and evaluation process the report shall be submitted to the VC/Director 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 .

4.18. After the approval of the Vice-Chancellor/Director, the award of the PhD degree would be announced and a Provisional Certificate would be issued to the candidate.

4.19. The final Degree will be awarded in the Convocation.

5. DEPOSITORY WITH UGC

Following the successful completion of 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.

6. GENERAL

Notwithstanding anything contained in these Ordinances & Regulations, all the PhD Scholars will be governed by the rules and procedures framed by the Institute in this behalf, and on matters of general discipline and in force from time to time.