

Ramdeobaba University, Nagpur

Research and Development Cell

**Guidelines for Integrated Ph.D. Admission (M.Tech + Ph.D.)**

The University offers exciting opportunity to motivated B.Tech. degree holders, with a keen sense of scientific enquiry, for pursuing Intergrated Ph.D. programme (M.Tech + Ph.D.) at different departments under Ramdeobaba University (RBU). The guidelines for the same are as follows:

**1. Areas of Specialization:**

Integrated Ph.D. programme shall be offered in the following departments of RBU:

- Computer Science and Engineering
- Electronics Engineering
- Electrical Engineering
- Mechanical Engineering
- Civil Engineering

Specific areas (research topics) shall be decided by the departments based on the following:

- a. Research interests of the Faculty
- b. Research areas of mutual interest and sponsoring industries, if any, and
- c. Research areas of other sponsored research projects being undertaken at RBU.

**2. Eligibility Criteria:**

A 4 year / 8 semester bachelor's degree with minimum of 75 % marks in aggregate or its equivalent grade on a point scale wherever grading system is followed. Relaxations and other rules will be as per UGC (Minimum Standards and Procedure for Award of Ph.D. Degree) Regulations, 2022.

**3. Selection Process:**

The selection will be based on the performance in the class XII, B.Tech / BE or equivalent examination / performance in the Test and the Interview conducted by RBU. Candidates with valid GATE score will be preferred.

Candidates from abroad / NRI category / nominees of foreign Governments shall be accepted based on percentage of marks secured in B. E. / B. Tech or equivalent examination along with that in X+2 examination.

#### **4. Start of session:**

The candidates enrolled to the Integrated Ph.D. programme shall report to RBU for completing admission formalities by 31<sup>st</sup> July each year (Extendable on reasonable grounds with prior permission and subsequent positive decision by the Director, Admissions, RBU). The session shall commence from 1<sup>st</sup> August each year. Other important requirements are as under:

- a. At the time of joining, candidates should have completed all the requirements for the award of the qualifying degree including all examinations, dissertation projects, viva voce, etc.
- b. Only candidates who produce all the mark sheets and degree certificates (original or provisional) issued by the University Authority will be given regular admission.
- c. Candidates who are awaiting results but have completed all formalities for the award of a degree should produce at the time of joining, a Course-Completion Certificate, issued by the Head of the institution (The Principal/Registrar). Such candidates shall be given provisional admission, which will be regularized on producing all the marks sheets and degree certificates (original or provisional) issued by the University Authority. The documents will have to be submitted on or before 31<sup>st</sup> October each year, (Extendable on reasonable grounds, with prior permission and acceptance of Director, Admissions) failing which, the provisional admission shall stand cancelled.
- d. The department shall nominate one mentor faculty to every candidate admitted for guiding them on selection of courses and any other requirements, during the completion of course work.

#### **5. Duration of Programme and Course work:**

The Integrated Ph.D. programme will be of minimum five years and extendable under unavoidable circumstances by one more year with the permission of the Chairman, Board of Management.

The course work shall have following broad components:

1. Core Courses (40 credits)
2. Research Methodology, Technical Communication and Patent Writing (10 credits)

### 3. Project work / Industry Internship and Seminar (10 credits)

Total credits of the course work shall be 60.

The faculty mentors of the department shall guide the candidates on activities like selection of courses (Regular courses offered by the department or NPTEL), seminar topics, project discussion etc., till the course work is completed by candidates. Candidates are expected to complete the course work with minimum 75% marks or equivalent grade, for being eligible to continue for the Ph.D. program. The candidates may opt for improvement in grade by appearing at successive examinations however, they shall complete the requirements within one and half years (extendable by six months on reasonable grounds, with prior permission and acceptance of Dean of the concerned school and Head of department). The admission may be cancelled if the course work is not completed within two years of registration to the programme. Faculty mentors shall maintain record of the courses successfully completed by the candidates mentored by them and discuss the same with the Dean of School and Head of the department, once in every semester.

On successful completion of the course work, the department shall allocate Ph.D. guide to the candidate and get the research topic approved in the subsequent Department Research Advisory Committee (DRAC). It is expected that the research work carried out by the candidate is in line with selection of courses he / she had made during the course work and the total duration of Programme does not exceed the time limit of five years from the date of registration.

#### **Exit Option:**

After completion of course work successfully, the candidate shall have an option of exiting the programme with an M.Tech. Degree, in the concerned subject. However, they shall be required to complete the following additional requirements:

1. Core / Elective Courses (6 credits) and
2. Six months Project / Industry Internship / Research Internship (14 credits)
3. Publish at least ONE Research Paper in SCOPUS indexed Journal, apart from additional course work in 1 and 2 above.

On completion of all the above additional requirements, the name(s) of such candidate(s) eligible for M.Tech. Degree shall be forwarded by the department

to R&D office for approval from the Vice Chancellor. On approval, the name(s) shall be shared with the Controller of Examinations (CoE), RBU, for awarding the M.Tech. Degree in the ensuing Convocation of RBU. The copy of the same shall also be shared with the offices of Director Admissions, Registrar and Finance, for record.

#### **6. RBU Fellowship:**

After completion of course work successfully, for candidates willing to pursue Ph.D., RBU fellowship of up to Rs. 37,000/- per month for GATE qualified candidates and Rs. 25,000/- per month for non-GATE candidates is applicable for for a period of three years or till the completion of Ph.D. work, whichever is earlier. Fellowship will be subjected to minimum 75% marks in all courses, projects and seminars undertaken by the candidate and on the recommendation of the faculty coordinator and Head of respective department. RBU reserves the right to discontinue the fellowship if the above criteria is not met or the candidate is involved in any other activity deemed inappropriate as per RBU rules. In addition, students are encouraged to seek the financial support from various organizations such as DST, DBT, CSIR and many other bodies and trusts.

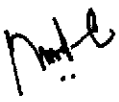
#### **7. Publication Requirements for completion of Ph.D. work:**

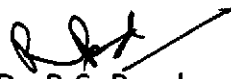
All the candidates registered under Integrated Ph.D. Programme shall publish atleast THREE Indexed Journal Papers out of which at least ONE paper shall be indexed in SCIE and TWO others indexed in SCOPUS / Web of Science.

In addition to above, the candidate shall also publish TWO Conference papers in the International Conferences, where the proceedings are indexed in SCOPUS or Web of Science.

#### **8. Periodic Evaluation Ph.D. work, Pre-Submission of Ph.D. work and Final Viva-Voce:**

Periodic evaluation of the Ph.D. work, Process for Pre-Submission and Final Viva-Voce for Ph.D. candidates registered under Integrated Ph.D. Scheme shall be same as that for other category students and as per the document "Ph.D. Admissions: Rules and Regulation Governing Ph.D. Programme" of RBU.

  
Dr. D.S. Adane  
Director, R&D

  
Dr. R.S. Pande  
Vice Chancellor