



RBU

RAMDEOBABA UNIVERSITY, NAGPUR
Formerly Shri Ramdeobaba College of Engineering & Management (RCOEM) Est. 1984
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[RBU/Ph.D./G/2025/Rev 0]

Ph.D. Admissions

Rules and Regulations Governing Ph.D. Programme

(In line with University Grants Commission (Minimum Standards and Procedures for Award of Ph.D. Degree) Regulations, 2022)



RBU
RAMDEOBABA UNIVERSITY, NAGPUR
Formerly Shri Ramdeobaba College of Engineering & Management (RCOEM) Est. 1984

R&D Cell

Ramdeobaba University (RBU), Nagpur
(Formerly Shri Ramdeobaba College of Engineering and
Management, Nagpur (RCOEM))

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Preamble

These rules and regulations shall govern all Ph.D. programmes in RBU, Nagpur. As a result of the sound research base and extensive infrastructural facilities available, the RBU offers Ph.D. Programmes (full-time and part-time) in a wide range of areas in Engineering, Management, Humanities and Sciences. The broad objective of the Ph.D. Programme is to keep pace with the ever-expanding frontiers of knowledge in Sciences and Technology culminating in the contemporary social and economic objectives of the country. RBU envisages research in interdisciplinary areas through a system of joint supervision and interdepartmental group activities.

1. School's offering Ph.D. Programme under RBU

The schools offering Ph.D. programmes under different departments of RBU are as given below:

S.No	School	Departments
01	School of Computer Science and Engineering	Computer Science and Engineering
02	School of Electrical and Electronics Engineering	Electronics Engineering and Electrical Engineering
03	School of Engineering Sciences	Civil Engineering and Mechanical Engineering
04	School of Management	Management Technology
05	School of Humanities and Sciences	Physics, Chemistry, Mathematics, Humanities, Physical* Education

*→ Subject to availability of Supervisors

The details of faculty supervisors per department and vacancy per supervisor is available at RBU website www.rbunagpur.in

2. Ph.D. Programmes offered by RBU

Admission shall be offered under following categories:

S.No	Category	Departments
1	Ph.D. with Stipend (Sponsored) (Teaching Assistantship, Research Assistantship) AICTE Doctoral Fellowship (ADF) Awardees, Visvesvaraya Ph.D. Scheme, Quality Improvement Proram (QIP) candidates are allowed	1. Civil Engineering 2. Computer Science & Engineering 3. Electrical Engineering 4. Electronics Engineering
2	Ph.D. without Stipend (Self-Sponsored)	5. Mechanical Engineering 6. Management Technology 7. Humanities and Sciences

2.1 Ph.D. with Stipend

Candidates desirous of pursuing Ph.D. with Stipend should note that:

- The Teaching Assistantship and the stipend/emoluments will start only after their approval from Department Research Advisory Committee of concerned department (DRAC) of RBU, as a Ph.D. scholar.
- The emoluments for Full-Time Ph.D. scholar with a teaching assistantship would be as per prevailing norms of RBU.
- Teaching assistantship shall be reviewed after a period of three years to ascertain quality of the research work and reinstated only if the work is found satisfactory. The concerned Department Advisory Committee (DRAC) shall recommend continuation / discontinuation of stipend.
- The research Scholar will be available on campus during regular working hours of the University to carry out the research in the department.
- The research scholar will take a teaching load / research or technical work, as assigned by the department, of 4-6 Hrs. per week during working hours and complete course work with minimum 55% marks or its equivalent grade in the UGC 10 point scale in the course work to be eligible to continue in the programme as per UGC guidelines.

- f. The number of seats per department may change depending on the availability of Ph.D. vacancy, availability of supervisor and suitability of the candidate.
- g. The candidate's approval for teaching assistantship will be confirmed after signing the undertaking form. (Annexure-I)
- h. The scholar shall submit a No Objection Certificate (NOC) from the present employer, if any, for pursuing Ph.D. at RBU.(Annexure-II)

The scholars enrolled under Fellowship Program of AICTE or any other national agency shall abide by all the rules mentioned in para 2.1 and shall be governed by the norms of enrolling body / agency.

2.2 Ph.D. without Stipend

- a. The scholars enrolled under the category, shall submit No Objection Certificate (NOC as per Annexure III) from employer clearly stating that:
 - i. The candidate is permitted to pursue Ph.D. as a Self-Sponsored candidate
 - ii. His / her official duties permit him / her to devote sufficient time for research
 - iii. If required, he / she will be relieved from the duty to complete the course work
- b. The scholars enrolled under this category shall not be entitled for stipend from RBU. However, they shall be available on campus during the DRAC meetings.
- c. The number of seats per department may change depending on the availability of Ph.D. vacancy, availability of supervisor and suitability of the candidate.
- d. The candidate's registration under the scheme shall be subjected to his/her signing the undertaking (Annexure IV).
- e. The candidate's registered under the scheme shall complete course work with minimum 55% marks or its equivalent grade in the UGC 10 point scale in the course work to be eligible to continue in the programme as per UGC guidelines.

3. Conversion from Ph.D. (Sponsored) to Ph.D. (Self-Sponsored) or Vice-Versa

The candidate who has registered himself / herself under Ph.D. (Sponsored) category may subsequently opt for change to registration under Ph.D. (Self-Sponsored) category or vice versa. He / She shall submit application duly authenticated by Supervisor,

Head of concerned department and Director of school to R&D Cell. The decision in this regard shall be taken by the Vice-Chancellor, on case to case basis.

4. Interdisciplinary Research

The Department Research Advisory Committee (DRAC) shall approve and recommend the research topic as interdisciplinary. The recommendation shall be forwarded by Head of department and Director of the concerned school to the Vice-Chancellor for final approval. If necessary, the Vice-Chancellor may form a separate Interdisciplinary Committee to approve the topic as Interdisciplinary. Any approved supervisor of the university can be the supervisor for the candidate and the co-supervisor can be from RBU or experts / eminent scholars from outside RBU will be allowed to work as co-supervisor with special permission of Vice-Chancellor on case to case basis. The appointed co-supervisor shall give his consent for guiding the candidate (as per Annexure V).

5. Duration of Ph.D. Programme

- a. Ph.D. programme shall be for minimum duration of three years and maximum of Five years, including course work, from the date of admission.
- b. The validity of registration shall normally expire on completion of five years from the date of admission. However, extension of one year may be granted in exceptional circumstances provided the scholar submits an application, citing the valid reasons, to the Head, Place of Research, before expiry of five years. Such applications shall be reviewed by the DRAC of the concerned department and the recommended cases shall be forwarded to Vice-Chancellor through office of Dean R&D, for final approval. If deem fit, Vice-Chancellor may grant extension for a period of maximum one years.
- c. Other circumstances warranting extension of duration of Ph.D. such as 40% Disability (duly certified by competent authority), Maternity leaves, Natural calamities, Prolonged Medical conditions shall be handled as per UGC guidelines and RBU norms.

6. Eligibility Criteria for Admission to Ph.D. Programme

- a. The eligibility for seeking admission/registration to Ph.D. program at Ramdeobaba University shall be governed strictly by the University Grants Commission (Minimum Standards and Procedures for Award of Ph.D. Degree) Regulations, and RBU norms. The details can be accessed through University website, www.rbunagpur.in
- b. The following candidates shall be eligible to seek admission to the Ph.D. program:
Candidates who have completed:
 - i. 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

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 Commission from time to time.

Provided that a candidate seeking admission after a 4-year/8-semester bachelor's degree programme 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, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the Commission from time to time.

- ii. Candidates who have completed the M.Phil. programme with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading

system is followed 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 Commission from time to time.

7. Selection Procedure

Ph.D. Entrance Test (RBU PET) shall be conducted as per the procedural norms of RBU and regulations of the UGC. Waiver for qualifying the PET examinations and the reservation criteria shall be as per UGC norms.

- a. The RBU Ph.D. Entrance Test (RBU-PET) shall be normally conducted twice a year in the months of December and June in ONLINE Mode or as decided by higher authorities. University may conduct examination in OFFLINE mode in exceptional circumstances, if the request is made in this regard. The date and time of the examination will be notified through an advertisement in local newspapers and University website. In case of any adverse situation, there may be change in date of RBU-PET with the permission of Vice-Chancellor.

For Foreign students, University may conduct ONLINE test at the permitted location(s) in the country of such students.

- b. Exemption from RBU-PET for Ph.D. Program:

- i. Candidates who have qualified the UGC-NET (including JRF) / UGC-CSIR NET (including JRF)/SLET/GATE/GPAT/DST-Inspire/Teacher Fellowship of state/ Central Govt. apex bodies.

OR

- ii. Candidates who have passed M.Phil. program in the concerned subject from any statutory University.

OR

- iii. Foreign / NRI candidates who have obtained master's degree with atleast 55% marks or equivalent CGPA (6.0) and passed PET examination conducted by university.

OR

- iv. Candidate already possessing Ph.D degree in any discipline from any statutory University shall be exempted from RBU-PET.

c. Tenure of validity of RBU-PET Result:

RBU-PET being one of the eligibility criteria for applying for Ph.D. admission, the declaration of the candidate to be successful in examination shall not confer on the candidate, the right of admission/registration. Once the candidate has cleared the RBU-PET, he/she will be eligible for admission to the Ph.D. program throughout his/her career. Candidates who have cleared RBU-PET examination in the past shall also be considered eligible for admission to Ph.D. Program.

d. Pattern of examination:

- i. The examination shall have maximum 100 marks and be divided in two sections viz. Section A- Research Methodology and General Aptitude and Section B- Subject Aptitude
- ii. Each section shall have maximum 50 marks. Section A shall have MCQ's only while Section B can have all MCQ's or MCQ's and theory questions. The exact pattern of examination will be communicated to the Ph.D. aspirants before the examination.
- iii. Maximum duration of the exam for each section shall be 60 minutes.
- iv. The examination for two sections shall be held on the same day with a time gap of minimum 1 hour between two examinations and the date and time of examination shall be intimated well in advance.
- v. Examination shall be conducted in English language.

8. Procedure for Admission to Ph.D. programme and Registration of Research topic

- a. After declaration of results of RBU PET, the successful candidates shall be informed about the result and asked to appear for interview. A merit list based on weightage of 70% for RBU PET score and 30% for Interview shall be prepared by every department offering Ph.D. program. A composite score of 50% shall be necessary to

declare the scholar eligible for pursuing Ph.D. at any of the research centers under RBU.

- b. Scholars claiming for waiver from PET, as per UGC norms, shall be evaluated on the basis of Interview.
- c. The list of provisionally selected candidates shall be prepared and candidates asked to submit relevant qualifying documents viz marksheets of qualifying UG and PG exams, Scores of qualifying exam (if waiver from PET is sought), documents related to category (SC/ST/OBC and others as per UGC guidelines) and No Objection Certificate (if applicable). The list of provisionally selected candidates, documents to be submitted and submission date shall be made available on the University website (www.rbunagpur.in). The departments shall prepare a list of provisionally selected candidates along with tentative guide allotments and ask the candidates to discuss the possible areas of research with the guides and prepare synopsis (as per Annexure XII) for presentation in DRAC meeting.
- d. The documents received as above, shall be scrutinized at the concerned departments of RBU, as per the norms and regulations. After verification of all documents, the respective department shall communicate with the eligible candidates and inform them about the scrutiny result (in case of discrepancy) and the date of conduction of Department Research Advisory Committee (DRAC) meeting. (Refer Annexure-VI for composition of DRAC).
- e. The selected candidate shall take provisional admission within a week by paying the registration fees. They shall submit in triplicate (03 copies) the Admission form along with attested documents, copy of fees receipt and undertaking as per Annexure I / Annexure IV, whichever applicable, to the concerned department. After verification, every department Ph.D. coordinator shall keep one copy in department and submit one copy of every admitted candidate to the Office of Dean Academics.
- f. Department Research Advisory Committee (DRAC) meeting shall be conducted by every department, within 15 days of declaration of provisionally selected candidates. The eligible candidates shall give a presentation on the identified area of research before the concerned DRAC for approval. DRAC shall approve / disapprove the Ph.D. topic based on its relevance and strength. Based on DRAC approval, a final list of provisionally selected candidates shall be prepared. Final allocation of the Supervisors to the selected candidates and the title of research shall also be finalized during DRAC meeting. The departments shall send final list

of provisionally admitted candidates along with name of supervisor, topic and category under which the Ph.D. admission is sought, to the office of Dean Academics. The final admission letters shall be issued to all the selected candidates through the office of Dean Academics subject to the approval of Ph.D. work from DRAC and completion of minimum 06 credits of course work on Research Methodology, within 12 months of provisional admission.

- g. Every Research scholar admitted to Ph.D. program is required to successfully complete the Course work of 12 credits (course(s) of 6 credits on Research Methodology and additional course(s) of 6 credits on the topics related to Ph.D. work, in consultation with supervisor) with minimum 55% marks or its equivalent in the UGC 10-point scale. The research scholar must complete the said course work within 18 months (One and half years) of registration. Non compliance may lead to cancellation of registration.
- h. DRAC meeting of respective Department under RBU shall be conducted twice a year. The DRAC shall approve the new registrations of Ph.D. Programme(s) (as per Annexure XI) and evaluate research work before submission of final thesis in Pre-submission seminar. The decision of DRAC regarding topic of research work and final thesis submission shall be final and binding on the candidate.
- i. Regular six monthly progress seminars shall be conducted for every research Scholar, registered at the place of research, on RBU campus. The date and time of seminars shall be notified to the research scholars by the respective department Ph.D. coordinators.

9. Recognition as Research Supervisor and Allocation of Supervisors

- a. Only a full-time regular faculty member of RBU shall be recognized as a research Supervisor.
- b. All faculty members of the RBU, who are recognized Ph.D. Supervisors of RTMNU as of date, in their domain/discipline, shall continue to be the incumbent Ph.D. Supervisors with respective place of research of RBU.
- c. Any eligible faculty member of the University desirous of receiving Ph.D. Supervisor recognition for the first time shall submit the application to Vice Chancellor RBU as per the prevailing rules and regulations of the University (as per Annexure VIII). The faculty member shall become eligible to supervise the candidates only after

receiving approval from the University Research Monitoring Committee (URMC), RBU.

- d. The appointment of any regular faculty as a PhD Supervisor will be as per UGC guidelines.
- e. Interested experienced experts from Industry/Corporate/R & D Organizations/Public Sector Companies/Institutes of National Importance with Ph.D. degree having relevant illustrious experience in the R & D department or equivalent contribution such as Granted patents/Copyrights/Intellectual property in any visible form/Transferred Technology/Commercialized Product etc., shall be approved as Co-Supervisor by the DRAC.
- f. In case of topics that are of inter-disciplinary nature where the concerned Department feels that the expertise in the Department must be supplemented from outside, the Department may identify and associate, a Co-Supervisor from outside the Department/School/University/ Industry/Corporate/R & D organization with the approval of DRAC on such terms and conditions as may be specified and agreed upon by the consenting Institution/Organization (as per Annexure V).
- g. A Research Supervisor who is a designated Professor, at any given point in time, cannot guide more than Eight (8) Ph.D. candidates. An Associate Professor as Research Supervisor can guide up to a maximum of six (6) Ph.D. candidates and an Assistant Professor as Research Supervisor can guide up to a maximum of four (4) Ph.D. candidates.
- h. At any point, the total number of Ph.D. candidates under a faculty member, either as a supervisor or a co-supervisor, shall not exceed the number prescribed in clause g, above.
- i. Each supervisor can guide up to two international research scholars on a supernumerary basis over and above the permitted number of Ph.D. scholars as specified above.
- j. The number of candidates permitted to supervise is in accordance with UGC guidelines and subject to change as notified by UGC from time to time.
- k. The allocation of a Research Supervisor for a selected research candidate shall be decided by the concerned DRAC depending on the number of candidates per Research Supervisor, the available domain/discipline expertise among the Supervisors.
- l. A Research Supervisor can supervise candidates up to attaining the superannuation as per prevailing norms of the University or till he/she is in the

service of the University, whichever happens, earlier. After Superannuation, he/she can continue as a co-supervisor until reaching the age of 70 years.

- m. No fresh candidates shall be allocated to a research supervisor if his/her remaining service as a regular faculty is less than three years.
- n. A Co-Supervisor, who is also a recognized Research Supervisor at the University, must be associated with the ongoing candidates if the Supervisor's remaining service as a regular faculty is less than 2 years.
- o. When a Supervisor leaves service at the University or is unable to supervise on any account for a valid reason, an alternate Supervisor for his/her candidates shall be nominated the by Vice chancellor in consultation with the Head of the Department which is subjected to approval by DRAC.

10. Appointment of Co-Supervisor

A Research Scholar can opt for Co-Supervisor from within RBU or outside by applying to Head of the Department, citing valid reasons for the same. If found genuine, the Head of Department shall forward the case to DRAC for approval. If approved by DRAC, the Head of Department shall notify the same to Controller of Examinations and Dean R&D office.

11. Payment of fees

- a. The academic year shall be considered from 1st July to 30th June. OR 1st Jan to 31st Dec every year.
- b. If candidate's registration date falls within 1st Jul - 31st Dec, then the start of the academic year shall be considered from 1st July, whereas if the candidate's registration date falls within 1st Jan - 30th Jun, then the start of the academic year shall be considered from 1st Jan. All fees shall be paid from 1st to 15th date of the respective academic year. The delay in payment of annual fees may invite a penalty of Rs.10,000/- per semester/cancellation of registration/termination of admission.
- c. Candidate shall not be allowed to appear for the Six-monthly progress seminar without payment of fees.

- d. If the thesis submission is done after 1st Jan/1st July (as per the candidate's academic year), the candidate shall be required to pay the fees for the next academic year subject to a maximum of SIX years.

12. Cancellation of Admission / Registration

Cancellation of Ph.D. registration can be voluntary or for misconduct.

For voluntarily cancelling the admission, scholar shall submit signed application duly endorsed by supervisor and Head of department to the the Dean R & D office and Controller of Examinations (COE) for further action. The registration shall stand cancelled from the date of application.

If the candidate, after registration, is found guilty of misconducts like indiscipline, dereliction of duties, unbecoming behavior, insubordination etc., related to his / her research and / or at place of research including non payment of fees before due date, remaining absent for two successive seminars and unsatisfactory performance, the registration shall be cancelled by the relevant DRAC on receiving the report from supervisor and the Head of department. The Head of department, before submitting report may grant an opportunity to the candidate for submitting his explanation and shall conduct such enquiry, as deemed necessary. The report duly signed by DRAC members shall be submitted by Head of department to the Controller of Examinations and Dean Academics for information.

13. Progress Review & Reports

- a. Registered candidates shall fulfill all norms and procedures of RBU on evaluation through Progress reports / Progress seminars at the respective department.
- b. It is mandatory for research scholars to give a progress seminar from the date of admission, on his / her research work, every six months in concerned departments as per the schedule displayed in the department.
- c. A brief write-up outlining the work previously done, the current status and the future plans shall be submitted by the scholars during seminar.
- d. DRAC Report (as per Annexure X) of each six-monthly progress seminar shall be duly forwarded by Head of department to the office of the Controller of Examination and Dean Academics office of RBU, within a week.

14. Requirements for Submission of Thesis

- a. Research Scholars shall fulfill all norms and procedures of RBU for Thesis Submission.
- b. After completion of Research work by the scholar and on approval by DRAC, a presubmission seminar of the candidate shall be scheduled by the Head of department in the subsequent DRAC meeting.
- c. Following are the requirements for submission of Thesis:
 - i. Completion of 12 Credits of Course work as outlined in Section 8 (g)
 - ii. All Ph.D. Scholars shall publish minimum **TWO research papers** in reputed Journals. Out which one journal publication should be SCIE /SCCI/ABDC/AHCI for PhD registrations in Engineering / Basic Sciences / Management / Humanities respectively. The other journal publication shall be SCOPUS indexed or indexed in any other indices of Web of Science.

In addition to journal publications, research scholars shall also publish atleast **TWO papers in International Conferences** where the proceedings are indexed in either Scopus or Web of Science.
- d. The Head of department shall submit approved Presubmission Seminar report, duly signed by DRAC members, to the office of Controller of Examination and Dean, Academics office along with 5 signed copies of hard bound thesis (as per Annexure XIII), softcopy of thesis and summary report of thesis to the Controller of Examination office for further processing.

15. Evaluation of Thesis

- a. A list of FIVE external examiners shall be identified by Director of School and Head of department and forward it to Vice-Chancellor through Dean R&D office for seeking approval for examinership of research work. Dean R&D may suggest the competency of experts, as per the requirement. Out of FIVE, two experts shall be from State of Maharashtra (Outside RBU) and remaining from other States / Abroad. Vice-Chancellor may opt for additional members other than those in the list, as and when required.

- b. On approval, the list of approved examiners shall be submitted to the Controller of Examination office for getting the evaluation done by atleast TWO experts (One from within state and other from outside state) out of FIVE.
- c. The COE office shall obtain consent from two of the identified referees for evaluation of thesis by sharing the Summary report of thesis. A maximum of four weeks time shall be given by COE for seeking the consent from identified referees.
- d. If consent is not received from any of the identified examiner, COE shall opt for other examiners from the list after seeking written permission and approval from Vice-Chancellor, after consultation with Dean R&D.
- e. On receiving the consent, the COE office shall share the paper copy of thesis (through post) and also a softcopy (through mail), with experts, within a week, after receiving the consent, indicating a strict time line for the evaluation. He shall also share the evaluation report format (as per Annexure IX) for the evaluation.
- f. On receipt of evaluation reports of at least TWO experts, the COE shall open the reports in presence of the Vice-Chancellor, RBU. If both the experts recommend acceptance of thesis, then the process for conduction of Open Viva-Voce will be initiated. If both or either of the expert recommends modifications then the scholar shall submit revised thesis within 12 months from the date of communication from COE's office and the revised thesis shall be sent to the expert(s) who suggested revision and be subjected to process of evaluation and conduct of viva-voce.
- g. If either of the expert rejects the thesis, the COE shall sent the rejection report to the director of the concerned school for review and discussion in DRAC.
- h. If more than one expert rejects the the thesis, the scholar shall be declared to be ineligible for award of the Ph.D. degree.

16. Viva-Voce and Open Defense of the Thesis

- a. The day, date and the place of viva-voce and open defense of the thesis shall be notified by the office of COE one week in advance. The viva-voce shall be conducted offline / online as per the availability of the experts with the approval of Vice-Chancellor. However, one external examiner shall be offline.
- b. The open defense of the thesis shall take place and be jointly evaluated by a panel comprising of the following members:
 - i. Director of concerned school - Chairperson

- ii. Head of the department
 - iii. Supervisor of the research scholar
 - iv. Atleast one external examiner (Who evaluated the thesis)- Member (Present Offline)
 - v. At least one subject expert of DRAC
- c. Such open defense viva voce examination shall be open to be attended by Deans, members of DRAC, faculty members, research scholars and UG/PG students.
 - d. If the external examiner is unable to be present at the time of viva-voce and open defense, the Vice-Chancellor shall ask the COE to get the next suitable date from the external examiner, as per his availability.
 - e. The members present for the viva-voce and open defense of the thesis shall submit their duly signed final report regarding award of Ph.D. degree to the COE office. The COE shall place the evaluation reports of experts before Dean R&D and Vice-Chancellor for their acceptance and release of notification within 10 days.
 - f. In case the viva voce and open defense is not satisfactory, the members of Viva-Voce panel may recommend, with reasons, the need for fresh viva-voce and open defense of the thesis to concerned DRAC, within a period of not less than one month.

17. Conferment of Ph.D. Degree

Ph.D. degree shall be conferred on the candidate in the ensuing convocation of the university under the signature of Vice-Chancellor.

18. Academic Integrity and Prevention of Plagiarism

While pursuing research, the research scholar shall adhere to the Academic Integrity and Prevention of Plagiarism Policy of the RBU.

(Refer Academic Integrity and Prevention of Plagiarism Policy of the RBU available on university web site)

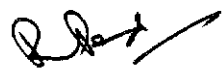
19. Academic, Research, Administrative and Infrastructure requirements to be fulfilled for getting recognition for offering Ph.D programmes

- a. Post-graduate Colleges offering 4-year Undergraduate Programmes and / or Post-graduate Programmes, may offer Ph.D. programmes, provided they satisfy the availability of eligible Research Supervisors, required infrastructure, and supporting administrative and research facilities as per the Regulations.
- b. Colleges and Research institutions established by central government or a State government whose degrees are awarded by Higher Educational Institutions shall offer Ph.D. programmes provided they have:
 - i. At least two faculty members in a college or two Ph.D. qualified scientist in the institution.
 - ii. Adequate infrastructure, administrative support, research facilities and library resources as specified by the Higher Education Institute.

20. Saving Clause

Notwithstanding anything contained herein, it is clarified that all cases in which the registration has been already granted, shall continue to be governed by the respective ordinances/directions/guidelines.


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


(Dr. Rajesh Pande)
Vice-Chancellor

Annexure I

Undertaking from Ph.D. Candidates (With Stipend)

On 500 Rs. Stamp Paper

Undertaking

I, -----Name of Ph.D. Scholar-----, the undersigned, hereby undertake and abide by the following rules and regulations made for the Ph.D. (Sponsored) with Fellowship of Ramdeobaba University (RBU), Nagpur.

1. I shall follow and fulfill all the requirements as per the relevant Ordinances, rules, and guidelines of Ramdeobaba University, Nagpur.
2. I shall publish **minimum TWO** research papers in the journals out which one journal publication shall be SCIE/SCCI/ABDC/AHCI and the other journal publication shall be SCOPUS indexed or indexed in any other indices of Web of Science. Apart from two journal publication, I shall publish **minimum TWO** research papers in reputed International Conferences, proceedings of which are indexed in Scopus/Web of Science.
3. I would mention my affiliation in all Research Publications as “**Research Scholar, Ramdeobaba University, Nagpur**”. Without this, I will not be able to submit my thesis.
4. I shall prepare and submit the research proposal to funding agencies like AICTE, DST, SERB, CSIR, etc. for my research. In all such proposals, my Ph.D. supervisor shall be the Principal Investigator.
5. During my Ph.D. tenure at RBU, I shall not publish without permission research papers, books, book chapters, monographs, personal patents, copyrights or any other IPRs, based on my research/projects carried out during my Ph.D. tenure.

6. I shall follow all rules, norms and regulations of Ramdeobaba University. I shall follow all the code of conduct and ethical practices and shall not indulge in anti-university activities.
7. Further, I declare that I have read and understood the following terms and conditions specified for the Ph.D. (Sponsored) Scholar of Ramdeobaba University, Nagpur and I agree to abide by these terms and conditions.

Terms and Conditions

1. You will remain enrolled as Ph.D. (Sponsored) Research Scholar at the Department of ----- as per the Rules and Regulations Governing Ph.D Programme of Ramdeobaba University, Nagpur.
2. You will remain on campus as per the timings of the university and shall carry out research. Apart from research activities you shall assist the university in its academic work or any other work related to Academic or Research as suggested by Supervisor / Head of the Department.
3. You will receive the fellowship per month as per the norms of RBU or Visvesvaraya / ADF or any other fellowship scheme of AICTE / govt organization, whichever is applicable.
4. Your performance as a Ph.D. Scholar will be reviewed after every year for award of fellowship. At any point of the time it is found that the performance is unsatisfactory the fellowship will be revoked.
5. You will be entitled to a maximum period of 15 days of leave in a year. You will not be entitled to any other leave or vacation. Prior approval from Head of the department is mandatory for availing the leaves.
6. Your admission to Sponsored Ph.D. program and / or fellowship are liable to the cancelation in case of misconduct, unsatisfactory progress of research work, failure in any examination related to Ph.D. or found ineligible later on.
7. If your registration for the Ph.D. program is cancelled, for whatsoever reason, the fellowship and other monetary benefits (if any) that have been received by you shall be paid back by you with interest. On failure to return the amount within a period of 3 months from the date of cancellation of the registration, the University shall take appropriate steps for recovery of the said amount from you.

8. All the patents filed during my Ph.D. work at RBU will have "Ramdeobaba University, Nagpur" as first name.

Signed on this Date:

Research Scholar's Name and Signature

In presence of:

1. Dr. Rajesh Pande – Vice Chancellor
2. Dr. D.S. Adane – Director, R&D
3. Dr. S.B. Bodkhe - Registrar
4. _____ - Supervisor

Annexure II

(On Letterhead of the Institute/Organization/Industry)

No Objection Certificate for Ph.D. candidate (Sponsored)

It is hereby certified that (Name of candidate) is working with (Name of Institute/Organization/Industry) as (designation).

..... (Name of the Institute) has **No Objection** in

..... (Name of candidate) joining the Ph.D. (Sponsored) programme at Ramdeobaba University, Nagpur.

If (Name of candidate) is admitted to (Name of School and Department) at Ramdeobaba University, Nagpur, for **Ph.D. (Sponsored) programme**, he/she will be relieved Full Time from his / her duty to complete the Ph.D. Programme.

Seal:

Name and Signature

Principal/Director/Industry Authority

Date: Place:

Annexure III

(On Letter head of the Institute / Organization / Industry)

No Objection Certificate for Ph.D. candidate (Self-Sponsored)

It is hereby certified that (Name of candidate) is working with (Name of Institute/Organization/Industry) as..... (designation).

..... (Name of the Institute / Organization / Industry) has No Objection in (Name of candidate) joining the **Ph.D. (Self-Sponsored) Programme** at (School name and Department), Ramdeobaba University, Nagpur.

It is further certified that, his / her official duties permit him / her to devote sufficient time for research and if required, he / she will be relieved from duty to complete the course work.

Seal:

Name and Signature

Principal/Director/Concerned Industry Authority

Date:

Place:

Annexure IV

Undertaking from Ph.D. Candidates (Self-Sponsored)

On 500 Rs. Stamp Paper

Undertaking

I, -----Name of Ph.D. Scholar-----, the undersigned, hereby undertake and abide by the following rules and regulations made for the Ph.D. of Ramdeobaba University (RBU), Nagpur.

1. I shall follow and fulfill all the requirements as per the relevant Ordinances, rules, and guidelines of Ramdeobaba University, Nagpur.
2. I shall publish **minimum TWO** research papers in the journals out of which one journal publication shall be SCIE/SCCI/ABDC/AHCI and the other journal publication shall be SCOPUS indexed or indexed in any other indices of Web of Science. Apart from two journal publications, I shall publish **minimum TWO** research papers in reputed International Conferences, proceedings of which are indexed in Scopus/Web of Science.
3. I would mention my affiliation in all Research Publications as “**Research Scholar, Ramdeobaba University, Nagpur**”. Without this, I will not be able to submit my thesis.
4. I shall prepare and submit the research proposal to funding agencies like AICTE, DST, SERB, CSIR, etc. for my research. In all such proposals, my Ph.D. supervisor shall be the Principal Investigator.
5. During my Ph.D. tenure at RBU, I shall not publish without permission research papers, books, book chapters, monographs, personal patents, copyrights or any other IPRs, based on my research/projects carried out during my Ph.D. tenure.
6. I shall follow all rules, norms and regulations of Ramdeobaba University. I shall follow all the code of conduct and ethical practices and shall not indulge in anti-university activities.

7. Further, I declare that I have read and understood the following terms and conditions specified for the Ph.D. Scholar of Ramdeobaba University, Nagpur and I agree to abide by these terms and conditions.

Terms and Conditions

1. You will remain enrolled as Research Scholar at Department of ----- as per the rules and regulations governing Ph.D. (Self-Sponsored) programme at Ramdeobaba University, Nagpur.
2. Your admission to Ph.D. program and your candidature shall be subject to the approval from the Department Research Advisory Committee (DRAC) of your school at RBU.
3. Your admission to Ph.D. (Self-Sponsored) program is liable to the cancelation in case of misconduct, unsatisfactory progress of research work, failure in any examination related to Ph.D. or found ineligible later on.
4. If your registration for the Ph.D. program is cancelled, for whatsoever reason, the fellowship and other monetary benefits (if any) that have been received by you shall be paid back by you with interest. On failure to return the amount within a period of 3 months from the date of cancellation of the registration, the University shall take appropriate steps for recovery of the said amount from you.
5. All the patents filed during my Ph.D. work at RBU will have "Ramdeobaba University, Nagpur" as first name.

Date:

Research Scholar's Name and Signature

In presence of:

1. Dr. Rajesh Pande – Vice Chancellor
2. Dr. D. S. Adane – Director, R&D
3. Dr. S. B. Bodkhe - Registrar
4. _____ - Supervisor

Annexure V
Registration of External Co-Supervisor

(This should be typed on a letter head of the Organization of Co-Supervisor)

1. Name of the Organization of Co-Supervisor:
.....
2. Address:
3. Present Designation of the Co-Supervisor:
4. Present status of the Applicant:
(Permanent/Quasi Permanent/Temporary)
5. Division where research work is proposed to be done (if applicable):
.....
6. Name of Co-Supervisor:
(Biodata of Co-Supervisor to be enclosed giving details of designation, qualification, research experience etc.)
7. Details of facilities (if any) relevant to the research problem which will be made available to the candidate by the organization.

Statement of External Co-Supervisor

I hereby agree to act as research Co-Supervisor, jointly with the research Supervisor from the Ramdeobaba University, for Mr./Mrs./Ms. who has registered for Ph.D. Programme at (School and Department) of Ramdeobaba University.

Name and Signature of External Co-Supervisor

Official Stamp:

Annexure VI

Department Research Advisory Committee (DRAC)

There shall be Department Research Advisory Committee (DRAC) at every department offering Ph.D. programme under RBU. The committee shall consist of:

1. Director of the concerned school within the university (Ex-Officio Chairperson).
The Vice-Chancellor may change the Chairman of DRAC and depute any other Director/Deputy director /Head (as the case may be) as the Chairman of DRAC, if required, for smooth and fair functioning of DRAC.
2. VC Nominee- Member
3. Two External Experts from outside RBU in the subject or group of subjects-Members.
(A panel of six experts shall be submitted by the head of the department through the school director, for nomination of Two by the Vice-Chancellor)
4. Recognized Research Supervisor of the Ph.D. Scholar (Member).
5. One subject Expert from the department (Member)
6. Head of the concerned Department (Member Secretary)

Atleast four members including one external expert shall constitute the quorum.

Functions of Department Research Advisory Committee (DRAC):

1. DRAC shall have the following responsibilities:
 - i. To review the research proposal and finalize the topic of research.
 - ii. 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.
 - iii. To periodically review and assist in the progress of the research work of the Ph.D. scholar.

2. Each semester, a Ph.D. scholar shall appear before the Department Research Advisory Committee to make a presentation and submit a brief report on the progress of his/her work for evaluation (as per Annexure XI) and further guidance. The Department Research Advisory Committee shall submit its recommendations along with a copy of Ph.D. scholar's progress report, to the head of the concerned department. One copy of the documents shall be kept in the department for record, one copy of the documents shall be submitted to the office of Dean Academics, and one copy provided to the Ph.D. scholar.
3. In case the progress of the Ph.D. scholar is unsatisfactory, the Department Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the Ph.D. scholar fails to implement these corrective measures, the Department Research Advisory Committee may recommend, with specific reasons, the cancellation of the registration of the Ph.D. scholar from the Ph.D. programme. The same shall be communicated to office of Dean Academics and COE office for information and necessary action.
4. After successful completion of research work, as per the RBU guidelines, the DRAC shall recommend conduction of Pre-submission seminar of the candidate.
5. Approve the Research Proposals for Ph.D. Registration, based on the strength, relevance, and completion of course work (minimum 06 Credit).
6. Evaluate research work before submission of final thesis through pre-submission seminar. In case the progress of the Ph.D. scholar is unsatisfactory, the DRAC shall record the reasons for the same and ask for re-evaluation at a latter date after the compliance of reasons by the candidate. The approved Ph.D. work, for submission of thesis, shall be submitted by Head of the department to Controller of Examination and Dean Academics office for further processing.
7. DRAC shall prepare and approve the List of Examiners (06) for evaluation of Thesis. Approved list shall be submitted to Controller of Examination and office of Dean Academics for further processing.

8. The DRAC shall proactively promote the research & Development activity in the school and ensure that research proposals prepared by investigators meet the highest scientific and ethical standards.

Annexure VII

RAMDEOBABA UNIVERSITY, NAGPUR

(Formerly Shri Ramdeobaba College of Engineering and Management, Nagpur)

APPLICATION FOR RECOGNITION AS A RESEARCH SUPERVISOR FOR Ph.D.

Passport size
photo

To,
The Dean R&D
Ramdeobaba University, Nagpur

Sir/Madam,

I hereby apply for acquiring recognition as a Supervisor (Research Supervisor)
for Ph.D. in the Subject..... in the School of
....., Ramdeobaba University, Nagpur.

1. Name of the Applicant (In Block Letter):
2. Home Address:
3. Present Position:
4. Past Post (held if any):
5. Date of Birth:

6. Ph. /Mobile No:

7. Mail Id:

8. Date of Retirement:

9. Academic Qualification (beginning from High School or Equivalent and onward):

S. No.	Name of Examination	Year	Board/Uni.	Division	Subject
01	SSC (Std X)				
02	HSSC (Std XII)				
03	UG				
04	PG				
05	Ph.D.				
06	Others				

10. Total Teaching experience –PG/UG courses:

11. Research Experience:

Title of Ph.D. Thesis & Year of Award (If applicable):

.....

12. Are you a recognized research guide of RTMNU / Other university?

(Yes/No):

If yes,

a. Give name of institution and year of recognition with proof

.....

b. How Many students are registered with you?

c. How many students supervised/ guided by you and have been awarded Ph.D. degree?

(Please give details of Name of student, Title of thesis and degree awarding institution with year. Attach a separate sheet)

13. Detail of Research Publications work if any (Separate sheet to be attached)
in the following format:

S.No	Author names	Title of Paper	Details of Journal / Conference Proceedings / Book (Name, ISSN, ISBN, Publisher etc.)	Year of Publication	Indexing
------	--------------	----------------	---	---------------------	----------

(Photocopies of at least three important Research Publications must be attached)

14. Number of Books/Technical report (if any) written or published

(Separate sheet to be attached for details)

UNDERTAKING

I hereby undertake that I have read all the instructions carefully and promise to abide by the provisions of rules and regulations issued by Ramdeobaba University, from time to time.

(Signature of the Candidate)

ENDORSEMENT OF THE PRINCIPAL/ EMPLOYER

Forwarded and recommended.

Date: Vice-Chancellor/ Director/Head of Institution

Seal of the institution:

List of documents to be attached:

1. True copies of all Mark-list/ Degree certificate.
2. Copy of Teacher approval / Appointment letter.
3. Copy of supervisor approval letter (If applicable).
4. Paper Copies of Research Publication as indicated in point 13.
5. Patent details if any.

Note:

1. Incomplete application will not be considered under any circumstances.
2. Endorsement of the Vice-Chancellor / Director/Head of Institution is required.

Annexure VIII

Thesis Evaluation Format

Examiner's Report on Ph.D Thesis

Part -I Detailed Evaluation

Name and Designation of Examiner:

Department and Affiliation:

Name of the Research scholar:

Name of the Research supervisor:

Ph.D. Thesis Title:

Kindly Adjudicate the thesis under the following three heads: Quality, Content and Presentation and Grade each of them on scale of (0-5) where:

‘5’ stands for ‘Excellent’

‘4’ stands for ‘Very Good’

‘3’ stands for ‘Good’

‘2’ stands for ‘Satisfactory’

‘1’ stands for ‘Poor’

‘0’ stands for ‘Inferior’

Quality:

- | | |
|---|---------|
| 01. Introduction to the work: | [] |
| 02. Review of Literature: | [] |
| 03. Scope of work: | [] |
| 04. Technical/Soundness
(Research/Methodology/Experimental set-up) | [] |
| 05. Problem Statement: | [] |
| 06. Originality of work: | [] |

- | | |
|--|---------|
| 07. Timeliness of work: | [] |
| 08. Contribution to the field : | [] |
| 09. Conclusions drawn : | [] |
| 10. Scope for further research in the field: | [] |

Content:

- | | |
|--|---------|
| 11. Adequacy of data and information: | [] |
| 12. Organisation of the thesis: | [] |
| 13. PDRACtical Application/Utility: | [] |
| 14. Adequacy of references/bibliography: | [] |

Presentation:

- | | |
|--|---------|
| 15. Clear explanation of the work: | [] |
| 16. Sufficient details of the methods/
techniques adopted: | [] |
| 17. Justification of the work done: | [] |
| 18. Clarity and unambiguity of the language: | [] |
| 19. Clarity of objectives: | [] |
| 20. Freedom from redundant/irrelevant
materials and errors. | [] |

Total scope out of 100:	[]
--------------------------------	----------------

(In words.....)

Part – II: A Detailed Report

A detailed report on the strength and weakness of the thesis is required. Kindly enclose a detailed report on a separate sheet of paper in addition to the proforma.

Part – III: Final Recommendations

It is my considered opinion that: (Please put mark)

- A. The thesis is recommended for the award of Ph.D., or
- B. The thesis is recommended for the award of Ph.D. Degree subject to the candidate giving satisfactory answers to queries specifically mentioned in the detailed report, at the time of Viva Voce examination, or
- C. The candidate be allowed to resubmit his / her thesis in a revised form as per suggestions given in the detailed report or
- D. The thesis be rejected.

Signature of the Examiner
(with name and stamp)

Annexure IX

Progress Seminar Evaluation Report

RBU/Name of School/Name of Dept/Ph.D.(DRAC)/Reg No Date:

PROGRESS SEMINAR EVALUATION REPORT

PLACE OF RESEARCH		Dept School	
DEPARTMENT			
1	Name of the Candidate		
3	Ph.D. Topic		
4	Date of Topic Registration		
5	Date of Progress Seminar Presentation		
6	Number of Publications	National Conference	
		International Conference	
		Scopus Index Conference	
		Scopus Index Journal	
		SCI Journal	
		Other Publication	

EVALUATION REPORT

Evaluation Committee/ Expert's comments:	
Consolidated Evaluation	Satisfactory/ Not Satisfactory

Evaluation Committee Members	Name, Dept, Organization	Signature
Supervisor		
Co-Supervisor (Optional)		
Dept Domain Expert		
External Expert		
Head of the Department		
Chair Person DRAC		

Annexure X

Topic Registration Seminar Evaluation Report

RBU/Name of School/Name of Dept/Ph.D.(DRAC)/Reg.No Date:

TOPIC REGISTRATION SEMINAR EVALUATION REPORT

PLACE OF RESEARCH		Department
		School
DEPARTMENT		
1	Name of the Candidate	
2	Date of Admission Confirmation	
3	Ph.D. Topic/Research Area	
4	Date of Topic Registration Seminar	

EVALUATION REPORT of DRAC

Evaluation Committee/ Expert's comments:	
Evaluation Status	The research topic is approved/ not approved. The candidate is advised to go ahead with the topic and consolidate the title as early as possible.

Evaluation Committee member	Name, Dept, Organization	Signature
Head of the Department		
Supervisor		
Co-Supervisor (Optional)		
Dept Domain Expert 1		
Expert from allied Department		
Expert outside University		
Signature of DRAC Members 1		
Signature of DRAC Members 2		
Signature of DRAC Chairperson		

Annexure XI
Synopsis Format

TITLE OF THE RESEARCH PROPOSAL

(It must be bold and in capital letters.)

SYNOPSIS

(Submitted for the registration for the Degree of Doctor of Philosophy)

SUBMITTED TO



Ramdeobaba University (RBU), Nagpur

BY

X.Y.Z (Full name of the candidate)

Under the supervision of

Dr. X.Y.Z (Full name of the supervisor)

DEPARTMENT OF

.....

SCHOOL OF

<Information Page>

- I. Title:
- II. Name of scholar:
- III. Department:
- IV. Proposed Research Supervisor name:
- V. Research Supervisor Designation:
- VI. School Name:

Signature of student

Signature and seal of Supervisor

Contents of Synopsis

1. Title

2. Introduction - Write about your topic- maximum-2-3 pages

3. Review of literature- writes previous work, which have done by other researcher related to your topic, about any experiment which will you carried during your research work.

(Maximum 3-4 Pages)

4. Statement of the Problem: State the rationale for carrying out the study. In other words, describe the gaps in information and work regarding the problem and state the justification for conducting the study.

(Maximum 1 Page)

5. Objectives: Delineate a few specific objectives of study

General objective is a broad area of study. General objective can be broken into three to four specific objectives based on various aspects of the study.

write objectives in point wise, like

A. -----

B.-----

C.-----

D. -----

6. Methodology: According to your topic & objectives, decide experiments/Simulations/analysis work to be carried out and write methods of those experiments/Simulations/analysis (step wise)

(Maximum-2 pages)

7. Workplan with timeline:

(Propose the minimum 3 Year Workplan with timeline refer below format)

Sr. No.	Particulars	Duration (in months)					
		6	12	18	24	30	36
1							
2							
3							
4							
5							
6							
7							

8. Significance of the Study: Explain the importance of research study you have proposed and its significance in the context of the area/ field of research proposal.

9. References

Selected list of recent references should be mentioned in IEEE format

(These references should be referred prior text specifically in point number 2)

Annexure XII
Thesis Format

Page 1: Certificate

Page 2: Declaration by Supervisor and Candidate on Originality of work

Page 2: Undertaking by Scholar and Supervisor regarding satisfiability of
norms for submission of thesis as per RBU Guidelines

Page 3: Plagiarism Report

Page 4: Index

Page 5: onwards: Detailed Thesis

.....

Annexures:

1. Publications

2. Proof of Work

Any other information supporting the work