

# Ph.D. Admissions

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## 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)



### **R&D Cell**

**Ramdeobaba University (RBU), Nagpur**  
**(Earstwhile 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](http://www.rbunagpur.in)

## 2. Ph.D. Programmes offered by RBU

Admission shall be offered under following categories:

S.No	Category	Departments
1	Ph.D. (Full-Time) <ul style="list-style-type: none"><li>• With Teaching Assistantship</li><li>• With a Research / Project / Technical Assistantship</li><li>• AICTE Doctoral Fellowship (ADF) Awardees, Visvesvaraya Ph.D. Scheme, Quality Improvement Proram (QIP)</li></ul>	1. Civil Engineering 2. Computer Science & Engineering 3. Electrical Engineering 4. Electronics Engineering
2	Ph.D. (Full-Time) Self Sponsored	5. Mechanical Engineering 6. Management Technology
3	Ph.D. (Part-Time) Self Sponsored / Sponsored	7. Humanities and Sciences

### 2.1 Ph.D. (Full-Time) with Assistantship

**Candidates desirous of pursuing Ph.D. with Teaching Assistantship 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 Full-Time 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 departments shall recommend continuation / discontinuation of stipend.
- A full-time research Scholar will be available on campus during regular working hours of the college to carry out the research in the department.
- A full-time research scholar will take a teaching load 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)

**Candidates desirous of pursuing Ph.D. (Full-Time) with a Research / Project / Technical Assistantship / Fellowships should note that:**

All the rules mentioned in para 2.1 shall be applicable to Scholars under Ph.D. (Full-Time) with a Research / Project / Technical Assistantship except point e above, which should be interpreted as follows:

*The full-time research scholar shall work towards completion of allotted task related to ongoing Research / Technical / Project work 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.*

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. (Part-Time) Sponsored / Self Sponsored**

- a. The scholars enrolled under the category of Ph.D. (Part-Time) Sponsored (not Self Sponsored), shall submit No Objection Certificate (NOC as per Annexure III) from employer clearly stating that:
  - i. The candidate is permitted to pursue Ph.D. on Part-Time basis
  - 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 RAC 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 of Full Time to Part Time programme or Vice-Versa**

The candidate who has registered himself / herself as a full-time / part time candidate may subsequently opt for change of mode. 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 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 Research Recognition Committee (RRC) of school 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 Six years, including course work, from the date of admission.

- b. The validity of registration shall normally expire on completion of six years from the date of admission. However, extension 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 six years. Such applications shall be reviewed by the RRC of the concerned school 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 two 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](http://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 conducted twice a year in the months of December and June in ONLINE Mode. 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 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 PET.

c. Tenure of validity of PET Result:

PET being one of the eligibility criteria for applying for Ph.D. admission, the declaration of the candidate to be successful in PET examination shall not confer on the candidate, the right of admission/registration. Once the candidate has cleared the PET, he/she will be eligible for admission to the Ph.D. program throughout his/her career. Candidates who have cleared 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](http://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 R&D and one copy to COE office.

- 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 R&D. The final admission letters shall be issued to all the selected candidates through the office of Dean R&D subject to the approval of Ph.D. work from RRC (refer Annexure VII for RRC composition) 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. RRC meeting of respective schools under RBU shall be conducted twice a year. The RRC 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, on approval from DRAC. The decision of RRC 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 Board of Research and Development, RBU.
- d. Any regular Professor/Associate Professor of the University with a Ph.D. degree with at least five research publications in SCI/Scopus indexed journals or equivalent and any regular Assistant Professor of the university with a Ph.D. degree and at least three research publications in SCI/Scopus indexed journals or equivalent may be recognized as Research Supervisor.
- 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 RRC on receiving recommendations from 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, with the approval of DRAC and RRC, a Co-Supervisor from outside the Department/School/University/Industry/Corporate/R & D organization, 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 by the 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 RRC for approval. If approved by RRC, 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 1<sup>st</sup> July to 30<sup>th</sup> June. OR 1<sup>st</sup> Jan to 31<sup>st</sup> Dec every year.
- b. If candidate's registration date falls within 1<sup>st</sup> Jul - 31<sup>st</sup> Dec, then the start of the academic year shall be considered from 1<sup>st</sup> July, whereas if the candidate's registration date falls within 1<sup>st</sup> Jan - 30<sup>th</sup> Jun, then the start of the academic year shall be considered from 1<sup>st</sup> Jan. All fees shall be paid from 1<sup>st</sup> to 15<sup>th</sup> 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 1<sup>st</sup> Jan/1<sup>st</sup> 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 RRC 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 and RRC members shall be submitted by Head of department to the Controller of Examinations and Dean R&D 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 R&D 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 RRC meeting.
- c. Following conditions shall be applicable for submission of Thesis:
  - i. Part Time Ph.D. Scholar shall publish minimum **TWO research papers** in reputed Journals out of which at least one should be in Science Citation Index (SCI)/ Science Citation Index Expanded (SCIE) Journal and other in Scopus indexed journal or equivalent. For candidates registered at School of Humanities and Sciences, research papers in Arts and Humanities Citation Index (AHCI) journals will also be considered.In addition to journal publications, every research scholar shall present atleast **TWO papers in International Conferences** where the proceedings are indexed in either Scopus or Web of Science. An undertaking to this effect shall be submitted by both supervisor and candidate at the time of admission.



- ii. Full-Time Ph.D. Scholar shall publish minimum **TWO research papers** in reputed Journals indexed in Science Citation Index (SCI)/ Science Citation Index Expanded (SCIE) Journal / Social Sciences Citation Index (SSCI). For candidates registered at School of Humanities and Sciences, research papers in Arts and Humanities Citation Index (AHCI) journals will also be considered. In addition to journal publications, every research scholar shall present atleast **TWO papers in International Conferences** where the proceedings are indexed in either Scopus or Web of Science. An undertaking to this effect shall be submitted by both supervisor and candidate at the time of admission.
- ii. Payment of full fees.
- d. The Head of department shall submit approved Presubmission Seminar report, duly signed by RRC members, to the office of Controller of Examination and Dean, R&D 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 Head of department and Supervisor and forward it to Vice-Chancellor through Dean R&D office for seeking approval for examinership of research work. 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. On receiving the consent, the COE office shall share the hard 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.

- e. On receipt of evaluation reports of at least TWO experts, the COE shall open the reports in presence of the Vice-Chancellor of 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.
- f. If either of the expert rejects the thesis, then a new (third) expert, from the list of experts, would be contacted by COE for evaluation.
- g. 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.
- 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 - Chairman
  - ii. Head of the department
  - iii. Supervisor of the research scholar
  - iv. Atleast one external examiner (Who evaluated the thesis)- Member
  - 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 member is unable to be present at the time of viva-voce and open defense, the Vice-Chancellor on the recommendation of Supervisor and Head of department shall appoint a senior supervisor to act as external examiner for viva-voce and open defense of thesis.
- 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 the Vice-Chancellor for his 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 unanimously recommend, with reasons, the need for fresh viva-voce and open defense of the thesis 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)

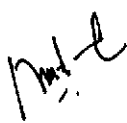
## **19. Academic, Research, Administrative and Infrastructure requirements to be fulfilled for getting recognition for offering Ph.D programmes**

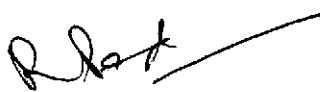
- a. Post-graduate Colleges offering 4-year Undergraduate Programmes and / or Post-graduate Programmes, may offer Ph.D. programmes, provided they satisfy the availability of eligible Research Supervisors, required infrastructure, and supporting administrative and research facilities as per the Regulations.
- 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)  
Dean R&D

  
(Dr. Rajesh Pande)  
Vice-Chancellor

## **Annexure I**

### **Undertaking from Ph.D. Candidates (Full Time)**

On 100 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 Full-Time Ph.D. 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 indexed in Science Citation Index (SCI) / Science Citation Index Expanded (SCIE) / Social Science Citation Index (SSCI) / Art and Humanities Citation Index (for School of Humanities and Sciences). 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 Full-Time Ph.D. Scholar with Fellowship of Ramdeobaba University, Nagpur and I agree to abide by these terms and conditions.

### **Terms and Conditions**

1. You will remain enrolled as Full-Time Ph.D. 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 Full-Time Ph.D. program and your fulltime candidature shall be subject to the approval from Research Recognition Committee of your school at RBU.
7. Your admission to Full-Time 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.

8. If your registration for the Ph.D. program is not approved by RRC /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 college shall take appropriate steps for recovery of the said amount from you.
9. 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 - Dean R&D
3. Name and Signature of Supervisor:

## **Annexure II**

**(On Letterhead of the Institute/Organization/Industry)**

### **No Objection Certificate for Full-time Ph.D. candidate**

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 Full Time Ph.D. programme at Ramdeobaba University, Nagpur.

If ..... (Name of candidate) is admitted to ..... (Name of School and Department) at Ramdeobaba University, Nagpur, for **Full Time Ph.D. 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 Part-Time Ph.D. candidate**

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 **Part-Time Ph.D. 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 (Part Time)**

#### **On 100 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 **Part-Time** 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 atleast One shall be indexed in Science Citation Index (SCI) / Science Citation Index Expanded (SCIE) / Social Science Citation Index (SSCI) / Art and Humanities Citation Index (for School of Humanities and Sciences) and other in Scopus Indexed Journal or equivalent. 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 Part-Time 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 Part-Time Ph.D. Research Scholar at Department of ----- as per the rules and regulations governing Ph.D. programme at Ramdeobaba University, Nagpur.
2. Your admission to Part-Time Ph.D. program and your candidature shall be subject to the approval from the Research Recognition Committee (RRC) of your school at RBU.
3. Your admission to Part-Time Ph.D. 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 not approved by RRC, for whatsoever reason, the monetary benefits (if any) that have been received by you after provisional admission 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 college 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 - Dean R&D
3. Name and Signature of 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. 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)
3. Recognized Research Supervisor of the Ph.D. Scholar (Member).
4. One subject Expert from the department (Member)
5. 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 R&D, 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 R&D 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 by RRC.

## **Annexure VII**

### **Research Recognition Committee (RRC)**

There shall be Research Review Committee (RRC) at every school having place of research. The committee shall consist of:

1. Vice-Chancellor or his nominee (Chairperson)
2. Head of the concerned department (Member)
3. One faculty member from another school nominated by Vice chancellor (Member)
4. Two external experts (one from the subject area and other from multidisciplinary or interdisciplinary area or Industry nominated by Vice-Chancellor (Members)

(A panel of six experts shall be submitted by the concerned director in consultation with head of the department, for approval of Two experts by the Vice chancellor)

5. Director of the concerned school under RBU (Member Secretary)

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

#### **Functions of Research Review Committee:**

1. Finalize the Research Proposals for Ph.D. Registration, approved by DRAC, based on the strength, relevance, and completion of course work (minimum 06 Credit)
2. Evaluation of research work before submission of final thesis through pre-submission seminar. In case the progress of the Ph.D. scholar is unsatisfactory, the RRC shall record the reasons for the same and revert back the record to DRAC for further assessment. The approved Ph.D. work, for submission of thesis, shall be submitted by Head of the department to Controller of Examination and Dean R & D office for further processing.

3. RRC shall prepare and approve the List of Examiners (06) for evaluation of Thesis in consultation with DRAC. Approved list shall be submitted to Controller of Examination and office of Dean R & D for further processing.
4. The RRC 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 VIII**

### **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. Hard 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 IX**

### **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<br>(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. Practical Application/Utility:       | [     ] |
| 14. Adequacy of references/bibliography: | [     ] |

**Presentation:**

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

<b>Total score out of 100:</b>	<b>[     ]</b>
--------------------------------	----------------

**(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 X

### 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

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



## Annexure XI

### Topic Registration Seminar Evaluation Report

RBU/Name of School/Name of Dept/Ph.D.(RRC)/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.

<b>Evaluation Committee member</b>	<b>Name, Dept, Organization</b>	<b>Signature</b>
Director of the School		
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 RRC Chairperson		

**Annexure XII**  
**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 XIII**  
**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