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# First Amendment in Ordinance for The Degree of Doctor of Philosophy- 2021

[Approved by the Academic Council in its 22<sup>th</sup> meeting on 27 July 2024]

**TEERTHANKER MAHAVEER UNIVERSITY**  
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# TEERTHANKER MAHAVEER UNIVERSITY MORADABAD

## First Amendment in Ordinance for Degree of Doctor of Philosophy (PhD) - 2021

[As per the University Grants Commission (Minimum Standards and Procedure for Award of PhD Degrees) Regulations, 2022]

### PREAMBLE

*Teerthanker Mahaveer University, Moradabad offers a broad-based research programme leading to the award of a PhD degree. The research work may be characterized either by the discovery of new facts or enunciation of a new theory or theories, by a fresh interpretation of known facts, or by the development of equipment making a distinct advancement in instrument technology. Promoting productivity and creativity is the basic tenet underlying the research programme. It should bear evidence of the capacity of the Research Scholar for critical examination, analysis, and sound judgment as well as his ability to carry out independent investigation, design, or development. The award of the PhD degree is in recognition of high academic achievements and application of knowledge to solve real-life problems in every sphere. The University encourages research in interdisciplinary areas and provides excellent opportunities for research work in the modern era of the 21<sup>st</sup> century.*

**APPLICABILITY:** This Ordinance shall apply to the programme leading to the degree of Doctor of Philosophy (PhD), w.e.f. TRAT July 2024, qualified candidates.

### 1. DEFINITIONS

- 1.1 “Act” means the University Grants Commission Act, 1956 (3 of 1956);
- 1.2 “Adjunct Faculty” means a part-time or contingent instructor, but not a full-time faculty member hired to teach in the University;
- 1.3 “Candidate/Applicant” means a person who has applied for the PhD Programme but is not yet registered for the same;
- 1.4 “Caretaker Supervisor” means a member of the academic staff of the University appointed to act as the Supervisor of the Research Scholar in the absence of the original Supervisor before and/or after the submission of the thesis;
- 1.5 “CoE” means Controller of Examinations of the University;
- 1.6 “College” means an Institution engaged in higher education and/or research, either established by a University as its constituent unit or affiliated with it;
- 1.7 “Commission” means the University Grants Commission established under Section 4 of the UGC Act 1956;
- 1.8 “Co-Supervisor” means a member of the academic staff of the University or another University/ College/ Research Institution, other than the Supervisor, as approved by the CRAC to guide/supervise the research work of the research scholar;
- 1.9 “CRAC” means a College Research Advisory Committee;
- 1.10 “Credit” means the number of hours of instruction required per week over a semester. A three-credit course in a semester means three one-hour lectures per week, with each one-hour lecture counted as one credit;
- 1.11 “Course” means one of the specified units which go to comprise a programme of study;



- 1.12 “Course Work”** means courses of study prescribed by the College/Department/Centre to be undertaken by a student registered for the PhD Degree;
- 1.13 “Degree”** means a degree awarded by a University, in accordance with the provisions of section 22 (3) of the Act;
- 1.14 “Department”** means a Department of Studies and may also include a Centre for Studies & Research;
- 1.15 “External Examiner”** means an academician/researcher with published research work who is not part of the University where the PhD scholar has registered for the PhD Programme;
- 1.16 “Foreign Educational Institution”** means—(i) an Institution duly established or incorporated in its home country and offering educational programmes at the undergraduate, postgraduate and higher levels in its home country and (ii) which offers a programme(s) of study leading to the award of a degree through conventional face-to-face mode, but excluding distance, online, ODL mode;
- 1.17 “Interdisciplinary Research”** means research conducted by a PhD scholar in two or more academic disciplines;
- 1.18 “RAC”** means the Research Advisory Committee;
- 1.19 “Minimum Submission Period”** means the minimum period for which a Research Scholar must be registered, before the date of submission of the thesis. The date of registration will be the date on which the first instalment of the fee is deposited;
- 1.20 “ODE”** shall mean the Oral Defence Examination;
- 1.21 “Online Mode”** shall have the same meaning as defined under the UGC (Open & Distance Learning Programmes and Online Programmes) Regulations 2020;
- 1.22 “PhD Cell”** means the PhD Cell of the University governing the operational aspects of the PhD Programme;
- 1.23 “PhD Regulations”** means the rules and regulations framed under this Ordinance for smooth operation and coordination of the PhD Programme;
- 1.24 “Plagiarism”** means the practice of taking someone else’s work or idea and passing them as one’s own;
- 1.25 “Programme”** means a higher education programme pursued for a degree specified by the Commission under sub-section (3) of section 22 of the Act;
- 1.26 “Registration Period”** means the length of the period commencing with the date of registration and ending on the date of award of the PhD degree, counting out any gaps as per clause 12 of the Ordinance;
- 1.27 “Research Proposal”** means a brief write-up giving an outline of the proposed research work which the PhD scholar shall submit along with the application for registration for the PhD Programme;
- 1.28 “Research Work Plan”** means the proposed schedule in months for each component of the research proposal.
- 1.29 “Research Scholar”** means a person registered for the PhD Programme and devotes adequate time to completing the requirements of this degree;
- 1.30 “Research Fellow”** means a Research Scholar awarded the research fellowship by the University;
- 1.31 “SOP”** means the Standard Operating Procedure prepared by the URAC from time to time governing the PhD Programme of the University (**Annexure – P**);
- 1.32 “Supervisor”** means an academician/researcher recognized by a University to supervise the PhD scholar for his research;



**1.33 “TRAT”** means TMU Research Aptitude Test (TRAT). It is an Entrance examination conducted once every semester to test the basic aptitude of candidates for admission to the PhD programme

**1.34 “University”** means Teerthanker Mahaveer University Moradabad;

**1.35 “URAC”** means a University Research Advisory Committee which will be the nodal office controlling the PhD Programme at the University;

Words and expressions used and not defined in these Regulations but are defined in the Act and not consistent with these Regulations shall have the meanings assigned to them in that Act.

**Note: In the Ordinance where ever ‘he’ and ‘his’ occurs, these shall also mean to imply ‘he/she’ and ‘his/her’ respectively.**

## 2. COMPOSITION & FUNCTIONS OF RAC, CRAC, URAC

**2.1 The Research Advisory Committee** is the committee constituted (**Annexure C**) to continually guide, scrutinize, and review the progress of the research work of each research scholar. There shall be an independent committee for each research scholar.

**The composition of the Research Advisory Committee (RAC) shall be as:**

<b>a.</b>	Research Supervisor	-	Convener
<b>b.</b>	Co-Supervisor	-	Member
<b>c.</b>	Two senior faculty members of the College/Department/Centre preferably from the related area/discipline, with a PhD as a minimum qualification	-	Members

### 2.1.1 Functions of RAC:

<b>a.</b>	Recommend to the CRAC additional courses required to be taken by the Research Scholar based on his background and the nature of the proposed research work ( <b>Annexure C1</b> ). In the case of Nursing ( <b>Annexure C2</b> ) and In the case of Agriculture ( <b>Annexure C3</b> ) will be used.
<b>b.</b>	To monitor, evaluate, and assess the progress of the Research work of the scholar.
<b>c.</b>	Conduct a meeting of RAC <b>in the second week of April and October each year</b> and submit the progress report of the Research Scholar to the Chairperson of CRAC.
<b>d.</b>	To review the research proposal (Synopsis) and finalize the topic within one year from the scholar's registration date.
<b>e.</b>	To guide the PhD scholar in developing the study design and methodology of research and identify the course(s) that he may have to do.

**2.1.2** Each semester, a PhD scholar shall appear before the Research Advisory



Committee to make a presentation and submit a brief report on the progress of his work for evaluation and further guidance. The Research Advisory Committee shall submit its recommendations along with a copy of PhD scholar's progress report to the CRAC and PhD Cell of the University. A copy of such recommendations shall also be provided to the PhD scholar.

**2.1.3** In case, the progress of the PhD scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the PhD scholar fails to implement these corrective measures, the Research Advisory Committee may recommend with specific reasons, the cancellation of the registration of the scholar from the PhD Programme.

**2.2 College Research Advisory Committee (CRAC):** Each College/Department offering the PhD Programme shall constitute the CRAC and it should be approved by the Vice-Chancellor.

**2.2.1 The composition of the College Research Advisory Committee (CRAC) shall be as below:**

<b>a.</b>	Dean/Principal/Director/Head of the College/Department	-	Chairperson
<b>b.</b>	One Professor from the Deans/ Principals/Vice-Principals of other disciplines nominated by the Vice-Chancellor for two years	-	Member
<b>c.</b>	One Expert/Examiner (in case of evaluation of literature review/finalization of the research proposal/ Oral Defence Examination) not below the rank of Professor/Associate Professor from another University/Research Institution nominated by the Vice Chancellor from the panel of 5 Experts (suggested by the Chairperson of CRAC) /Examiners (Panel of 6 examiners proposed by the Research Supervisor)	-	External Expert
<b>d.</b>	Concerned Supervisor/Co-Supervisor of the Scholar	-	Member
<b>e.</b>	Associate Dean (PhD Cell)	-	Member
<b>f.</b>	PhD Coordinator of the concerned College	-	Member Secretary

**2.2.2 Functions of CRAC:**

<b>a.</b>	To promote, facilitate and coordinate the research activities of the College/ Department(s)/Centre(s).
<b>b.</b>	To select candidates for admission to the PhD Programme and allocate Supervisors
<b>c.</b>	To propose the names of eligible faculty members to be appointed as Research Supervisors/Co-Supervisors for the approval of the Chairperson URAC.



d.	To approve the members proposed by the Supervisor for the formation of RAC for each scholar.
e.	To take appropriate action on the recommendations of RAC, considering the PhD guidelines on the directions of the Chairperson URAC.
f.	To approve the recommendations of RAC about the nature and number of courses as prerequisites to continue the PhD Programme in case of interdisciplinary research or otherwise.
g.	To monitor and conduct PhD Course Work running in the Department.
h.	To conduct at least two meetings in a year to monitor and evaluate the progress of the research work of the Research Scholars and send the proceedings to the Associate Dean (PhD Cell) within three days from the date of CRAC Meetings conducted.
i.	To invite the Faculties, Research Scholars, and Students from various related Departments of the College to the final viva voce of the scholars.
j.	To ensure that suggestions provided by the External Examiners have been incorporated in totality in the thesis based on the Thesis Evaluation Report of the external examiners provided by the CoE.
k.	To review the external examiners' reports recommended for the award of the degree and ask the questions suggested by the examiners from the scholar in the Oral Defense Examination (ODE).
l.	To provide suggestions/changes, if any, based on the final viva voce of the Research Scholar.
m.	To schedule the meetings for the Oral Defence Examination (ODE) of the scholars and invite the External Examiner and Supervisor (s) in consultation with the CoE & Associate Dean (PhD Cell).
n.	To provide the final ODE report of the scholar for further processing of the award of the PhD degree to CoE.
o.	To consider any matter related to the research programme of the College/Department.
p.	To monitor and evaluate the quality of PhD work in the Department.

**Note:(i) The quorum of the CRAC in case of finalization of the Review of Literature, Research Proposal, Pre-thesis Submission Presentation, and Oral Defense Examination of the thesis shall be deemed to be completed only when an External Expert/Examiner and all other members of CRAC are present. If the Member Secretary is on leave for a long duration, the Chairperson of CRAC may nominate any other senior faculty after due approval of the Vice Chancellor.**

**(ii) The names of five (5) external experts shall be submitted for the**



*approval of the Vice Chancellor for the smooth conduct of the CRAC Meetings. If one expert is not available the other can be invited out of five (5) approved External Experts.*

*(iii) The presence of the URAC member is mandatory in the CRAC meeting. If the nominated member is not available, another member will be nominated by the Vice Chancellor at the request of the CRAC Chairperson.*

**2.3 University Research Advisory Committee (URAC)** which will be the nodal office controlling the PhD Programme at the University:

**2.3.1 The composition of the University Research Consultancy Committee (URAC) shall be as:**

<b>a.</b>	Vice Chancellor	-	Chairperson
<b>b.</b>	Dean (Academics)/ Associate Dean (Academics)	-	Member
<b>c.</b>	Three Principals by rotation for three years	-	Members
<b>d.</b>	Three Professors by rotation for three years	-	Members
<b>e.</b>	Special invitee(s) with the permission of the Vice-Chancellor	-	Members
<b>f.</b>	Associate Dean (PhD Cell)	-	Member Secretary

**Functions of URAC:**

<b>a.</b>	To frame and revise the policies and rules for the PhD Programme.
<b>b.</b>	To ensure that all norms and regulations of the PhD Programme are strictly followed.
<b>c.</b>	To make periodic reviews of ordinances, regulations, and instructions about the PhD Programme and to recommend them to the Academic Council for any modifications thereof.
<b>d.</b>	To scrutinize the bio-data of prospective external research Co-Supervisors and issue the registration co-supervisors and issue the registration letters.
<b>e.</b>	To promote quality research publications, patents, projects, consultancy, etc.
<b>f.</b>	To organize a training program for the faculty members to enhance their research competency in the area of methodology, data analysis, and statistical tools.
<b>g.</b>	To analyze and assess the external examiners' report on the thesis to arrive at an appropriate decision.
<b>h.</b>	To provide approval for the award of the degree as prescribed in clause 17.7.
<b>i.</b>	To conduct at least one meeting in a year. In case of thesis



evaluation report review and award of PhD Degree, the meeting may be conducted at any time and the committee's composition should be decided separately.
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***Note: The meetings of all the above committees shall be held only during the working hours and working days of the University. Any deviation from this shall require the approval of the Vice Chancellor. Under exceptional circumstances, meetings of these committees may be conducted online, using the pre-approved platforms, with the prior approval of the Vice Chancellor.***

### **3 FACILITIES AND GUIDANCE FOR STUDIES AND RESEARCH**

The University shall provide facilities and guidance for studies and research leading to the award of the degree of Doctor of Philosophy. The programme shall be conducted at and through the Colleges of the University, subject to the guidelines laid down by the Academic Council and control exercised by the University Research Advisory Committee (URAC) and concerned College Research Advisory Committee (CRAC).

### **4 RESEARCH CENTRE APPROVED OUTSIDE THE UNIVERSITY**

A Research Scholar shall be required to pursue the research work and the prescribed Course Work at the Colleges/Department/Centre/Institution of the University under the guidance of approved Supervisor(s). The CRAC may permit a Research Scholar to carry out research work outside the University at a Research Centre approved by the University (**Annexure-A**). The scholar has to propose it to the CRAC for its approval. Further, the CRAC may also permit the Research Scholar to work at his place of employment provided adequate facilities for research on the proposed topic of research are available there to the entire satisfaction of the CRAC.

### **5 ADMISSION ELIGIBILITY**

**Eligibility Criteria** A candidate possessing the following qualifications shall be eligible to apply for admission (**Annexure-B**) to the PhD Programme of the University.

- 5.1 1-year/2-semester master degree programme after a 4-year/8-semester bachelor degree programme or a 2-year/4-semester master degree programme after a 3-year bachelor degree programme or qualifications declared equivalent to the master 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. Provided that a candidate seeking admission after a 4-year/8-semester bachelor's degree with a research programme should have a minimum of



75% marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed.

**5.2** A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Jain Minority/Differently-Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the Commission from time to time.

**5.3** 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 PhD 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.

**5.4 Admission of International Students to PhD Programme**

**5.4.1** Each Supervisor can guide up to two international Research scholars on a supernumerary basis over and above the permitted number of PhD scholars.

**5.4.2** The University may decide its selection procedure for PhD admission of international students keeping in view the guidelines/norms issued by Statutory/Regulatory bodies concerned from time to time.

***Note: The eligibility marks of 55% (or an equivalent grade in a point scale wherever the grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible based only on the qualifying marks without including the grace mark procedures.***

**5.5 Eligibility Criteria for Admission to PhD in Nursing (as per the official gazette notification no. 11-1/2019-INC dated 06.11.2020 on INC Regulations for PhD Programme 2020)**

**5.5.1** M.Phil. (Nursing) or M.Sc. (Nursing) recognized by the Council with 3 years of teaching or Clinical experience, after M.Sc. (Nursing), for enrolment for a PhD in Nursing under the Faculty of Nursing in the respective University.

**5.5.2** The scholars should have passed M.Sc. (Nursing) with a minimum of 60% marks.

**5.5.3** Entrance test marks will be obtained out of 90 marks. (minimum weightage pass marks for entrance will be 60% of 90 i.e. 54)

**5.5.4** Ten (10) Marks weightage shall be as follows:



- a Five (5) marks for candidates possessing an M.Phil. degree in Nursing.
- b Five (5) marks weightage for publications (3 marks for two (1-2) publications and 5 marks for more than two (2) publications).
- c In case, the candidate has not earned the M.Phil. Degree: Ten (10) marks weightage shall be for publications (5 marks for 1-3 publications & 10 marks for more than 5 publications).

## 5.6 Eligibility Criteria for Admission to PhD in Agriculture

Applicants should have a Master's Degree in the relevant field of specialization from a recognized university, with a minimum CGPA of 6.5 or 60% marks.

## 6 APPLYING FOR ADMISSION

### Registration Process

The candidate shall apply for admission against the Admission Notification given in leading newspapers and displayed on the University website in the prescribed form available on the website of the University ([www.tmu.ac.in](http://www.tmu.ac.in)), or the office of the University PhD Cell (**Annexure-B**).

### 6.1 Applicants who are employed by any organization either in India or abroad will be eligible for registration as Research Scholar provided:

- a They fulfil the qualifications laid down in Clause 5 above.
- b The applicant who is in employment must produce a No Objection Certificate (NOC) from his employer.
- c The applicant proves to the satisfaction of the CRAC that his employment duties will permit him to devote sufficient time to research work and prescribed Course Work.

### 6.2 PhD through Part-time Mode

PhD Programmes through part-time mode will be permitted, provided all the conditions stipulated in these Regulations are fulfilled. The University shall obtain a "No Objection Certificate" through the candidate for a part-time PhD Programme from the appropriate authority in the organization where the candidate is employed, clearly stating that:

- a The candidate is permitted to pursue studies part-time.
- b His official duties permit him to devote sufficient time to research.
- c If required, he will be relieved from the duty to complete the course.

**Note: Notwithstanding anything contained in these Regulations or any other law, for the time being in force, no University or research Institution of the Central Government or State Government shall conduct PhD Programme through distance/or online mode.**



## 7. ADMISSION TEST, SELECTION PROCEDURES AND RESEARCH WORK PLAN

**7.1**  
**TRAT** The University selects the candidates who have qualified for UGC-NET (including JRF)/CSIR UGC-NET (including JRF)/SLET/GATE/GPAT/CEED/ICAR/Teacher fellowship holder or have passed M. Phil. Programme and **similar National level tests**. These candidates are exempted from the TRAT First Stage Process i.e. Written Test and admitted based on the Second Stage Process i.e. Interview. In case the seats are not filled, the University also admits the candidates through a two-stage process of TRAT.

**7.2** Teerthanker Mahaveer University Research Aptitude Test (TRAT) which shall comprise a Written Test (weightage of 70%) and an Interview (weightage of 30%) (**Annexure- B2**). The written test shall carry a maximum of 70 marks and the Interview/Viva Voce shall carry 30 marks.

**7.3** The syllabus of TRAT shall consist of 50% of questions on Research Methodology and 50% of questions shall be Discipline-specific. The Entrance Test (TRAT) will be conducted at the Centre(s) notified in advance on the first Saturday of August & February, twice a year. The change of Centre, if any, shall be notified well in advance. In case of a holiday, the next working day will be the date of the entrance test. It will be an MCQ-based exam of two (2) hours. In Special circumstances, the written test may be conducted online mode using a pre-approved platform, with the prior approval of the Vice Chancellor.

**Note: Presently TRAT is held only at the University campus, Moradabad**

**7.4**  
**Minimum Pass Percent required** The TRAT intends to test the candidate's basic capability to undertake research work. A minimum score of 50% shall be required to clear the test under each category separately i.e. Research Methodology, Subject Knowledge, and Interview (as per 2<sup>nd</sup> Amendment UGC Regulations on PhD, Amendment 2018).

**7.5** The written test shall be conducted by the Examination Cell of the University which shall notify the result of the candidates who qualify for the written test, to the PhD Cell of the University within 4 days from the date of conducting the TRAT -first Stage Process i.e. Written Test, to further inform the Colleges/Departments/Centre, to schedule the Second Stage of the TRAT i.e. Interview/Viva-Voce. The dates for the interview shall be notified by the PhD Cell of the University.

**7.6** Each College/Department/Centre offering the PhD Programme shall constitute a committee for conducting the Interview/Viva Voce of the candidates.

**7.6.1** The composition of the committee for conducting the Interview/Viva Voce shall be as follows:



a.	Chairperson of the CRAC	-	Chairperson
b.	Two senior faculty members of the College/Department/Centre preferably from the related area/discipline with a PhD as a minimum qualification	-	Members
c.	One URAC member, nominated by the Vice-Chancellor	-	Member
d.	Research Coordinator of the Concerned College/Department/Centre	-	Member Secretary

**7.7** The dates for conducting the Interview/Viva Voce of the candidates shall be notified by the PhD Cell of the University to the respective CRAC for inviting the candidates to appear in the TRAT Second Stage process i.e. Interview. It shall consider the following aspects:

a.	Research interest area through an oral presentation.
b.	Whether the proposed area of research can contribute to new/additional knowledge.
c.	Whether the candidate possesses the competency for the proposed research.

The Chairperson CRAC shall submit the marks scored by the candidates in the Interview to the Controller of Examinations of the University.

**7.8** After receiving the Interview marks from the Colleges, the Exam Division of TMU will prepare a merit list for all the interviewees based on marks obtained both in Written (TRAT) & Interview/Viva Voce. The result will be declared as per the number of seats available in each Department within 4 days from the date of conducting the Interview/Viva Voce. The rest of the qualified candidates will be kept on the waiting list. This waiting list will be valid for three months from the date of the TRAT result is declared.

**7.8.1** The PhD Cell of the University will send a copy of the TRAT result and application form along with the documents of the TRAT-qualified candidates to the respective Chairperson CRAC within 3 days after the declaration of the TRAT result.

**7.8.2** An Offer of Admission along with a copy of the enrollment form will also be sent to the qualified candidates to submit their requisite registration fee, to get them registered & enrolled in the PhD Programme of TMU within 3 days after the declaration of the TRAT result.

**7.8.3** Students will register themselves by paying the required fee (**Annexure-F, F1, F2, F3**) within 12 days from the date of receiving the offer letter from the PhD Cell of TMU. The date of registration will be the date, on which the candidate deposits the requisite registration fee.



**7.8.4** The PhD Cell of the University shall send the list of registered candidates (**now called Research Scholars**) to all the CRACs, with the announcement of the dates for commencing the PhD Course Work and conduct the First CRAC Meeting within 5 days from the date of receiving the list of registered research scholars.

**7.9** **The Colleges will convene the first CRAC meeting to discuss the following points:**

a.	To constitute an RAC for each scholar for his mentoring.
b.	To appoint a supervisor/co-supervisor to help each Research Scholar prepare his Research Proposal (Synopsis)( <b>Annexure E2</b> ), to be presented before RAC and in the second CRAC meeting within six months.
c.	To allocate Mandatory Courses / Additional Courses / Discipline Specific Courses as required to the research scholar
d.	To approve the research place, the scholar has to carry out the research work outside the University at a research centre approved by the University. ( <b>Annexure A</b> )

**Note: (7.9) CRAC Meetings can be scheduled for multiple days if the number of Research Scholars is more than 20 in a College/Department/Centre. It is advisable that the grouping of Research scholars be made according to the purpose/nature of the work assessment. No External Expert will be invited to the first CRAC meeting to discuss the research interest area of the Scholars, Allocation of Supervisors/Co-Supervisors and formation of RAC.**

**Note for point (7.9 b): Before the allocation of the Supervisor/Co-Supervisor, their approval is a must. Without the consent of the Supervisor/Co-Supervisor, no Research Scholars can be allocated to them. Their names must be approved as Supervisors by the competent authority before conducting the CRAC Meeting. A Supervisor cannot be allocated more than two Research Scholars in a given academic year without the approval of the Chairman URAC.**

**7.10** **Presentation of Research Work Plan, Review of Literature And Approval of Research Proposal (Synopsis)**

**7.10.1** After the registration of the candidate, the Research Scholar needs to send a brief Research Work Plan (Gantt Chart-**Annexure-D**), approved by the RAC, and present the same before the CRAC during its Second CRAC Meeting within six months of the registration. He will also present his Review of Literature as per **Annexure-E**, for the award of the credits.

**7.10.2** A scholar will ordinarily be allowed two attempts for the presentation of the Research Proposal (Synopsis) & the approval of the research topic before the CRAC. In case, the Research Proposal & the research topic of a



scholar is not approved, a third attempt may be allowed only with the approval of the Vice-Chancellor on the specific recommendation of the CRAC, justifying the reasons for an extra attempt. Under no circumstances, the duration of the approval of the research proposal & the research topic would exceed twenty-four (24) months from the date of registration. After failing three attempts, the registration of the Research Scholar shall be **deemed to be cancelled**. The CRAC Chairperson should submit a copy of the synopsis for the final approval of the Vice Chancellor through the Associate Dean (PhD Cell). The final topic approved by the Vice Chancellor will be notified to the scholar, CRAC Chairperson and Controller of Examinations. In special circumstances, if the CRAC recommends a minor modification in the research topic with justification up to the pre-thesis submission presentation, it can be approved by the Vice-Chancellor.

***Note: The names of the absent Research Scholars will be marked in the attendance sheet with a comment - Absent first time with prior permission /Absent first time without prior permission. In the same way, if he is absent for a second time, the comment shall be - Absent second time with prior permission /Absent second time without prior permission. The third presentation will be allowed with the permission of the Hon'ble Vice-Chancellor.***

## **8. RENEWAL OF REGISTRATION AS A RESEARCH SCHOLAR**

- 8.1** A scholar shall be required to renew his/her registration every year in the manner prescribed by paying the requisite fees otherwise he will **not be allowed** to attend the RAC/CRAC Meeting.
- 8.2** In the case of Medical and allied disciplines where the patients' data is involved, the scholar should obtain the certification from the Institutional Ethical Committee on the recommendation of the Supervisor and CRAC Chairperson.

## **9. COURSE WORK, ADDITIONAL COURSE WORK, AND DISCIPLINE-SPECIFIC COURSES**

- 9.1** All the Research Scholars admitted to the PhD Programme shall be required to complete the prescribed Mandatory Course Work and the Additional Courses, if any, (in case of interdisciplinary research) during the initial two semesters from their registration date. The credits assigned to the PhD Mandatory Course Work shall be a minimum of 14 credits. The Research Scholar shall be evaluated at the end of the Course Work. They must pass the Mandatory Course Work and the Additional Course Work, if any, with a minimum of 50% marks except Nursing and Agriculture. For Nursing and Agriculture minimum passing marks will be 60%.
- 9.2** A Research scholar has to maintain 75% attendance in each course to appear in the exams.



9.3 The maximum duration for qualifying for the Mandatory Course Work may be extended by six months in special circumstances with the approval of the Vice-Chancellor. In case, one fails to qualify for the Course Work within a maximum period of 18 months, (including the maximum period of extension, sanctioned by the Vice Chancellor), then the registration of the Research Scholar **shall stand cancelled**.

9.4 The Course Work shall be treated as a prerequisite to continue in the PhD Programme. Registered scholars will be required to take a minimum of five (5) mandatory courses as per **Annexure-C1** and additional courses, if any, as prescribed by the College Research Advisory Committee.

**Note: The respective research coordinator (Member Secretary of the CRAC) of the College/Department will be responsible for facilitating the scholars in the selection, evaluation and monitoring of the Discipline-Specific MOOC Courses.**

9.5 The following courses are mandatory for a scholar to complete during the first two semesters starting from the date of registration:

S. No.	Courses	Duration of Exam	Minimum Qualifying Marks	Maximum Marks	Credits
1	Research Methodology	3 hours	50	100	4
2	Quantitative Methods and Computer Applications	3 hours	50	100	2
3	Research and Publications Ethics (RPE)	3 hours	50	100	2
4	Review of literature	Presentation (Annexure E)	--	--	2
5	Discipline Specific Courses/MOOC	--	50	100	4
6	Additional course (if any), in case of Interdisciplinary research	--	50	100	4
	<b>Total</b>		<b>250</b>	<b>500</b>	<b>18</b>

**Note: The exam fees of Rs. 1000/-per course, will be charged, if the scholar exhausts the maximum two efforts from the date of his registration.**

9.6 **Evaluation of the Review of Literature**

The review of the literature of the Research Scholars will be evaluated in the CRAC Meeting in the presence of an External Expert as per **Annexure-E1**. If it is found as per the norms, two (2) Credits will be awarded to the Research Scholar and if it requires modification, the Research Scholar will submit the same after incorporating all the suggestions given by the CRAC



Experts duly signed by the Chairperson CRAC, Research Scholar and his Supervisor(s) for the award of the two (2) credits. The CRAC will follow the guidelines as mentioned in the 'University Ordinance for Promotion of Academic Integrity and Prevention of Plagiarism', (available on the website of TMU), before evaluating the Review of Literature of the research scholars.

- 9.7** All PhD scholars, irrespective of discipline, shall be required to train themselves in teaching /education /pedagogy/writing related to their chosen PhD subject during their doctoral period. PhD scholars may also be assigned 4-6 hours per week of teaching/research assistantship for conducting tutorial or laboratory work and evaluations. The scholar has to produce a teaching certificate by the end of the Course Work either from TMU or wherever he is working, on the following content:

<b>a</b>	Education & Pedagogy
<b>b</b>	Curriculum Design & Assessment /Evaluation
<b>c</b>	Research Writing

- 9.8** The minimum qualification of the faculty member(s) for teaching the Course Work shall be PhD in relevant subject areas having more than ten years of teaching.

- 9.9** Additional courses for individual Research Scholars as prescribed by CRAC have to be completed through independent learning or MOOC as prescribed in the Regulations of this Ordinance. These courses cannot be substituted by aggregating short-term Workshops/Symposia etc. attended piecemeal. The list of the MOOC Courses will be shared by the Concerned CRAC Chairperson at the beginning of the semester. The evaluation of the MOOC Courses shall be done as per SOP Number 7.0. The certificate obtained from an approved MOOC platform shall be considered for having qualified for the course and in the case of Non-MOOC Courses, (independent study courses). The CRAC shall provide all support for the conduct of the examination of such courses but no classes will be conducted for Discipline-Specific Courses by the University.

- 9.10** The scheme of Course Work examination for Nursing shall be as follows. Any subsequent changes by the guidelines of INC shall be reflected in the Regulations of this Ordinance.

Sl. No.	Course	Duration of Exam	Minimum Qualifying Marks	Marks	Credits
<b>1</b>	Research Methodology & Applied Statistics	3 hours	60	100	4
<b>2</b>	Nursing Science & Theory Development including Nursing Leadership	3 hours	60	100	8



<b>3</b>	Research and Publication Ethics	3 hours	60	100	2
<b>4</b>	Viva-Voce (Proposal Defence)	-	60	100	-
<b>5</b>	A seminar based on a Literature Review/Term paper in the area of research (Internal assessment)	Presenta tion	60	100	-
	<b>Total</b>		<b>300</b>	<b>500</b>	<b>14</b>

**Note:> = 60% of marks will be considered as a pass in each course and 75% attendance is compulsory for contact hours, failing which, he will not be allowed to appear in the Course Work Exams, however, they have to make up for the same in the next Course Work. (delete) already given 9.2**

- 9.11** The syllabi for both courses shall be as prescribed by the Indian Nursing Council. The Viva-Voce (Proposal Defence) examination shall be conducted in the presence of the panel consisting of:

<b>a.</b>	One Examiner (Subject Expert) appointed by the University
<b>b.</b>	Supervisor/Co-Supervisor

- 9.12** **Note: In Special circumstances, the coursework classes may be conducted in blended mode i.e. Offline/Online mode using a pre-approved platform, with the prior approval of the Vice Chancellor.**

**10** **ELIGIBILITY CRITERIA TO BE A RESEARCH SUPERVISOR/CO-SUPERVISOR**  
(Use **Annexure C4** for the Approval of the Supervisor/Co-Supervisor)

- 10.1** **Eligibility to be appointed as a Supervisor/Co-Supervisor for faculty of all disciplines, other than Medical, Dental, and Nursing shall be:**

- 10.1.1** Permanent faculty members working as Professor/Associate Professor of the University with a PhD, and at least five research publications in peer-reviewed or refereed journals indexed in **UGC Care/Scopus/Web of Science/Indian Citation Index/PubMed/SCI/NAAS**, and permanent faculty members working as Assistant Professors in the University with a PhD, and at least three research publications in peer-reviewed or refereed journals may be recognized as a Research Supervisor in the University where the

faculty member is employed or in its affiliated Post-graduate Colleges/Institutes. Such recognized Research Supervisors cannot supervise Research Scholars in other Institutions, where they can only act



as Co-Supervisors with the prior approval of the Hon'ble Vice-Chancellor. PhD awarded by a University under the supervision of a faculty member who is not an employee of the University would violate these Regulations.

- 10.1.2 For PhD scholars working in Central Government/ State Government Research Institutions whose degrees are given by the University, the scientists in such research Institutions who are equivalent to Professor/Associate Professor/Assistant Professor can be recognized as Supervisors, if they fulfil the above requirements.
- 10.1.3 Provided that in areas/disciplines where there is no, or only a limited number of peer-reviewed or refereed journals, the University may relax the above condition for the recognition of a person as Research Supervisor with reasons recorded in writing.
- 10.1.4 Co-Supervisors from within the same Department or other Departments of the same Institution or other Institutions may be permitted with the approval of the competent authority.
- 10.1.5 In case of interdisciplinary/multidisciplinary research work, if required, a Co-Supervisor from outside the Department/School/Centre/College/University may be appointed.
- 10.1.6 Adjunct Faculty members shall not act as Research Supervisors and can only act as Co-Supervisors.
- 10.1.7 Each Supervisor can guide up to two international Research Scholars on a supernumerary basis over and above the permitted number of PhD scholars as specified in clause 5.4.1 above.
- 10.1.8 Faculty members with less than three years of service before superannuation shall not be allowed to take new Research Scholars under their supervision. However, such faculty members can continue to supervise PhD scholars who are already registered until superannuation and as Co-Supervisors after superannuation, but not after attaining the age of 70 years.

**10.2 Eligibility to be appointed as a Supervisor/Co-Supervisor in Medical College for faculty members having M.Sc. Medical degree in Anatomy, Microbiology, Biochemistry, Physiology, and Pharmacology, shall be:**

- 10.2.1 A regular Professor/Associate Professor of the Teerthanker Mahaveer Medical College & Research Centre who holds a PhD degree in the respective discipline and at least five research publications in indexed journals shall be eligible to be appointed as a Supervisor/ Co-Supervisor. Any regular Assistant Professor of the University with a PhD degree in the respective discipline and at least three research publications in indexed journals would be eligible to be considered as Research Supervisor/Co-Supervisor. Such recognized Research Supervisors cannot supervise Research Scholars in other Institutions, where they can only act as Co-Supervisors. PhD awarded by a University under the supervision of a faculty member who is not an employee of the University would violate these Regulations.
- 10.2.2 A regular Professor of the Teerthanker Mahaveer Medical College & Research Centre having a recognized MD/MS or equivalent degree in the relevant subject with 10 years of teaching experience after obtaining the



postgraduate degree, out of which at least 5 years should be at the postgraduate level in a recognized Medical College, and at least five research publications in indexed journals, shall be eligible to be appointed as a Supervisor / Co-Supervisor.

- 10.2.3** A regular Associate Professor of the Teerthanker Mahaveer Medical College & Research Centre having a recognized MD/MS or equivalent degree in the relevant subject with 6 years of teaching experience after obtaining the postgraduate degree, out of which at least 3 years should be at the postgraduate level in a recognized Medical College, and at least five research publications in indexed journals, shall be eligible to be appointed as a Supervisor/Co-Supervisor.
- 10.2.4** A regular Assistant Professor of the Teerthanker Mahaveer Medical College & Research Centre having a recognized MD/MS or equivalent degree in the relevant subject with 6 years of teaching experience after obtaining the postgraduate degree, out of which at least 3 years should be at the postgraduate level in a recognized medical College, and at least three research publications in indexed journals, shall be eligible to be appointed as a Supervisor/Co-Supervisor.
- 10.2.5** Adjunct Faculty members shall not act as Research Supervisors and can only act as Co-Supervisors.
- 10.2.6** Each Supervisor can guide up to two international Research Scholars on a supernumerary basis over and above the permitted number of PhD scholars as specified in clause. 5.4.1 above.
- 10.2.7** Faculty members with less than three years of service before superannuation shall not be allowed to take new Research Scholars under their supervision. However, such faculty members can continue to supervise PhD scholars who are already registered until superannuation and as Co-Supervisors after superannuation, but not after attaining the age of 70 years.

**10.3 Eligibility to be appointed as a Supervisor/Co-Supervisor in Dental College for faculty members having M.D./M.S./MDS degree shall be:**

- 10.3.1** A regular Professor of Teerthanker Mahaveer Medical College and Research Centre/Dental College and Research Centre, as the case may be, having a recognized M.D./M.S./MDS or equivalent degree in the relevant subject with at least 10 years of teaching experience after obtaining the postgraduate degree, out of which at least 05 years should be at the postgraduate level in a Medical College recognize by Medical Council of India or a Dental College recognized by Dental Council of India shall be eligible to be appointed as a Supervisor/Co-Supervisor. He should have published at least 5 research papers in indexed journals. Such recognized Research Supervisors cannot supervise Research Scholars in other Institutions, where they can only act as Co-Supervisors. PhD awarded by a University under the supervision of a faculty member who is not an employee of the University would violate these Regulations.
- 10.3.2** A regular Associate Professor of Teerthanker Mahaveer Medical College and Research Centre/ Dental College and Research Centre, as the case



may be, having a recognized M.D./M.S./MDS or equivalent degree in the relevant subject with at least 06 years teaching experience after obtaining the postgraduate degree, out of which at least 03 years should be at the postgraduate level in a Medical College recognized by Medical Council of India or a Dental College recognized by Dental Council of India shall be eligible to be appointed as a Supervisor/Co-Supervisor. He should have published at least 5 research papers in indexed journals. Such recognized Research Supervisors cannot supervise Research Scholars in other Institutions, where they can only act as Co-Supervisors. PhD awarded by a University under the supervision of a faculty member who is not an employee of the University would violate these Regulations.

- 10.3.3** A regular Assistant Professor of Teerthanker Mahaveer Medical College and Research Centre/ Dental College and Research Centre, as the case may be, having a recognized M.D./M.S./MDS or equivalent degree in the relevant subject with at least 06 years of teaching experience after obtaining the postgraduate degree, out of which at least 03 years should be at the postgraduate level in a Medical College recognized by Medical Council of India or a Dental College recognized by Dental Council of India shall be eligible to be appointed as a Supervisor/Co-Supervisor. He should have published at least 3 research papers in indexed journals. Such recognized Research Supervisors cannot supervise Research Scholars in other Institutions, where they can only act as Co-Supervisors. PhD awarded by a University under the supervision of a faculty member who is not an employee of the University would violate these Regulations.
- 10.3.4** Adjunct Faculty members shall not act as Research Supervisors and can only act as Co-Supervisors.
- 10.3.5** Each Supervisor can guide up to two international Research Scholars on a supernumerary basis over and above the permitted number of PhD scholars as specified in clause 5.3 (a) above.
- 10.3.6** Faculty members with less than three years of service before superannuation shall not be allowed to take new Research Scholars under their supervision. However, such faculty members can continue to supervise PhD scholars who are already registered until superannuation and as Co-Supervisors after superannuation, but not after attaining the age of 70 years.

**Note (10.3.1):**

***(i) Since a PhD is not a mandatory degree in teaching in Medical and Dental Colleges, to promote excellence in Medical and Dental teaching, the University would also encourage a serving faculty of this University, interested in carrying out research work leading to a PhD degree, and permit him/her to carry out the research work.***

***(ii) Indexed journals would be the journals, specified by UGC, NAAC, NIRF, and any other relevant body from time to time through notification. Currently indexed journals in UGC Care/Scopus/ Web of Science/ Indian Citation Index/ PubMed/ SCI/ NAAS are acceptable.***

***(iii) Provided further, that in areas/ disciplines where there is no or only a limited number of indexed journals, the URAC may relax the above condition for recognition of a faculty member as Research Supervisor***



*with reasons recorded in writing by CRAC and approval of the Vice Chancellor. The Academic Council would be notified about the same from time to time.*

**10.4 Eligibility to be appointed as a Supervisor/Co-Supervisor in Nursing College for faculty members shall be:**

- 10.4.1** PhD degree in nursing with 5 years of Postgraduate teaching experience with a minimum of 5 research publications in indexed journals.
- 10.4.2** The maximum age to be a PhD supervisor shall be 65 years.
- 10.4.3** A Supervisor cannot be allotted more than two Research scholars in a given academic year; however, a Supervisor cannot guide more than 6 Research Scholars at any given point in time.
- 10.4.4** A Co-Supervisor may be appointed for a Research scholar from Nursing or any other discipline, if necessary.
- 10.4.5** A Co-Supervisor can also be appointed from health care disciplines and the non-teaching field of Nursing provided he has obtained a PhD degree in Nursing.
- 10.4.6** Adjunct Faculty members shall not act as Research Supervisors and can only act as Co-Supervisors.

**10.5 Age limit for Supervisors to take new Research Scholars**

The faculty members with less than three years of service before superannuation shall not be allowed to take new Research Scholars under their supervision. However, such faculty members can continue to supervise PhD scholars who are already registered until superannuation and as Co-Supervisors after superannuation, but not after attaining the age of 70 years

**10.6 Total Number of PhD Scholars under a faculty member**

At any point, the total number of PhD scholars under a faculty member, either as a Supervisor or a Co-Supervisor, shall not exceed the number prescribed in Clause 10.12.

**10.7 Only full-time regular teacher of the University can act as a Supervisor**

Only a full-time regular teacher at the University can act as a Supervisor. External Supervisor(s) are not allowed. However, a Co-Supervisor can be allowed from other Institutions with available Research facilities with the recommendation of CRAC and approval of the Vice Chancellor.

**10.8 Allocation of an eligible Research Supervisor**

The allocation of an eligible Research Supervisor for a Research Scholar shall be decided by the CRAC of the concerned College, depending upon the number of scholars per Research Supervisor, the available specialization among the Supervisors, and the research interests of the scholar as indicated by him at the time of presentation before the CRAC.

**10.9 Appointment of Co-Supervisor in case the topic is inter-disciplinary**

In case of topics that are inter-disciplinary, where the CRAC of the



concerned College feels that the expertise in the College has to be supplemented from outside, the concerned College shall appoint a Research Supervisor from the College itself, who shall be known as the Research Supervisor, and a Co-Supervisor from outside the College or University on such terms and conditions as may be specified and agreed upon by the consenting Co-Supervisor and his Institution/ College.

**10.10 Relation between Supervisor/Co-Supervisor & Research Scholars**

There should not be any blood relationship between the Supervisor/ Co-Supervisor and the research scholar. The Supervisor/ Co-Supervisor shall have to give a declaration to this effect.

**10.11 Approval of Supervisors/Co-Supervisors**

The approval of the Supervisor/ Co-Supervisor shall be obtained from the Vice Chancellor by the CRAC.

**10.12 Number of Research Scholars under faculty members**

An approved Research Supervisor/Co-Supervisor who is a Professor, at any given point in time, can guide not more than Eight (8) research scholars. An Associate Professor as Research Supervisor can guide up to six (6) Research Scholars and an Assistant Professor as Research Supervisor can guide up to a maximum of four (4) Research Scholars.

**10.13 Change of Research Supervisor**

**10.13.1** Once the Research Scholar is allotted a Research Supervisor, the change of Research Supervisor shall not normally be permitted during the entire duration of the PhD Programme.

**10.13.2** In an exceptional case, a change of Research Supervisor may be allowed with the No Objection Certificate (NOC) from the Existing Research Supervisor and consent of the proposed Research Supervisor after the due approval of the URAC on the recommendations of CRAC. Both, the No Objection Certificate (NOC) and the Consent Letter shall be endorsed by the respective Chairperson-CRAC.

The circumstances in which for the change of research supervisor may be allowed are:

- 10.13.3** a. if the Research Supervisor is unable or not available to guide, the research scholar, for more than one year, for any reason what so-ever. If the period of absence of the Research Supervisor is less than one year, then the CRAC may recommend the Caretaker Supervisor to the URAC for its approval and the Caretaker Supervisor ceases to supervise the Research Scholar on after the re-joining of the original



Research Supervisor. However, the Research Scholar must provide acknowledgment and appreciation of his contribution to the thesis. In case, where there is a Co-Supervisor, the appointment of a Caretaker Supervisor may not be warranted.

- b. if the differences arise between the Research Supervisor and the Research Scholar due to any reason, in such case, the No Objection Certificate (NOC) of the Research Supervisor for the change, may not be required if the CRAC arrives at such a decision after due approval of CRAC.
- c. A 'No Objection Certificate' will not be required in case of death/ retirement/resignation/termination of the Supervisor.

**10.13.4** In case the Research Scholar has completed his work to the extent of data analysis, the request for a change for Supervisor will not be permitted except for the stated conditions in clause 10.13.5.

**10.13.5** Cancellation of Research Supervisor by the University: Recognition granted by the University to the Research Supervisor shall stand cancelled and a new Supervisor will be appointed with the approval of the Vice Chancellor for the following reasons:

- a. In case of his superannuation, resignation, termination or dismissal;
- b. if, at any stage, it is found that the information or documents submitted by the Research Supervisor, for his recognition as a Supervisor are transpired to be forged, false, or fabricated;
- c. if any Research Supervisor creates obstacles in the smooth functioning of the University/College/Department or any unforeseen situation which may be considered to be detrimental to the interest of the University;
- d. in case of a complaint filed by the Research Scholar against the Supervisor/ Co-Supervisor regarding sexual harassment, and the complaint is so proven, he will be ceased immediately to be a Research Supervisor.

**10.13.6** In case of the inability of the Supervisor to continue to guide the research scholar, the Co-Supervisor shall become the Supervisor, provided the Co-Supervisor is from the University. Depending upon the stage of research work, the decision about appointing a new Supervisor or Caretaker Supervisor, according to clause 10.13.3(a). CRAC shall seek approval from the Vice Chancellor to this effect.

## 11

### Transfer from Other Universities

#### 11.1

### TRANSFER FROM OTHER UNIVERSITIES

In case of relocation of a female Research Scholar due to marriage or otherwise, the Research Scholar shall be allowed to be transferred to the University to which the scholar intends to relocate provided all the other conditions in these regulations are followed and the research work does not pertain to the project secured by the parent Institution/ Supervisor by



any funding agency. Such scholar shall, however, give due credit to the parent Institution the Research Supervisor/ Co-Supervisor, and the University for the part of research already undertaken.

**11.2** A candidate who has been admitted in (or has registered for) a PhD degree Programme in any other recognized University and meets the requisite qualifications for admission to the PhD Programme of the University as prescribed in clause 5 may be allowed to transfer her admission to the University provided

**11.2.1** He provides a No Objection Certificate from the previous University.

**11.2.2** The recommendation and the verified research and Course Work records from the concerned CRAC thereof.

**11.3** Further, the extent of credits to be given to the transfer of credits earned towards course work, publications, and progress of research, etc. by the candidate at the previous University shall be decided by the respective CRAC of the University.

**11.4** In such cases of transfer, the date of registration in the University shall be decided by the URAC in view of the date of registration in the previous University and the extent of academic achievements. The candidate shall be required to fulfil the remaining requirements as decided by the respective CRAC of the University.

**11.5** In such cases, if needed, the candidate shall deposit the requisite application and fees to the University.

**11.6** In such cases, if need be, the CRAC may recommend to the Vice Chancellor for the extension of time for submission of a thesis over and above the maximum allowable six years.

## **12 PERFORMANCE MONITORING**

**12.1** There shall be a Research Advisory Committee for each research scholar. The research progress of each Research scholar will be regularly reviewed and monitored by the RAC in its meetings. This meeting shall take place at least three months before the scheduled CRAC meeting. A Research Scholar shall appear before the CRAC once in six months to make a presentation of the progress of his research work for its evaluation and further guidance. The six-monthly progress reports will be submitted by CRAC to the URAC/PhD Cell of the University with a copy to the Research Scholar and RAC.

**12.1.1** The Semester Progress Review Meeting of CRAC shall be held as specified in the Academic Calendar for January and July each year. A scholar may be absent from any Semester Progress Presentation with prior permission, subject to a maximum of two such abstentions from presentations in the complete duration of the PhD Programme. The RAC must record the progress of the research in the Semester Progress Review form and submit it to the CRAC (**Annexure-G**). In case, the Research Scholar fails to present and submit the progress report consecutively three times, the CRAC may initiate the action for the cancellation of his registration. This recommendation is to be forwarded to the PhD Cell of the University for approval of the Chairperson URAC.



- 12.1.2** The final authority for cancellation of registration of the Research Scholars is vested with the Vice Chancellor.
- 12.1.3** The CRAC after having considered the progress report of each Research Scholar shall recommend any of the following:
- a. Continuation of registration, or
  - b. Continuation of registration and issuance of a warning for unsatisfactory progress to the Research Scholar and making recommendations of steps necessary to improve his performance in consultation with the Supervisor(s), or
  - c. If the Research Scholar is issued a warning letter, the minimum registration period for allowing a scholar to submit the thesis shall be increased by one semester every time a warning has been issued, or
  - d. Termination of registration, in case of three consecutive unsatisfactory progress reports, recommendation forwarded to URAC.
- 12.1.4** A copy of the same would be sent to the Scholar, Supervisor, and the URAC for records in the scholar's file.

### **13 DURATION OF THE PROGRAMME**

**Ph.D. Duration** PhD Programme shall be of a minimum duration of three (3) years, including coursework, and a maximum of six (6) years from the date of PhD registration.

- 13.1** The minimum period of registration after which a Research Scholar can present his Pre-thesis Submission Presentation is **thirty (30) months** from the date of his registration and he can submit his thesis after completing the **thirty-two (32) months** from the date of registration. ODE will be conducted on the completion of the **minimum thirty-six (36) months** from the date of registration.
- 13.2** A Research Scholar shall normally be allowed to submit his thesis within a maximum period of six (6) years. However, in exceptional cases, this limit may be extended by the Vice-Chancellor for a maximum period of two (2) years, on specific request from the Research Scholar duly recommended by the CRAC.
- 13.3** A maximum of an additional two (2) years can be given through a process of re-registration as per the Statute/Ordinance of the University provided, however, that the total period for completion of a PhD Programme should not exceed eight (8) years from the date of registration for the PhD Programme.
- 13.3.1** Provided further that, female PhD scholars and persons with disability (having more than 40% disability) may be allowed an additional relaxation of two (2) years, however, the total period for completion of a PhD programme in such cases should not exceed ten (10) years from the date of registration in the PhD Programme. The female scholars shall be provided Maternity Leave/ Child Care Leave once in the entire duration of



the PhD Programme for up to 240 days. **The extension fees will not apply to female scholars who fall under the purview of the clause-13.3.**

**13.4** In the case of Nursing, for scholars pursuing a PhD in part-time mode, the minimum duration for completion of a PhD shall be **five (5) years** and a maximum of **seven (7) years**.

**14 EVALUATION AND ASSESSMENT METHODS, MINIMUM STANDARDS/CREDITS FOR THE AWARD OF THE DEGREE & PRE-THESIS SUBMISSION PRESENTATION**

**14.1** Upon satisfactory completion of the Course Work, and obtaining the credits prescribed in Clause 9, as the case may be, the PhD scholar shall be required to undertake research work and produce a draft thesis within the stipulated time as per the Regulations of this Ordinance.

**14.2** **Pre-thesis submission presentation** by the Research Scholars before the CRAC is an essential requirement and can only be done after completing **thirty (30) months** from the date of registration in accordance with the Regulations of this Ordinance. Pre-thesis submission presentation shall be held in the scheduled CRAC Meetings for SPR presentations or in the mid-semester in March/October. However, in any special circumstances, it can be held with the special permission of the Hon'ble Vice-Chancellor. Before submitting the thesis, the PhD scholar shall make a presentation before the Research Advisory Committee, which shall also be open to all faculty members and other research scholars. On completion of the research work a Research Scholar has to send the soft copy of his thesis to the CRAC for the check of its similarity index to be generated by the certified anti-plagiarism tool DrillBit/any other software used by the University and if it comes as per the norms of the University i.e. **up to 10%**, the scholar will be informed within **two working days** about the similarity index of his thesis and to submit an application (**Annexure-I**), to inform the CRAC that he has completed his full research work and ready to present his pre-thesis presentation. The case will be discussed in the CRAC meeting to check the status of the research work of the scholar and a report will be prepared (**Annexure-R**). If all the research work is completed, further approval of the Chairperson CRAC will be taken for allowing the Research Scholar to present his pre-thesis submission presentation on the date approved and mentioned (**Annexure-S**) by the Chairperson, CRAC. The schedule of the presentation will be sent to the scholar to prepare his pre-thesis presentation in the prescribed format (**Annexure-T**). At the same time, a decision will also be taken to send an invitation to all the scholars & faculty members through their respective Colleges/Departments of the University, Supervisor/Co-Supervisor (if any), CRAC & URAC members including External Experts for the pre-thesis presentation. The pre-thesis must be scheduled at a central place in the University. The report of the Pre-thesis submission presentation shall be maintained in the prescribed format (**Annexure-U**).

**14.3** After the permission of the CRAC, the Research Scholar shall submit eight copies of the summary of his research work including a Declaration



**(Annexure-I)** duly signed by the scholar, Certificate **(Annexure-J)** duly signed by the Supervisor(s) & Chairperson CRAC and the copy of the research publications related to the thesis, one CD (containing draft thesis, research publications and summary of the thesis) along with No Dues Certificate **(Annexure-M)**, at least two weeks in advance from the date of his pre-thesis presentation to the research coordinator through his Supervisor(s) for making a presentation. A certificate **(Annexure-K)** indicating the similarity index generated by the certified Anti-Plagiarism tool DrillBit/any other software used by the University has to be included in the thesis duly countersigned by the Chairperson CRAC, and then make a presentation at which faculty members and other research scholars/students will be invited. The CRAC will invite representatives of URAC & relevant University Colleges/Departments. The Pre-thesis presentation will be held at the central location as decided by the URAC. The presence of the Supervisor/Co-Supervisor is compulsory on the day of the pre-thesis presentation of the scholar. The report of the CRAC on the pre-thesis submission presentation will be prepared **(Annexure-U)**, to keep a record of the same and to communicate the suggestions of the CRAC to the research scholar within three days from the date of conducting the CRAC Meeting for the Pre-thesis submission presentation.

**14.4** The Research Scholar shall be required to submit his thesis within three months from the date of the pre-thesis submission presentation, provided it was assessed satisfactorily. However, in case a scholar fails to submit his thesis within the stipulated time and has suitable justification for the same, the Chairperson URAC on recommendations of the CRAC, may grant an extension of not more than three months, i.e., the Research Scholar may be allowed to submit his thesis within a period not exceeding six months from the date of pre-thesis submission presentation. **In case, a research scholar fails to submit his corrected/revised thesis within thirty-six (36) months from the date of registration, he has to pay an extension fee.**

**14.5** CRAC may allow an additional chance for the Research Scholar to pre-thesis submission presentation in case of unsatisfactory performance. However, a third chance may be granted by the Vice-Chancellor on recommendations of Chairperson CRAC. Thereafter, the registration of the Research Scholar shall be **deemed to be canceled**. In case, the Research Scholar still intends to continue the PhD work, he shall have to re-register for the programme as a fresh candidate as laid down in Regulations under this Ordinance.

**14.6** The Research Scholar will be required to submit his declaration and a certificate from his Supervisor(s) in the prescribed format countersigned by the CRAC-Chairperson vouching that the plagiarism is within the permitted limit and that the work embodied in the thesis titled “ \_\_\_\_\_ ” is original and has been carried out by the Research Scholar and that it has not been submitted in full or in part for any other diploma or degree of this or any other University. A certificate indicating the similarity index generated by the certified anti-plagiarism tool used by the University has to be included in the thesis duly



countersigned by the Chairperson CRAC. Chairperson CRAC shall ensure that the contents of the thesis are removed from the repository, if any, to facilitate the verification of the similarity index. The Controller of Examinations shall countercheck for plagiarism in every thesis submitted for evaluation and issue the certificate accordingly **(Annexure-K)**.

## 15

### APPOINTMENT OF EXAMINERS

15.1 The thesis evaluation shall be carried out as follows:

15.1.1 A panel of six (06) experts of Professor level in the area of research work which may include one expert from outside India would be suggested by the Supervisor(s) and placed before the CRAC along with their brief profile consisting of qualifications, experience and a research work for last ten years, for its recommendations. The CRAC may add any of the name (s) (maximum two) in the proposed list submitted by the supervisor and also delete the names that do not fulfill the prescribed criteria of the University.

15.1.2 A person from the same Institution where the Research Scholar is employed cannot be appointed as an external examiner. Further, a person from a Laboratory/Institution/Approved Research Centre to which the Co-Supervisor of the Research Scholar belongs, cannot be appointed as an external examiner. The Examiner of the thesis cannot be a close relative of the Supervisor or the research scholar.

15.2 On receipt of the draft thesis, the Chairperson-CRAC shall send the panel of examiners as approved by the CRAC to the Controller of Examinations who shall get the Board of Examination approved from the Vice Chancellor. The Vice-Chancellor may add any name (s) (Maximum two) to the panel of examiners sent by the Chairperson CRAC. The Board shall consist of two external examiners from India or abroad. However, out of the two external examiners selected, at least one shall be from outside the state of Uttar Pradesh. The examiners shall normally be chosen from the panel of examiners recommended by the CRAC. In case one or more external examiners so appointed decline to examine the thesis, another external examiner shall be appointed out of the panel. In case the panel gets exhausted, the CRAC shall recommend additional names.

***Note: In a panel, two examiners should not be included from the same institution. More than 40% of examiners should not be included from a single state.***

## 16

### THESIS SUBMISSION

16.1

The thesis shall be a piece of research work characterized either by the discovery of new facts or enunciation of a new theory or theories or by a fresh interpretation of known facts or the development of equipment making a distinct advancement in instrument technology. It should bear evidence of the research scholar's capacity for analysis and sound judgment as well as his ability to carry out independent investigation,



design or development. The thesis has to be supplemented by published work, mandatorily. No part of the thesis or supplementary published work shall have been submitted for the award of any other diploma or degree anywhere.

**16.2** The thesis shall be written in English, other than research work carried out in languages, in a specified format in accordance with the instructions contained in **(Annexure-H)** of this Ordinance, until otherwise required by the specific discipline. In case the thesis to be submitted is written in a language other than English, the same shall be approved by the Vice-Chancellor on the recommendation of the CRAC.

**16.3** A Research Scholar may submit his thesis within the stipulated time, provided he has:

**Minimum Duration** **16.3.1** Completed the minimum period of registration as provided in Clause 13.1 of this Ordinance.

**Publications / Conference Paper Presentation** **16.3.2** The outcome of the Ph.D. work shall be published in a minimum of two research papers in different journals indexed in **UGC Care/Scopus/ Web of Science/ Indian Citation Index/ PubMed/ SCI/ NAAS** as specified in Regulations of this Ordinance from time to time. However, in specific cases where the number of indexed journals is limited, the research papers may be published in the same journal but in different volumes/issues with the prior permission of the competent authority of the University. The name of the Research Scholar must be mentioned as Research Scholar, Teerthanker Mahaveer University, Moradabad at first place & the name of Supervisor(s) at second and third place with their University affiliations. In a case where the Ph.D. work is being carried out in collaboration with a research organization/industry, the research scholar would be the first author, and the other authors' sequence may be decided by the author and supervisors. However, if the research paper(s) has been accepted for publication, the same shall be treated as under publication and the CRAC can recommend the submission of the thesis. Apart from this, the scholar is also required to make two paper presentations and publications in Conference proceedings, of which one should be conference other than in-house, before the submission of the thesis for evaluation, and produce evidence for the same in the form of presentation certificates and/ or reprints. In case, where the conference proceedings are not published, the

scholar may publish one paper in lieu of two conference papers in the **UGC Care/Scopus/ Web of Science/ Indian Citation Index/ PubMed/ SCI/ NAAS**. The Review Paper published in the Conference Proceedings shall be accepted but not in the journals.

**Hard & Soft Copies of the Thesis** **16.3.3** After the pre-thesis presentation, the Research Scholar will submit **five copies of his thesis(5), seven copies of a summary of the thesis (7)** in soft binding along with **two copies of a CD (2)** (containing the thesis, research publications, and summary of the thesis) & the thesis submission form **(Annexure V)** duly signed by the scholar & the Chairperson, CRAC, for its External Evaluation to the Exam Division, TMU within three (3) months, after incorporating the suggestions of the CRAC, if any. In case, a scholar fails to submit his thesis within three (3) months and has suitable



justification for the same, the Chairperson, URAC may, on the recommendation of the CRAC, grant an extension of three (3) months.

17

## EVALUATION OF THESIS

- 17.1 The thesis shall be sent for evaluation only after the plagiarism verification report is found to be within the acceptable norms of the University as laid down in the Plagiarism Prevention Policy 2018.
- 17.2 Each examiner will be requested to submit a detailed assessment report and his recommendations on a prescribed proforma (**Annexure-L**) to the COE within three (3) months from the date of receiving the thesis.
- 17.3 In case the assessment report is not received from an external examiner within four (4) months, the Vice-Chancellor may appoint another external examiner from the panel of examiners to evaluate the thesis.
- 17.4 Each examiner shall be required to state categorically in his individual opinion, whether the thesis should be:
- a. accepted for the award of PhD degree, or
  - b. accepted with suggested minor corrections to be incorporated in the thesis by the Research Scholar, or
  - c. referred back to the Research Scholar for major suggested changes to be incorporated for re-evaluation of the thesis, or
  - d. rejected.
- 17.5 The examiner shall state the reasons for recommending/ resubmission/ rejection of the thesis. If a resubmission is recommended, the examiner(s) shall specifically indicate the modifications that need to be incorporated into the thesis by the research scholar
- 17.6 After external evaluation of the thesis if any changes are suggested by the External Examiners, the Research Scholar will incorporate the same under the guidance of his Supervisor and submit the thesis as per the instruction given in (**Annexure-H**) with Declaration (**Annexure-N**) duly signed by the scholar, Certificate (**Annexure-O**) duly signed by the Supervisor(s) & Chairperson, CRAC along with an undertaking duly signed by him, his Supervisor(s) & Chairperson, CRAC that he has incorporated all the suggestions. Then the thesis will be again submitted to the Controller of Examinations duly signed by the Chairperson, CRAC.
- 17.7 On receipt of reports from all the examiners, the COE shall place them before the members of URAC who will peruse the reports and recommend one of the following:
- 17.7.1 **If the examiners are unanimous in the examination report and recommend that:**
- the reports on the thesis are accepted for the Oral Defense Examination (ODE) for the award of the degree. The URAC decides to conduct the ODE for the Research Scholar and authorizes the Chairperson-CRAC to convene the ODE for the purpose.
- 17.7.2 The thesis is accepted with minor corrections to be incorporated in the



thesis. In this case, URAC instructs the Research Scholar to incorporate the suggested changes of both examiners under the guidance of his Supervisor. The Chairperson-CRAC shall assure and certify that these changes have been incorporated in the thesis and forward the same to the COE who shall put up the same for the approval of the URAC. If the URAC is satisfied, may authorize the Chairperson-CRAC to convene the Oral Defense Examination of the PhD scholar.

**17.7.3** The thesis is referred to a Research Scholar for incorporating major changes and re-evaluation. The URAC instructs the Research Scholar to incorporate the suggested major changes of both the examiners under the guidance of a Supervisor. The Chairperson-CRAC assures and certifies that the suggestions have been incorporated and forwards the thesis to the COE who shall send it to both examiners for re-evaluation. If the re-evaluation report of both the examiners differs, then the thesis shall be sent to the third examiner for evaluation and the report of the third examiner shall be considered as final.

**17.7.4** The thesis is rejected. The URAC rejects the thesis for further processing and cancels the registration of the Research Scholar for this thesis. In this case, the Research Scholar shall re-register on the same topic or change the topic but have to resubmit the thesis within the maximum allowable duration of time i.e. six years from the date of new registration.

**17.8 If the examiners differ in the examination report and recommend that:**

**17.8.1** The thesis is accepted by one examiner and the thesis is rejected by the second examiner. In such cases, the thesis be sent to the third examiner to be appointed out of the proposed panel. The report of the third examiner shall be considered as final. The URAC shall take the final decision based on the third examiner report.

**17.8.2** The thesis is accepted by one examiner with minor changes and rejected by a second examiner. In such cases, the URAC instructs the Research Scholar to incorporate suggested changes in the thesis. The modified thesis shall be sent to the third examiner as given above in clause 17.8.1.

**17.8.3** The Thesis is referred back to the Research Scholar for incorporating major changes by one examiner and rejected by the second examiner. In such cases, the URAC instructs the Research Scholar to incorporate the suggested major changes and resubmit the thesis for re-evaluation by a third examiner as laid down in clause 17.8.1 above.

**17.8.4** The Thesis is referred back to the Research Scholar for incorporating major changes by the first examiner for re-evaluation and another examiner suggests for incorporating minor changes. In such cases, after making changes by the research scholar, the thesis is sent for reevaluation by the concerned examiner. If this examiner's report suggests acceptance of the thesis for the award of degree, then URAC shall authorize an oral defense examination of the thesis. If the revised thesis is rejected, then the thesis is sent to the third examiner. The report of the third examiner shall be considered final.



- 18.1 A research scholar, whose thesis on the basis of evaluation, is recommended for acceptance in accordance with the provisions of clause 17.7 and its sub-clauses, shall be required to defend his work/thesis orally before a duly CRAC at the **University premises**. The Oral Defense Examination/ final viva voce shall be open to the members of the Research Advisory Committee/Research Scholars of all disciplines and students of the University. **University may formulate appropriate rules/ordinances to affect the provisions of this Regulation.** Any deviation from this procedure should have the prior permission of the Vice-Chancellor.
- 18.2 In cases where the thesis is referred to the third examiner under various sub-clauses of clause 17.8 as above, the Final Viva-Voce will be recommended by the URAC after having satisfied with the acceptance of the thesis for the award of the degree report of the third examiner.
- 18.3 The external examiner invited for the Oral Defense Examination shall submit his report in the prescribed proforma to the COE through the Chairperson CRAC in a sealed envelope.
- 18.4 On the completion of the Oral Defense Examination /final Viva-Voce, the CRAC will submit the final ODE report to the COE and the COE shall put before the URAC, the report of the CRAC. Based on the ODE report, the URAC may approve one of the following:
- 18.4.1 that the degree of PhD awarded, or
  - 18.4.2 that the Research Scholar be re-examined at a later specified time in a specified manner, or
  - 18.4.3 that the degree of PhD not awarded.
- 18.5 In the case of clause 18.3 as above, the Research Scholar shall incorporate all suggestions and changes as discussed in the ODE and submit the same to the CRAC for review and approval for submission of the thesis after incorporating the suggestions/changes. The Research Scholar shall, thereafter, submit two (2) hard-bound copies and two (2) CDs of the thesis incorporating all necessary corrections/modifications. The COE will ensure that the electronic copy of the PhD thesis is submitted to INFLIBNET within seven days of receipt of the CDs from the research scholar. The RDC will meet not before fifteen days of submission of the electronic copy to INFLIBNET to ensure that there are no objections to the contents of the thesis.
- 18.6 The University concerned shall complete the entire process of evaluating a PhD thesis, including the declaration of the viva voce result, within six (6) months from the date of submission the thesis.

## 19

### AWARD OF THE DEGREE

- 19.1 The Degree shall be awarded by the University provided that:
- 19.1.1 The URAC so approves,
  - 19.1.2 The Research Scholar produces a “No Dues Certificate” in the prescribed form (**Annexure-M**),
  - 19.1.3 The Research Scholar has to submit three hard-bound copies of the



thesis; one for the College Library, one for the Central Library & one for keeping the record in the office of the Controller of Examination, and three soft copies in CD ROM in the structure prescribed by Shodhganga, INFLIBNET as per the following steps:

1. Cover Page
2. Copyright
3. Declaration
4. Certificate
5. Acknowledgement
6. Abstract
7. Table of Content
8. List of Tables
9. List of Figures
10. List of abbreviations
11. Body of the thesis (All Chapters)
12. Bibliography
13. Appendix
14. Copy of research paper-1
15. Copy of research paper-2

**19.2** If the uploaded thesis on Shodhganga does not receive any objections up to 15 days, the ODE report given by the external examiner and other members will be discussed in the URAC for the Award of PhD Degree. The date of URAC approval shall be the date of completion and award of the degree.

**19.3** Before the actual award of the degree, the University shall issue a Provisional Certificate to the effect that the Degree has been awarded in accordance with the provisions of the UGC (Minimum Standards and Procedures for the award of M.Phil./PhD degrees) Regulations, 2022.

**20 AWARD OF PHD DEGREES BEFORE NOTIFICATION OF THESE REGULATIONS**

**20.1** Award of degrees to scholars registered for the PhD Programme on or after July 11, 2009, till the date of Notification of these Regulations, shall be governed by the provisions of the UGC (Minimum Standards and Procedure for Award of M.Phil./PhD Degree) Regulations, 2009 or the UGC (Minimum Standards and Procedure for Award of M.Phil./PhD Degrees) Regulations, 2016 as the case may be. Further, the award of degrees to scholars already registered and pursuing PhD shall be governed by these Regulations or UGC (Minimum Standards and Procedure for Award of M.Phil./PhD Degree) Regulations, 2016. Nothing in these Regulations shall impact the M.Phil. Degree programmes commencing before the enactment of these Regulations.

**20.2** Hardbound copies and CD ROMs of the PhD thesis, submitted after the oral defense examination, must contain the following copyright certificate at the beginning of the thesis, on a separate page on the left side:



**©Teerthanker Mahaveer University  
Moradabad – Uttar Pradesh (India)  
All rights reserved**

Award of the degree to Research Scholars registered for the PhD Programme prior to May 5, 2016, shall be governed by the earlier regulations/ ordinance (UGC Regulations on PhD 2009).

**21 CANCELLATION OF REGISTRATION**

- 21.1** The registration of a Research Scholar shall be cancelled after due approval of the Vice Chancellor in case of the following:
- 21.1.1** If being a full-time research scholar, s/he absents himself for a continuous period of six weeks without prior intimation/sanction of leave.
  - 21.1.2** If s/he withdraws from the PhD Programme and the withdrawal is duly recommended by the CRAC.
  - 21.1.3** If s/he fails to renew the registration as per the provisions contained in clause 8 of the Ordinance.
  - 21.1.4** If his academic progress is found unsatisfactory by CRAC as per the provisions of clause 11 above.
  - 21.1.5** If he is found to be involved in an act of misconduct and/or indiscipline, termination is recommended by the College Research Advisory Committee or any other competent authority of the University.

**22 GENERAL**

- 22.1** Notwithstanding anything contained in this Ordinance, all categories of Research Scholars shall be governed by all the relevant rules and regulations framed by the University and enforced from time to time.
- 22.2** The University shall frame the Regulations related to this Ordinance, governing the PhD Programme, for operationalizing the provisions of this ordinance and smooth conduct of the PhD Programme incorporating changes arising either from regulatory bodies or the requirement felt by the URAC from time to time.

**23 INTERPRETATION AND UNFORESEEN ISSUES**

Notwithstanding anything stated in this Ordinance, for any unforeseen issues arising, and not covered by this Ordinance, or in the event of a difference of interpretation, the Vice Chancellor may take a decision, after obtaining, if necessary, the opinion/advice of a URAC or any other individual/committee he deems fit. The decision of the Vice Chancellor shall be final and binding on such issues.



**24.1** These guidelines are suggestive and may be amended from time to time based upon the requirements after approval of the Hon'ble Vice Chancellor:

**24.1.1** Appropriate software and resources may be procured on the recommendations of CRAC.

<b>a.</b>	For visually challenged candidates, appropriate software may be procured to read study materials that are available online (although some latest devices including laptops and desktops, etc. have the embedded 'read back' system).
<b>b.</b>	A Tactile Printer built by IIT Delhi for the visually impaired may be procured and used for explaining diagrams and statistical equations.
<b>c.</b>	An Embossing Machine for printing of notes and materials in Braille may be procured for the same.

**24.1.2** Scribe required by the visually impaired during examination and/or thesis writing may be allowed or provided by the University. The person assigned/approved as a scribe should be at least one educational qualification level less than the candidate's pursuant degree. The financial concerns may be discussed on a case-to-case basis.

**24.1.3** For undertaking laboratory and research work, faculty or lab assistants may be assigned.

**24.1.4** Guidelines for the evaluation of literature review and thesis, paper publication, and mode of thesis defence would be similar to the guidelines for a regular PhD candidate

**24.1.5** Presentations to the various committees may be done orally.

**24.1.6** The timeline will be similar to that of a regular PhD candidate; however, an extension may be provided on a case-to-case basis with the approval of the Honourable Vice Chancellor.

**24.1.7** Faculty assigned to guide the candidate may be trained in Braille from any recognized Blind School.

**24.1.8** CRAC may also explore collaborative activities with Institutions like IIT Delhi, Ashoka University, Drishtee-University of Mysore, and others for research facilitation and capacity building/training of teachers.





Accredited with NAAC A Grade  
12-B Status from UGC

**TEERTHANKER MAHAVEER UNIVERSITY**  
Delhi Road, Moradabad (U.P.) - 244001

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### List of Universities, Laboratories, and Institutions Recognized under Clause 4 of the Ordinance for Doctor of Philosophy (PhD)

1. All the Indian Universities which are members of the Inter-University Board of India.
2. All Indian Universities are members of the Association of Indian Universities.
3. All Indian Institutes of Excellence viz. IIT/IIM/NIT/IIIT Institute of Technology, and Birla Institute of Technology & Science, Pilani.
4. All C.S.I.R. Laboratories in India.
5. All Laboratories are Maintained and Run by the Department of Atomic Energy.
6. Indian Association for the Cultivation of Science, Kolkata
7. India Institute of Sciences, Bangalore.
8. Tata Institute of Fundamental Research, Mumbai
9. All Defense Science Organization laboratories in India
10. Indian Institute of Public Administration, New Delhi
11. Indian School of International Studies, New Delhi
12. School of African Studies, New Delhi
13. Vishvesharanand Vedic Research Institute, Hoshiarpur.
14. Institute of Ontology, Lucknow Road, New Delhi
15. Ahimsa ShodhPeeth, Lady Hardinge Road, New Delhi
16. All Research labs of the Geological Survey of India.
17. All Research Labs of the Oil & Natural Gas Commission.
18. All Research labs of the Indian Space Research Organization.
19. All Research Labs of the Electronics Commission and Department of Electronics, Govt. of India.
20. Hindustan Steel Ltd. Research Laboratories, Durgapur
21. Electronics Corporation of India Ltd. Hyderabad
22. All India Institute of Medical Sciences, New Delhi.
23. Pandit Bhagwat Dayal Sharma Post Graduate University of Health Sciences, Rohtak
24. Post-graduate Institute of Medical Education and Research, Chandigarh.
25. National Dairy Research Institute, Karnal.
26. India Agriculture Research Institute, Pusa, New Delhi
27. All Central & State Govt. Forensic Science laboratories.
28. The Technological Institute of Textiles and Sciences, Bhiwani
29. The National Council of Educational Research and Training, New Delhi.
30. The Central Institute of Indian Languages, Mysore.
31. The Indian Statistical Institute, Calcutta and other statistical Institutes in India.
32. The Institute of Economic Growth, Delhi University, Delhi
33. All Research Labs of the Indian Council of Medical Research, New Delhi
34. All Research Labs of the Zoological Survey of India.
35. National Institute of Family Planning, New Delhi.
36. All Research labs of National Institute of Marine Biology, Panaji, Goa
37. Delhi Zoological Park, New Delhi.
38. Forest Research Institute, Dehradun.
39. All Laboratories Maintained by the Department of Science & Technology, Govt. of India.



40. Bose Institute, Calcutta.
41. Raman Institute, Bangalore.
42. Bharat Heavy Electricals Ltd. Research and Development Laboratories, Haridwar
43. Ahmadabad Textile Industries Research Association, Ahmadabad.
44. Sri Ram Centre for Industrial Research, Delhi.
45. Bombay Textiles Institute Research Association, Bombay.
46. Southern Textiles Industries Research Association, Bangalore.
47. Observations of Meteorological Department, Govt. of India.
48. Survey of India, Dehradun, Uttarakhand.
49. Central Institute of English and Foreign Languages, Hyderabad.
50. Institute of Criminology and Forensic Science, Govt. of India, Ministry of Home Affairs, New Delhi.
51. The Central Soil Salinity Research Institute, Karnal.
52. The Wadia Institute of Himalayan Geology, Dehradun.
53. Physical Research Laboratory, Ahmadabad.
54. Sikkim State Archives, Gangtok (Centre of Post-Graduate Research in History & Allied Subjects)
55. National Institute of Educational Planning and Administration, Aurobindo Marg, New Delhi.
56. Sarabhai Science Community Centre, Navarang Pura, Ahmadabad.
57. Model Institute of Education & Research, Jammu.
58. Indian Law Institute, New Delhi.
59. All Laboratories Maintained and run by the Indian Council of Agricultural Research.
60. Nuclear Science Centre (NSC) at J.N. University Campus, New Delhi.
61. Inter-University Centre in Astrology & Astrophysics (I.U.C.A.A. at Poona University, Pune)
62. Indian National Scientific Documentation Centre, New Delhi.
63. Centre for Research in Rural & Industrial Development, Chandigarh.
64. Shri Kundkund Bharti Jain Research Institute, New Delhi.
65. Ranbaxy Laboratories Limited, Gurgaon- 122 601.
66. Lupin Research Park, Pune – 411 042 (MH).
67. National Archives of India, New Delhi & All-State Archives.
68. Nehru Memorial Museum and Library, Teen Murti, New Delhi.
69. National Library, Calcutta.
70. Oriental Research Institute, Jodhpur.
71. Center for Advanced Study in History, Aligarh.
72. Jubilant Organosys Ltd. Noida (UP).

The above is an indicative list, other organizations can be considered subject to the approval of the Vice Chancellor on the recommendation of the CRAC/ BOS.

**Note:** The Institution whether belonging to Central / State Government or has come to be promoted by a private registered society/trust should at least be in existence with an uninterrupted and continual functional status of 15 years or more and should have attained a position of national or international importance.





TEERTHANKER MAHAVEER UNIVERSITY  
Delhi Road, Moradabad (U.P.) - 244001

APPLICATION FORM FOR TEERTHANKER MAHAVEER UNIVERSITY RESEARCH APTITUDE TEST (TRAT) FOR  
ADMISSION TO PhD PROGRAM

Aadhar Card No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Please paste  
your recent  
coloured  
passport size  
photograph  
here

Area of research applied for: .....

1. Name of the candidate  
(in full & block letters) .....

2. Date of Birth ..... 3. Gender (M/F).....  
(attach copy of 10<sup>th</sup> Standard Certificate)

4. Father's Name .....

5. Mother's Name .....

6. Category (General/OBC/ST/SC/Others).....

7. Residence Status (Village/Town/City)..... 8. Blood Group.....

9. Parents Occupation      Father..... Mother.....

10. Parents Education      Father.....Mother.....

11. Annual Income (Rs.) .....

12. State of Domicile ..... 13. Mother Tongue.....

14. Religion ..... 15. Nationality .....

16. Correspondence Address:.....

City/Village.....Post..... Police Station.....

District.....State.....Pin Code.....



17. Contacts Details:

STD Code.....Tel. No.....Cell No.....Email ID:.....

18. Details of the Academic Qualifications & Experience, if applicable, on the basis of which admission is being sought

**(a) Academic Qualifications (Attach Documentary Evidence/s)**

<b>Sr. No.</b>	<b>Examination Passed</b>	<b>College/ University Attended</b>	<b>Year of Passing</b>	<b>Division</b>	<b>Percentage of Marks Secured/ CGPA</b>	<b>Major Subject/ Specialization</b>	<b>Remarks</b>
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>	<b>(6)</b>	<b>(7)</b>	<b>(8)</b>
1							
2							
3							
4							
5							
6							

**(b) Details of the Experience (Attach Documentary Evidence/s)**

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(iii) \_\_\_\_\_

*(Attach extra sheet/s if required)*

**Declaration:** I do hereby declare that all the information furnished above is true to the best of my knowledge and belief. If any information is found to be incorrect, the University will have the right to cancel my application/candidature.

Place : \_\_\_\_\_

Date : \_\_\_\_\_

**(Signature of the Candidate)**





# TEERTHANKER MAHAVEER UNIVERSITY

(Established under Govt. of U.P. Act No. 30 of 2008)  
NH 24, Delhi Road, MORADABAD – 244001 (U.P.)

## CHECK LIST OF DOCUMENTS TO BE ENCLOSED WITH APPLICATION FORM

1. Self attested copies of the following:
  - a. Matriculation Marksheet
  - b. Matriculation Certificate
  - c. 10+2 Marksheet
  - d. 10+2 Certificate
  - e. Graduation Mark sheets (Year/Semester wise)
  - f. Graduation Degree
  - g. Post-Graduation Marksheets (Year/Semester wise)
  - h. Post-Graduation Degree
  - i. M.Phil. Marksheet
  - j. M.Phil. Degree
  - k. UGC-NET/SLET/GPAT qualifying Certificate
  - l. Any other Educational Qualification Certificate
  - m. All Experience Certificates
  - n. SC/ST/OBC/Jain Minority/PH Certificate, if applicable
  - o. Original Migration Certificate from the Previous University
2. Latest CV of the applicant with a photograph pasted on it
3. No Objection Certificate from the Head of the Department/Institution, if applicant is employed anywhere, as per clause 6.2
4. Brief proposal of Research Work
5. Neatly filled Enrolment form with a photograph pasted on it

### NOTE:

1. Please attach only self attested photocopies of all mark sheets, certificates and degrees or any other document.
2. The original documents shall be produced at the time of the First CRAC Meeting for their verification as per Annexure-B1, by the members of the CRAC.





# TEERTHANKER MAHA VEER UNIVERSITY

Delhi Road (N. H. 24), Moradabad -  
244001 (U.P.)

## AWARD LIST

(INTERVIEW / VIVA VOCE  
EXAMINATION)

Programme : TRAT

Discipline :

College :

Session :

Max. Marks : 30

Date :

Sl. No.	TRAT Roll. No.	Candidate's Name	I*	II*	III*	Total Obtained Marks	
			10	10	10	Figure	Words

**Note 1 :** I\* : Research Interest / Area through discussion.

II\* : Whether the candidate possesses the competency for the proposed research.

III\* : Whether the proposed area of research can contribute to new /additional knowledge.

**Note 2:** No Synopsis presentation at this stage.

Sig of Chairperson, CRAC

College Name:

Teerthanker Mahaveer University, Moradabad.





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**RESEARCH ADVISORY COMMITTEE (RAC)**

Name of Research Scholar : \_\_\_\_\_  
 Name of Supervisor : \_\_\_\_\_  
 Name of Co-Supervisor (if any) : \_\_\_\_\_  
 Date of Registration : \_\_\_\_\_  
 Registration No./Enrolment No. : \_\_\_\_\_  
 Name of College/Department : \_\_\_\_\_

**A. Composition of RAC**

Sl. No.	Composition	Designation	Names
(i)	Supervisor	Convener	
(ii)	Co-Supervisor (if any)	Member	
(iii)	Any Two Faculty Members with PhD from the related area/discipline	Members	

RAC Composition approved by:

Signature of the Chairperson-CRAC \_\_\_\_\_









**(Course Structure for Agriculture's Research Scholars)**

S. No.	Course	Category as Per ICAR	Duration of Exam	Minimum Qualifying Marks	Max Marks	Credits	Semester
1.1	Research Methodology	Supporting Course	3 Hrs.	60	100	4	First
1.2	Quantitative Methods & Computer Application	Supporting Course	3 Hrs.	60	100	2	
1.3	Research & Publication Ethics	Supporting Course	3 Hrs.	60	100	2	
1.4	Seminar on Review of Literature	Supporting Course	3 Hrs.	60	100	2	
1.5	<b>Discipline Specific Courses (anyone):</b> Agronomy- Current Trends in Agronomy Plant Pathology- Advances in Mycology Soil Science- Clay Mineralogy	Major Course	3 Hrs.	60	100	3	
<b>Total</b>				<b>300</b>	<b>500</b>	<b>13</b>	
<b>2.1</b>	<b>Discipline Specific Courses:</b>						Second
<b>A</b>	<b>Agronomy</b>						
	Recent trends in crop growth and productivity	Major Course	3 Hrs.	60	100	3	
	Irrigation management	Major Course	3 Hrs.	60	100	2	
	Recent trends in weed management	Major Course	3 Hrs.	60	100	2	
	Research and Publication ethics	Major Course	3 Hrs.	60	100	2	
<b>Total</b>				<b>240</b>	<b>400</b>	<b>09</b>	
<b>B</b>	<b>Plant Pathology-</b>						
	Advances in Virology	Major Course	3 Hrs.	60	100	3	
	Advances in Plant Pathogenic Prokaryotes	Major Course	3 Hrs.	60	100	3	
	Molecular Basis of Host-pathogen Interaction	Major Course	3 Hrs.	60	100	3	
<b>Total</b>				<b>180</b>	<b>300</b>	<b>09</b>	
<b>C</b>	<b>Soil Science-</b>						
	Modern concept in soil fertility	Major Course	3 Hrs.	60	100	2	
	Physical chemistry of soil	Major Course	3 Hrs.	60	100	2	
	Soil genesis and micromorphology	Major Course	3 Hrs.	60	100	2	
	Bio-chemistry of soil organic matter	Major Course	3 Hrs.	60	100	3	
<b>Total</b>				<b>240</b>	<b>400</b>	<b>09</b>	
<b>2.2</b>	<b>Interdisciplinary Courses:</b>						
<b>A</b>	<b>Agronomy-</b>						
	Modern concept in soil fertility	Minor Course	3 Hrs.	60	100	2	



	Physical Chemistry of Soil	Minor Course	3 Hrs.	60	100	2	
	Biochemistry of Soil organic matter	Minor Course	3 Hrs.	60	100	2	
	<b>Total</b>			<b>180</b>	<b>300</b>	<b>06</b>	
<b>B</b>	<b>Plant Pathology-</b>						
	Insect Vectors of Plant Pathogens	Minor Course	3 Hrs.	60	100	2	
	PGR Exchange and Quarantine	Minor Course	3 Hrs.	60	100	2	
	Seed Health Testing and Management	Minor Course	3 Hrs.	60	100	2	
	<b>Total</b>			<b>180</b>	<b>300</b>	<b>06</b>	
<b>C</b>	<b>Soil Science-</b>						
	Soil Conservation and Watershed Management	Minor Course	3 Hrs.	60	100	3	
	Recent trends in crop growth and	Minor Course	3 Hrs.	60	100	3	
	<b>Total</b>			<b>180</b>	<b>300</b>	<b>06</b>	
	<b>Total Marks &amp; Credits for Second Semester</b>			<b>420</b>	<b>700</b>	<b>15</b>	
<b>3.1</b>	<b>Seminar</b>	Major Courses	-	Satisfactory/non-satisfactory		1	Third
<b>3.2</b>	<b>Thesis Research</b> Agronomy/ Plant Pathology/Soil Science (Finalize and submit the research plan/synopsis and conference paper.)	Major Courses	-			15	
	<b>Total</b>					<b>16</b>	
<b>4.1</b>	<b>Seminar</b>	Major Courses	-	Satisfactory/non-satisfactory		1	Fourth
	<b>Thesis Research</b> Agronomy/ Plant Pathology/Soil Science (Field experimentation/lab work/data collection, Analysis, Conference paper)	Major Courses	-			20	
	<b>Total</b>					<b>21</b>	
<b>5</b>	<b>Thesis Research</b> Agronomy/ Plant Pathology/Soil Science (Field experimentation/lab work/data collection, analysis. thesis writing, <b>Journal Publications-</b> UGCCare/Scopus/WoS/PubMed/ICI/SCI/NAAS)	Major Courses	-	Satisfactory/ non-satisfactory		<b>20</b>	Fifth
<b>6</b>	<b>Thesis Research</b> Agronomy/ Plant Pathology/Soil Science (Pre-thesis presentation /thesis submission, external evaluation., <b>Journal publication-</b> UGCCare/Scopus/WoS/PubMed/ ICI/SCI/ NAAS)	Major Courses	-	Satisfactory/ non-satisfactory		<b>20</b>	Sixth
	<b>Total Credits Agronomy/ Plant Pathology/Soil Science</b>					<b>105</b>	



Course & Course Code of the individual programme has been allotted as per the guidelines of ICAR.

ANNEXURE – C4

### REQUIRED INFORMATION FOR THE PROPOSED RESEARCH SUPERVISOR/CO-SUPERVISOR

SL. NO.	NAME OF FACULTY	DESIGNATION & AFFILIATION	AGE OF PROPOSED SUPERVISOR	DISCIPLINE	AREA	PH.D. UNI. & YEAR	NAAC/ NIRF	TEACHING EXP. IN YEARS	IN CASE OF CO-SUP. NAME OF SCHOLAR
1									
2									
3									

Justification is needed in case of proposing the name of External Co-Supervisor:

SL. NO.	NAME OF THE FACULTY AS 1 <sup>st</sup> AUTHOR	NAME OF THE FACULTY AS 2 <sup>nd</sup> AUTHOR	TITLE OF THE RESEARCH PAPER WITH DOI (3 Research papers for Assistant Professor & 5 for Associate Professor/Professor)	NAME OF THE JOURNAL	PUB. YEAR	Vol. & Issue	WEB OF SCI.	SCOPUS	ICI (INDIAN CITATION INDEX )	PUBMED
1										
2										
3										

Declaration: All the above information are checked & verified by the Chairperson CRAC before its recommendation.

Signature of the Chairperson CRAC:





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### RESEARCH WORK PLAN

Sl. No.	Stages of Research Work	Semester-wise completion of each stage of the research work plan as mentioned serial-wise from 1 to 10
1	Completion of Coursework	.....
2	Literature Review	.....
3	Topic finalization	.....
4	Research Proposal finalization	.....
5	Instrument Design	.....
6	Data Collection	.....
7	Analysis of Data	.....
8	Results and Discussions	.....
9	Writing the Thesis	.....
10	Thesis Submission	.....

**Note:** The above plan is to be prepared and submitted for the approval of the Research Advisory Committee (RAC).

Name of Research Scholar:

Name & Signature of Supervisor

Registration Number:

Name & Signature of RAC Members

Registration Date:

1.

Discipline:

2.







# TEERTHANKER MAHAVEER UNIVERSITY

(Established under Govt. of U. P. Act No. 30, 2008)

Delhi Road, Moradabad (U.P.)

## ASSESSMENT PROFORMA FOR REVIEW OF LITERATURE

Name of Scholar: \_\_\_\_\_

Registration No. \_\_\_\_\_

College/Department: \_\_\_\_\_

Date of Registration: \_\_\_\_\_

Working Title: \_\_\_\_\_

### (A). Assessment:

Evaluation Parameters	Comments
Comprehensiveness of the literature covered (Good/Satisfactory/Not adequate)	
Level of literature reviewed (National/International)	
Type of literature covered (Research Paper/Reference Books/ Journals/Reports)	
Quality/standard of the literature reviewed (Good/Satisfactory/Poor) 1. Did he relate the findings to various works? 2. Did he raise questions? 3. Did he find gaps for research? 4. Format of writing LR 5. Correctness of writing the findings of LR	
Bibliography prepared in accordance with APA Format (Yes/No)	
Any other observation(s)/suggestion(s):	

### (B). Please comment specifically on the following:

1. Whether the research scholar has been able to identify the research gap (s) thus justifying the need for the present research:

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2. Does the research scholar need to cover more literature? Please suggest what:

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3. Is the research study going in the right direction? If not, please give your observations to modify the same:  
.....  
.....  
.....  
.....  
.....

4. Review of Literature be *(please specify one of the below, and strike out the others)*.
- a. Accepted
  - b. Accepted with minor changes
  - c. Accepted to substantial revision
  - d. Can not be accepted in the present form at all and needs to be resubmitted

**Name & Signature**  
**CRAC Chairperson**

**Name & Signature**  
**External Examiner**







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### FEE STRUCTURE

**(All programmes except under the Faculty of Medical & Dental Sciences)**

The fee payable by the research scholar enrolled for the PhD program shall be as under:

Sl. No.	Description	Schedule of Payment	Amount (Rs.)
1	Application-cum-Processing Fee	With application form	2,000.00
2	Registration Fee	At the time of registration	50,000.00
3	1 <sup>st</sup> Instalment of Fee	15 days before the expiry of the first year of registration	50,000.00
4	2 <sup>nd</sup> Instalment of Fee	15 days before the expiry of the second year of registration	50,000.00
5	3 <sup>rd</sup> Instalment of Fee	15 days before the expiry of the third year of registration	50,000.00
6	4 <sup>th</sup> Instalment of Fee	At the time of thesis submission	30,000.00

1. An extension fee of Rs. 25,000 per year will be charged after the completion of the third year of registration.
  - 1.1 The above extension fee will not apply to female scholars who fall under the purview of Clause 13.3.1 of the PhD Ordinance of the University.
2. Late fee fine at the rate of 9% per annum.





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**FEE STRUCTURE**

**(Faculty of Medical Sciences)**

The fee payable by the Research Scholar enrolled for the PhD program shall be as under:

Sl. No.	Description	Schedule of Payment	Amount (Rs.)
1	Application-cum-Processing Fee	With application form	2,000.00
2	Registration Fee	At the time of registration	2,00,000.00
3	1 <sup>st</sup> Instalment of Fee	15 days before the expiry of the first year of registration	1,00,000.00
4	2 <sup>nd</sup> Instalment of Fee	15 days before the expiry of the second year of registration	1,00,000.00
5	3 <sup>rd</sup> Instalment of Fee	15 days before the expiry of the third year of registration	1,00,000.00
6	4 <sup>th</sup> Instalment of Fee	At the time of thesis submission	1,00,000.00

1. An extension fee of Rs. 2,00,000 per year will be charged after the completion of the third year of registration.
  - 1.1 The above extension fee will not apply to female scholars who fall under the purview of Clause 13.3.1 of the PhD Ordinance of the University.
2. Late fee fine at the rate of 9% per annum.





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**FEE STRUCTURE**

**(Faculty of Dental Sciences)**

The fee payable by the Research Scholar enrolled for the PhD program shall be as under:

Sl. No.	Description	Schedule of payment	Amount (Rs.)
1	Application-cum-Processing Fee	With application form	2,000.00
2	Registration Fee	At the time of registration	1,00,000.00
3	1 <sup>st</sup> Instalment of Fee	15 days before the expiry of the first year of registration	70,000.00
4	2 <sup>nd</sup> Instalment of Fee	15 days before the expiry of the second year of registration	70,000.00
5	3 <sup>rd</sup> Instalment of Fee	15 days before the expiry of the third year of registration	70,000.00
6	4 <sup>th</sup> Instalment of Fee	At the time of thesis submission	90,000.00

1. An extension fee of Rs. 50,000 per year will be charged after the completion of the third year of registration.
  - 1.1 The above extension fee will not apply to female scholars who fall under the purview of Clause 13.3.1 of the PhD Ordinance of the University.
2. Late fee fine at the rate of 9% per annum.





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**FEE STRUCTURE**  
**(Faculty of Nursing)**

The fee payable by the Research Scholar enrolled for the **Regular PhD** program shall be as under w.e.f. TRAT January 2024:

Sl. No.	Description	Schedule of Payment	Amount (Rs.)
1	Application-cum-Processing Fee	With application form	2,000.00
2	Registration Fee	At the time of registration	1,00,000.00
3	1st Instalment of Fee	15 days before the expiry of the first year of registration	80,000.00
4	2nd Instalment of Fee	15 days before the expiry of the second year of registration	80,000.00
5	3rd Instalment of Fee	15 days before the expiry of the third year of registration	80,000.00
6	4th Instalment of Fee	At the time of thesis submission	60,000.00

\*An extension fee of Rs. 15,000 per year will be charged after the completion of the third year of registration for the scholars pursuing PhD in regular mode.  
Late fee fine at the rate of 9% per annum.

\*\*The above extension fee will not apply to women who fall under the purview of Clause 12.3 of the PhD Ordinance of the University.

The fee payable by the Research Scholar enrolled for the **Part-Time PhD** program shall be as under w.e.f. TRAT January 2024:

Sl. No.	Description	Schedule of Payment	Amount (Rs.)
1	Application-cum-Processing Fee	With application form	2,000.00
2	Registration Fee	At the time of registration	1,00,000.00
3	1st Instalment of Fee	15 days before the expiry of the first year of registration	50,000.00
4	2nd Instalment of Fee	15 days before the expiry of the second year of registration	50,000.00
5	3rd Instalment of Fee	15 days before the expiry of the third year of registration	50,000.00
6	4th Instalment of Fee	15 days before the expiry of the fourth year of registration	50,000.00
7	5 <sup>th</sup> Instalment of Fee	15 days before the expiry of the fifth year of registration	50,000.00
8	6 <sup>th</sup> Instalment of Fee	At the time of thesis submission	50,000.00

1. An extension fee of Rs. 15,000 per year will be charged after the completion of the third year of registration.
  - 1.1 The above extension fee will not apply to female scholars who fall under the purview of Clause 13.3.1 of the PhD Ordinance of the University.
2. Late fee fine at the rate of 9% per annum.





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**SEMESTER PROGRESS REPORT OF RESEARCH WORK**

Assessment No	:	_____
Assessment Period	:	_____
Name of Research Scholar	:	_____
Name of Supervisor	:	_____
Name of Co-Supervisor (if any)/NA	:	_____
Topic of Research	:	_____
Registration Number	:	_____
Date of Registration	:	_____
Enrolment No.	:	_____
Name of College/Department	:	_____

**1. Work Progress Details during the current period:**

Sl. No.	Work progress	Details	Date
(i)	Workshops/Seminars		
(ii)	Conferences		
(iii)	MOOC		
(iv)	Publications		
(v)	Frequency of meeting the guide		
(vi)	Any other		



**2. Next Action for the Pending Work (Reference Original Work Plan (Gant Chart –Annexure D)**

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

**3. Work Progress Assessment by RAC**

Sl. No.	Name	RAC Members	Satisfactory/ Non-Satisfactory	Signature
(i)	Dr.	Supervisor		
(ii)	Dr.	Co-Supervisor (if Any)		
(iii)	Dr.	Member		
(iv)	Dr.	Member		
(v)	Dr.	Member (if Any)		

**4. CRAC Remarks/Recommendations**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature of the Research Scholar's with date: \_\_\_\_\_

Signature of the Chairperson-CRAC with date: \_\_\_\_\_



**(Refer Clause 14)****Instructions for preparation of PhD thesis**

1. The thesis must be typed using MS Word, in Times New Roman font size 12, with a heading in font size 14 and bold. The text shall be in line spacing of 1.5 with side margins Left 1.5” and a right margin 1.0”.
2. The thesis should be typed on good quality A-4 size paper. It should be typed on both sides of the paper in case of Pre-thesis and in case of final thesis, it will be on one side with a line spacing of 1.5.
3. Suitable reproduction of Indian-ink diagrams should be used. Photographs should be suitably mounted on the same quality paper as the thesis.
4. References should be given in APA/IEEE/MLA/Vancouver & any other relevant style.
5. Five copies of the thesis in soft binding, Sequence will be the Inner cover page, Declaration (Annexure-I), Certificate (Annexure-J), Plagiarism Verification (Annexure-K), Acknowledgement, Abstract, Table of Contents, List of Tables, List of Figures, List of Abbreviations, Body of the thesis (all chapters), Bibliography, Appendices, Best of Two published Research Papers approved by CRAC, 7 copies of summary of thesis, Thesis Submission Form (Annexure VI), two CDs containing copy of thesis, copy of summary of thesis, copy of two research papers approved by the CRAC & published in journal for record must be submitted to the research coordinator in the concerned College, from where they would be forwarded to the examination division for evaluation.
6. The cover and inner cover page should have the following printed on it in block letters:

**TITLE OF THE THESIS****BY****NAME OF THE RESEARCH SCHOLAR**

Enrollment No.: \_\_\_\_\_

**UNDER THE SUPERVISION OF**

Name of the Supervisor(s)

**NAME OF THE COLLEGE****Submitted**

in partial\* fulfillment of the requirement of the degree of Doctor of Philosophy in Discipline Name under the Faculty of .....

to the



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Year (in figures only)



**\*Note: For the Final Thesis 'partial' word will be removed from the cover page. Declaration Annexure-N & Certificate Annexure-O will be used in the Final Thesis.**

7. After the Oral Defense examination, three copies\* of the thesis in Maroon colour hardcover binding must be submitted. The cover should have the material indicated in item 6 above printed on it. Besides, the following should be printed on the spine of the thesis:
- i) The year of publication at the top;
  - ii) Research Topic in the middle; and
  - iii) Name of scholar & Ph.D. at the bottom.



8. The contents of the thesis should have the following formats:
- i) Inner cover page
  - ii) Copyright
  - iii) Declaration
  - iv) Certificate
  - v) Acknowledgement
  - vi) Abstract;
  - vii) Table of Contents
  - viii) List of Tables
  - ix) List of Figures
  - x) List of Abbreviations
  - xi) Body of the thesis (all chapters)
  - xii) Bibliography
  - xiii) Appendices
  - xiv) Best of two published Research Papers approved by the CRAC.



# DECLARATION

**[Format for Pre-thesis in Soft Bound]**

I do hereby declare that the thesis titled “-----  
-----” submitted to (CRAC  
Name) -----, Teerthanker Mahaveer University in partial  
fulfillment of the requirement for the award of the degree of Doctor of Philosophy in (Discipline  
Name) ----- under the Faculty of (Faculty Name) ----- is a record  
of original work done by me during the period of my study under the supervision and guidance of ---  
-----.

This thesis has not formed the basis for the award of any Degree/ Diploma/ Associateship/  
Fellowship or similar other title to any scholar of any University.

The manuscript has undergone a plagiarism check by Turnitin software (Submission ID: -----  
-----) and the similarity index is \_\_\_\_\_, which is within the accepted norms of the  
University.

**Signature:** \_\_\_\_\_

**Name of Scholar:** \_\_\_\_\_

**Enrollment No.:** \_\_\_\_\_

**Place:** \_\_\_\_\_

**Date:** \_\_\_\_\_



# CERTIFICATE

**[Format for Pre-thesis in Soft Bound]**

Certified that the thesis titled “-----” submitted to (CRAC Name) ----- Teerthanker Mahaveer University, Moradabad in partial fulfillment of the requirements for the award of the Degree of Doctor of Philosophy in (Discipline Name) -----under the Faculty of (Faculty Name) -----is a record of original work done by (Name of Scholar)----- during the period of his study under my/our supervision and guidance.

This thesis has not formed the basis for the award of any Degree/ Diploma/ Associateship/ Fellowship or similar title by any other person in any of the Universities.

**Research Supervisor(s)**

**Signature:**

**Name of Supervisor:**

**Designation:**

**Teerthanker Mahaveer University,  
Moradabad U.P.**

**Chairperson, College Research Advisory Committee**

**Name of the College/ Department**

**Teerthanker Mahaveer University**



# PLAGIARISM VERIFICATION

*Date:* .....

This is to certify that the thesis titled below has been subjected to a plagiarism check. Following are the details of the report generated:

Title of the Thesis : \_\_\_\_\_

Research Scholar : \_\_\_\_\_

Enrollment No.: : \_\_\_\_\_

Software used for checking plagiarism : \_\_\_\_\_

Submission ID : \_\_\_\_\_

Total no. of pages : \_\_\_\_\_

Time submitted : \_\_\_\_\_

Similarity Index : \_\_\_\_\_ %

Total word count : \_\_\_\_\_

Character count : \_\_\_\_\_

The thesis may be considered for the evaluation and further proceedings to the award of degree of Doctor of Philosophy.

**Checked by:**

**Controller of Examinations**





# TEERTHANKER MAHAVEER UNIVERSITY

(Established under Govt. of U. P. Act No. 30, 2008)  
NH 24, DELHI ROAD, MORADABAD – 244001 (U.P.)

## PHD THESIS EVALUATION REPORT

*(The thesis examination report proforma is divided into four parts. Part 1 consists of particulars of the Research scholar and thesis; Parts 2, 3, and 4 are to be completed by the examiner. Please use extra sheets wherever required)*

### 1. PARTICULARS OF RESEARCH SCHOLAR

(i)	Name	:	_____
(ii)	Enrollment No.	:	_____
(iii)	College/Department/ Centre	:	_____
(iv)	Title of Thesis	:	_____
			_____
			_____
			_____

### 2. EVALUATION REPORT

*(While evaluating the research work the examiner is expected to bear in mind that a PhD is the highest academic degree and accordingly a comprehensive and critical examination of the research work is required and a detailed report justifying the acceptance/revision/rejection of the thesis is anticipated)*

*\*Kindly use additional sheets, if required.*

#### A. General Comments:

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#### B. Strengths of Thesis:

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**C. Weaknesses (if any) of Thesis:**

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**D. Specific Comments:**

*I. Has the research problem been clearly defined?*

.....

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*II. Does the research problem has any theoretical or applied relevance?*

.....

.....

.....

*III. Are the research objectives clear?*

.....

.....

.....

*IV. Comprehensiveness of the literature covered:*

*a. Have major works, including recent ones in the field, been covered?*

.....

.....

*b. Has it been able to identify the research gap(s) justifying the need for the present research?*

.....

.....

*c. Has it been able to establish linkages with the research problem?*

.....

.....

*V. Has the hypothesis been correctly formulated?*

.....

.....

.....

*VI. Is the research methodology well defined (viz. experiments/techniques, sampling design, data collection methods, data analytical tools applied, and result discussion, etc.)?*

.....

.....

.....

*VII. Are inferences drawn, on the basis of data analysis and hypothesis testing and the interpretation thereof, capable of providing solution to the research problem?*

.....

.....



VIII. Does the published research papers bear relevance to the research problem?

.....  
.....

IX. Kindly rate the quality of the thesis in terms of:

- a. Content organization :Excellent/Very Good/Good/Satisfactory/Poor
- b. Language clarity and coherence :Excellent/Very Good/Good/Satisfactory/Poor
- c. Research methodology :Excellent/Very Good/Good/Satisfactory/Poor
- d. Data analysis and presentation  
(viz. use of tables/graphs/etc.) : Excellent/Very Good/Good/Satisfactory/Poor
- e. Bibliography format: As per APA/IEEE/MLA Vancouver & any other relevant: Yes/No

### 3. RECOMMENDATION

*[Based on the overall assessment, please place the thesis in any one of the three categories (a), (b), or (c) given below striking out the statements that are not applicable. Also, give a detailed report on the thesis indicating therein whether the thesis or a part of it can be published in its present form or the thesis may be revised/improved for publication on the indicated lines in the case of recommendation (a); nature and details of revision of thesis in case of recommendation (b); critical points/reasons forming the basis for rejection of the thesis in case of recommendation(c) below]*

I recommend that the thesis (please specify only one of the below striking out the others):

a. **accepted for the award of a PhD degree.**

**OR**

b. **accepted for the award of a PhD degree with suggested minor corrections to be incorporated in the thesis by the Research Scholar.**

**OR**

c. **referred back to the Research Scholar for major suggested changes to be incorporated for re-evaluation of the thesis.**

**OR**

d. **rejected.**

**Signature of the Examiner**

**Date:** .....

**Name** .....

**NOTE:** In case of recommendations (a) and (b) above, please provide a list of at least FIVE questions (in Section 5 of this report) that may be asked from the Research Scholar at the time of the Oral Defense Examination.

### 4. RECOMMENDATION REPORT

*(Please use additional sheets, if required)*

*(a). In case the examiner recommends that the thesis should be accepted for the award of a PhD degree, please indicate whether the thesis or a part of it is recommended for publication in its present form or whether the thesis may be revised/improved for publication on the suggested lines. Please suggest areas or the lines on which the thesis can be improved for its publication:*

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**Date:** ..... **Signature of the Examiner**  
**Name** .....

**5. SUGGESTED QUESTIONS FOR THE ORAL DEFENSE EXAMINATION**

[In case of acceptance of the thesis, please provide a list of at least five questions that may be asked from the Research Scholar at the time of the Oral Defense examination]

- Q1.....
- Q2.....
- Q3.....
- Q4.....
- Q5.....

**Signature of the Examiner**  
**Date:** ..... **Name**.....  
**Place:** ..... **Address**.....  
.....





**TEERTHANKER MAHAVEER UNIVERSITY**  
**Delhi Road, Moradabad (U.P.) - 244001**  
**NO DUES CERTIFICATE FOR PhD THESIS SUBMISSION**  
**(To be filled by the research scholar)**

- 1 Name of Research Scholar : \_\_\_\_\_
- 2 Registration No. : \_\_\_\_\_
- 3 Date of Registration : \_\_\_\_\_
- 4 Faculty & Discipline : \_\_\_\_\_
- 5 College/Department/Centre : \_\_\_\_\_

.....X.....X.....X.....  
 (For Office Use)

Verified that Mr./Ms. .... has paid his PhD fee as per the following details:

Fee Description	Amount (Rs.)	Receipt No.	Due Date	Payment Date	Remarks
Application Fee					
Registration Fee					
1 <sup>st</sup> Installment Fee					
2 <sup>nd</sup> Installment Fee					
Extension Fee for 3 <sup>rd</sup> Year					
Extension Fee for 4 <sup>th</sup> Year					
Extension Fee for 5 <sup>th</sup> Year					
Laboratory Charges 1 <sup>st</sup> Year					
Laboratory Charges 2 <sup>nd</sup> Year					
Laboratory Charges 3 <sup>rd</sup> Year					
Laboratory Charges 4 <sup>th</sup> Year					
Laboratory Charges 5 <sup>th</sup> Year					
3 <sup>rd</sup> Installment Fee/ Thesis Submission Fee					
Any other charges, if applicable					

Further, it is verified that Mr./Ms. .... has paid all his dues including fine and other charges up to date and nothing is outstanding against him/her as of date. He/ She may be allowed to submit his thesis as mentioned above.

It is also verified that Mr./Ms. ....has**availed/not availed** the research fellowship from TMU. There is an **outstanding/no outstanding** against him/her related to the research fellowship.

Signature with seal

(FINANCE OFFICER)Place: \_\_\_\_\_ Date: \_\_\_\_\_



# DECLARATION

## [Format for Final Thesis Submission in Hard Bound]

I do hereby declare that the thesis titled “-----  
 -----” submitted to (CRAC  
 Name) -----, Teerthanker Mahaveer University in fulfillment of the requirement for  
 the award of the degree of Doctor of Philosophy in (Discipline Name)----- under the  
 Faculty of (Faculty Name)..... is a record of original work done by me during the  
 period of my study under the supervision and guidance of -----.

This thesis has not formed the basis for the award of any Degree/ Diploma/ Associateship/  
 Fellowship or similar other title to any scholar of any University.

**Signature:** \_\_\_\_\_

**Name of Scholar:** \_\_\_\_\_

**Enrollment No.:** \_\_\_\_\_

**Place:** \_\_\_\_\_

**Date:** \_\_\_\_\_



# CERTIFICATE

**[Format for Final Thesis Submission in Hard Bound]**

Certified that the thesis titled “-----” submitted to (CRAC Name) ----- Teerthanker Mahaveer University, Moradabad in fulfillment of the requirements for the award of the Degree of Doctor of Philosophy in (Discipline Name) ----- under the Faculty of (Faculty Name)..... is a record of original work done by (Name of Scholar) -----during the period of his study under my/our supervision and guidance.

This thesis has not formed the basis for the award of any Degree/ Diploma/ Associateship/ Fellowship or similar title by any other person in any of the Universities.

**Research Supervisor(s):**

**Signature:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Name:** \_\_\_\_\_

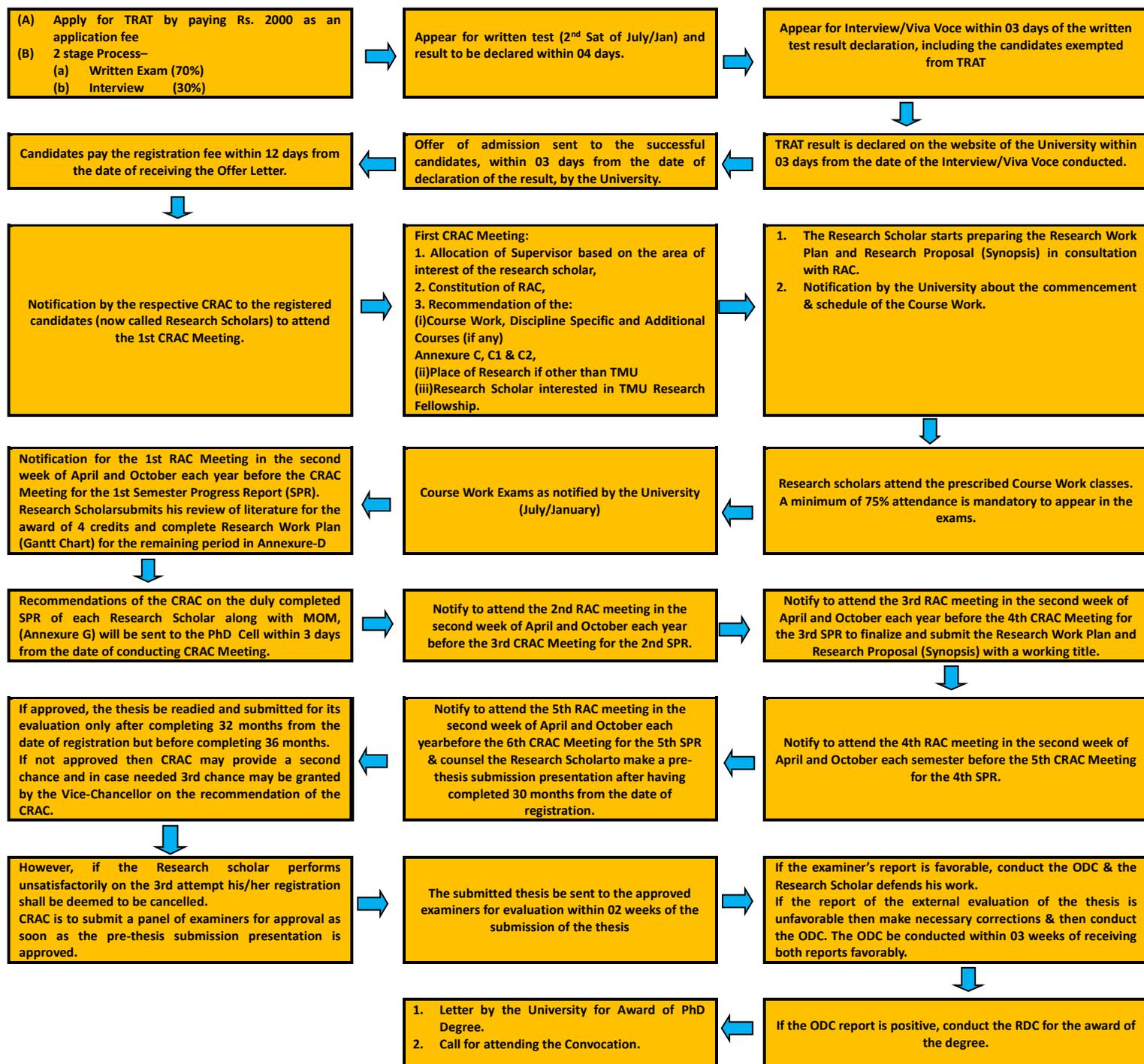
**Name:** \_\_\_\_\_

**Chairperson, College Research Advisory Committee  
Name of the College/ Department  
Teerthanker Mahaveer University**



## STANDARD OPERATING PROCEDURE FOR Ph.D. Programme

### Registration, Coursework and Progress Monitoring





**TEERTHANKER MAHAVEER UNIVERSITY**  
(Established under Govt. of U. P. Act No. 30, 2008)  
NH-24, DELHI ROAD, MORADABAD – 244001 (U.P.)

**APPLICATION FOR PRE THESIS SUBMISSION PRESENTATION**

Dated: \_\_\_\_\_

CRAC Chairperson  
College/Department/Centre \_\_\_\_\_  
Teerthanker Mahaveer University  
MORADABAD - 244001 (Uttar Pradesh)

**Subject: Request for Pre Thesis Submission Presentation**

Dear Sir/Madam,

With reference to above, the details of my registration to the Ph.D. programme are as given below:

Name	_____
Supervisor	_____
Co-supervisor (if any)	_____
Faculty	_____
College/Department/Centre	_____
Enrollment No.	_____
Date of Registration	_____
Approved Title of Thesis	_____
	_____
	_____
	_____



I have completed my research work on the approved topic and my draft thesis is completed. So, I want to make a Pre Thesis Submission Presentation on my research work. I have already completed the coursework requirements and presented all my Semester Progress Reports (SPRs), and complied with all the suggestions/observations made by CRAC in SPR presentations regarding the progress of my

research work. Further, I have published the required number of research papers related to my topic of research in reputed national/international research journals to the satisfaction of CRAC.

Further, I have also paid all my dues up to date and nothing is outstanding against me as on date.

Kindly permit me to make 'Pre Thesis Submission Presentation' and arrange for the same at your earliest convenience. I am submitting herewith eight copies in soft binding of summary of my research work including bibliography, two copies of the draft thesis, copy of the research publications related to the thesis and one CD containing draft thesis as per your requirement.

**Date:** .....

**Place:** .....

**Signature of the Candidate**.....

**Name** .....

**Address**.....

.....

.....

**FORWARDING BY RESEARCH SUPERVISOR(S):**

**Recommended/Not recommended** for pre thesis submission presentation.

**Signature of the Supervisor**

**Name** .....

**Address**.....

.....

.....

**Date**.....

**Signature of the Co-Supervisor**

**Name** .....

**Address**.....

.....

.....

**Date**.....





# TEERTHANKER MAHAVEER UNIVERSITY

(Established under Govt. of U. P. Act No. 30, 2008)

NH-24, DELHI ROAD, MORADABAD – 244001 (U.P.)

## REPORT OF CRAC ON THE REQUEST FOR PRE THESIS SUBMISSION PRESENTATION

The applicant named \_\_\_\_\_ enrollment no. \_\_\_\_\_ is a research scholar at the College/Department/Centre \_\_\_\_\_ of the University and is doing his research on the approved topic entitled \_\_\_\_\_

Verified that:

(a) He/She has completed the prescribed course work as given below:

	Course	Result	Date of Result
All Faculty (Except Nursing)	(i) Research Methodology		
	Quantitative Methods and Computer Applications		
	Research and Publication Ethics		
	Seminar on Literature Review		
	Interdisciplinary Paper, <i>if applicable</i>		
For Nursing	(i) Research Methodology & Applied Statistics		
	(ii) Nursing Science & Theory Development		
	(iii) Research and Publication Ethics		
	(iv) Seminar/Term paper in the area of research (Internal assessment)		
	(v) VivaVoce (Proposal defense)		

(b) He/She has submitted and presented his/her Semester Progress Report (s) as given below:

Report	Date of Presentation	Recommendation of CRAC
(i) 1 <sup>st</sup> Semester Progress Report		
(ii) 2 <sup>nd</sup> Semester Progress Report		
(iii) 3 <sup>rd</sup> Semester Progress Report		
(iv) 4 <sup>th</sup> Semester Progress Report		
(v) 5 <sup>th</sup> Semester Progress Report		
(vi) 6 <sup>th</sup> Semester Progress Report		
(vii) 7 <sup>th</sup> Semester Progress Report*		
(viii) 8 <sup>th</sup> Semester Progress Report*		

\*If Applicable



(c) He/She has published the research papers related to his/her topic/area of research as given below:

Paper	Title of Paper	Journal Details	Date of acceptance in the CRAC Meeting
Paper I			
Paper II			

(d) He/she has paid all his/her Ph.D. fee installments till date.

Since the research scholar has fulfilled/not-fulfilled all the academic requirements of PhD ordinance of the university to be eligible for Pre Thesis Submission Presentation, it is recommended that he/she may/may not be allowed to make his/her Pre Thesis Submission Presentation on the proposed dates .....

Signature of Research Coordinator: \_\_\_\_\_

Name: \_\_\_\_\_

Department: \_\_\_\_\_

College/Department/ Centre: \_\_\_\_\_

Date: \_\_\_\_\_

Approved By:

Chairperson, CRAC

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_





## TEERTHANKER MAHAVEER UNIVERSITY

(Established under Govt. of U. P. Act No. 30, 2008)

NH-24, DELHI ROAD, MORADABAD – 244001 (U.P.)

### APPROVAL OF CRAC CHAIRPERSON ON THE APPLICATION FOR PRE-THESIS SUBMISSION PRESENTATION

- 1 Name of Research Scholar : \_\_\_\_\_
- 2 Enrollment No. : \_\_\_\_\_
- 3 Faculty : \_\_\_\_\_
- 4 Approved Title of Thesis (BLOCK : \_\_\_\_\_  
LETTERS) \_\_\_\_\_  
\_\_\_\_\_

In reference to above, on the basis of facts stated in the report of CRAC dated ..... and my personal observation, the candidate is **Allowed/Not Allowed** to make pre thesis submission presentation of his/her research work. The schedule of the presentation is fixed as given below:

**Date:** .....

**Time:** .....

**Venue:** .....

.....

The research coordinator is required to send a written communication to the research scholar as well as the research supervisor(s) about the schedule of presentation. The scholar should also be provided with 'GENERAL GUIDELINES FOR PRE THESIS SUBMISSION PRESENTATION' along with the schedule of presentation. It is also desirable to ascertain in advance whether the candidate shall need some special arrangement for presentation like some specific equipment/instrument, special facility etc. If so, the research coordinator should do the needful to arrange for the same.

Signature of the CRAC Chairperson .....

Date: .....

Name.....





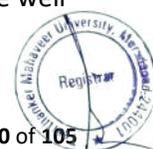
## TEERTHANKER MAHAVEER UNIVERSITY

(Established under Govt. of U. P. Act No. 30, 2008)

NH-24, DELHI ROAD, MORADABAD – 244001 (U.P.)

### GENERAL GUIDELINES FOR PRE THESIS SUBMISSION PRESENTATION

1. The title of thesis should be exactly the same as approved by the university.
2. The research scholar must have earned at least 14 credits in the Ph.D. Coursework (18 credits in case of interdisciplinary research).
3. The research scholar must have published at least two research papers related to the approved topic of research in national/international journals of repute to the satisfaction of CRAC.
4. The research scholar must have submitted and presented the Semester Progress Report (s), and secured a favourable decision of CRAC for continuation of registration to the PhD programme in each of the SPRs. Also, the research scholar should have completed the additional requirements, if any, mentioned by the CRAC in their recommendation in Semester Progress Report (s).
5. The research scholar should clear all the outstanding dues including fine, if any.
6. The research scholar should complete the research work and prepare a draft thesis which should be duly checked and certified by the approved supervisor(s). All the Chapters should be ready and properly arranged, Figures & Tables are properly numbered, and standard referencing guidelines as per APA,IEEE, MLA & other relevant format should be followed. Kindly make sure that there are no typographical, referencing and formatting errors.
7. Submit eight copies of summary of research work in soft binding including bibliography, two copies of the draft thesis, copy of the research publications related to the thesis and one CD containing draft thesis at least two weeks in advance.
8. Request a mutually convenient date for pre thesis submission presentation in consultation with CRAC Chairperson of the concerned College/Department/Centre.
9. Prepare a presentation on the draft thesis of approximately 45 to 60 minutes using Power Point slides. The presentation must cover the following:
  - Objectives and scope of the study
  - Literature review (briefly 3-5 slides only)
  - Identification of the research gap (s) based on literature review
  - Problem formulation
  - Research methodology
  - Experimentation/Survey
  - Data collection, analysis, and interpretation
  - General conclusions
  - Specific conclusions/contributions of the research
  - Contribution of the research to society
  - Further scope of research
10. If you'll need any special arrangement/equipment for the presentation, inform the college/department/centre well in advance.



11. Note the corrections/suggestions made during and after the pre thesis submission presentation for necessary action.
12. Collect the necessary proforma and the procedure for thesis submission.
13. The thesis should be submitted within three months of the date of Pre Thesis Submission Presentation incorporating the suggestions and observations made by the CRAC.





**TEERTHANKER MAHAVEER UNIVERSITY**  
(Established under Govt. of U. P. Act No. 30, 2008)  
NH-24, DELHI ROAD, MORADABAD – 244001 (U.P.)

**REPORT OF CRAC ON PRE THESIS SUBMISSION PRESENTATION**

- 1 Name of Research Scholar : \_\_\_\_\_
- 2 Enrollment No. : \_\_\_\_\_
- 3 Date of Registration : \_\_\_\_\_
- 4 Faculty : \_\_\_\_\_
- 5 Approved Title of Thesis (BLOCK LETTERS) : \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- 6 Date of Pre Thesis Submission Presentation : \_\_\_\_\_

7. Comment on the quality of the content i.e. research work done by the scholar and its presentation.

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8. Observation on the candidate’s progress of research work to date and his/her work plan for completing the research work.

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9. Remarks on the sampling design, data collection methods, data processing techniques, analytical tools applied, etc.?

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10. Any other observation(s):

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**SUGGESTIONS OF CRAC (to be communicated to the scholar):**

[Please provide details of any required actions, timelines and other tasks in order to address any concerns identified during the review]. Please use additional sheet(s), if required.

The following areas need to be addressed by the candidate in consultation with the supervisor(s):

i. Objectives and scope of the study:

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ii. Literature review:

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iii. Research gap(s) identification and statement:

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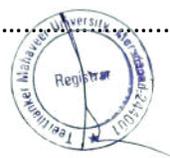
iv. Problem formulation:

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v. Research methodology:

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vi. Experimentation/Survey:



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.....  
vii. Data collection, analysis, and interpretation:

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.....  
viii. General conclusions:

.....  
.....  
ix. Specific conclusions/contributions of the research:

.....  
.....  
x. Contribution of the research to society:

.....  
.....  
xi. Further scope of research:

**RECOMMENDATION OF CRAC:**

On the basis of evaluation of the written summary of research work and the presentation by research scholar, it is recommended that the research work, *after incorporating the above suggestions and observations*, may be:

**a. accepted for submission of thesis**

OR

**b. accepted for submission of thesis with minor changes**

OR

**c. cannot be accepted at all and the candidate needs to do substantially more research work**

This is also certified that the research work done by the candidate is his/her original work to the best of the knowledge of CRAC.



Signature of Research Coordinator \_\_\_\_\_

Name \_\_\_\_\_

College/Department/ Centre \_\_\_\_\_

Date: \_\_\_\_\_





# TEERTHANKER MAHAVEER UNIVERSITY

(Established under Govt. of U. P. Act No. 30, 2008)

NH-24, DELHI ROAD, MORADABAD – 244001 (U.P.)

## THESIS SUBMISSION FORM

*[To be filled in by the candidate and submitted along with No Dues Certificate, Copyright Certificate (if applicable)]*

- 1 Name of Research Scholar : \_\_\_\_\_
- 2 Enrollment No. : \_\_\_\_\_
- 3 Date of Registration : \_\_\_\_\_
- 4 Date of Pre Thesis Submission  
Presentation : \_\_\_\_\_
- 5 Date of Thesis Submission : \_\_\_\_\_
- 6 Faculty : \_\_\_\_\_
- 7 College/Department/Centre : \_\_\_\_\_
- 8 Approved title of thesis : \_\_\_\_\_  
(BLOCK LETTERS) \_\_\_\_\_  
\_\_\_\_\_
- 9 Any IPR involved in the thesis  
(If yes, please submit a copyright  
certificate separately) : \_\_\_\_\_

Certified that I have completed all the coursework requirements, publication of papers, and complied with all the recommendations and observations of CRAC and my research supervisor(s). I have incorporated all the suggestions and observations of CRAC made during and after my Pre Thesis Submission Presentation. Also, I have paid all my dues till date and nothing is outstanding against me.

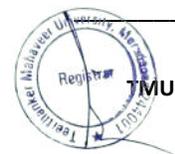
Date: \_\_\_\_\_

Signature of Candidate: \_\_\_\_\_

### RESEARCH WORK COMPLETION CERTIFICATE

*(To be certified by the CRAC Chairperson of the concerned College/Department/Centre)*

This is to certify that the candidate named \_\_\_\_\_ above is a registered research scholar at the College/Department/Centre \_\_\_\_\_ of Teerthanker Mahaveer University. He/She has already completed the prescribed course work, published research papers to the satisfaction of CRAC, and presented his/her pre thesis submission presentation on (date) \_\_\_\_\_ in accordance with the provisions of PhD ordinance of the University, under



the supervision of Dr. \_\_\_\_\_ and co-supervision of Dr. \_\_\_\_\_.

His/her research work has been accepted by the College/Department/Centre for submission of thesis and the same is now forwarded to the University for External Evaluation.

Signature with seal \_\_\_\_\_  
(CRAC Chairperson)

Date: \_\_\_\_\_

College/Department/ Centre \_\_\_\_\_





## TEERTHANKER MAHAVEER UNIVERSITY

(Established under Govt. of U. P. Act No. 30, 2008)

NH 24, DELHI ROAD, MORADABAD – 244001 (U.P.)

Ref. No. \_\_\_\_\_

Date : \_\_\_\_\_

To

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### Subject: Evaluation of PhD Thesis

Dear Prof./Dr. \_\_\_\_\_,

This is to acknowledge with thanks, the receipt of your letter no. \_\_\_\_\_  
 dated \_\_\_\_\_ conveying your willingness to act as External Examiner to evaluate the thesis entitled:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

submitted by \_\_\_\_\_, one of our research scholars for the award of degree of Doctor of Philosophy (Ph.D.) in the Faculty/Discipline of \_\_\_\_\_.

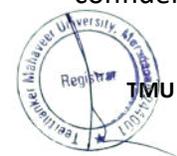
A copy of thesis alongwith a copy of the relevant 'Regulations' for the award of the degree of Doctor of Philosophy in the Faculty/ Discipline of \_\_\_\_\_ are enclosed herewith for your guidance in evaluating the thesis.

Your 'Evaluation Report' in the attached proforma may kindly be sent by Registered/Speed Post cover marked 'PRIVATE & CONFIDENTIAL' and the evaluated copy of thesis be returned separately under Registered Parcel/Registered Book-Post Parcel, both addressed to me.

It is requested that the report in the Proforma enclosed, may kindly be sent to me within three months of the receipt of thesis by you.

In your report, apart from other observations that you would like to make about the thesis of the candidate, kindly make a specific mention of any one of the recommendation mentioned in the Proforma:

I may bring to your kind notice that neither any correspondence, whatsoever, about the evaluation of the thesis is to be made with any Faculty Member/Non-Teaching Staff or Chairperson of the College/Department of this University nor a copy of the thesis evaluation report is to be shared with any of them as the matter is strictly confidential. Moreover, any correspondence between the candidate or his/her supervisor and the examiner(s) is



also not permissible under any circumstances as per our University rules/regulations. In case you need any clarification on any point in the thesis, I may please be contacted.

The payment of remuneration for the evaluation of Ph.D. thesis will be made by the university on its own after receipt of your report. The accompanying 'Bill of Remuneration for Thesis Evaluation' may kindly be filled in and sent to me in a separate sealed cover.

Kindly do acknowledge the receipt of this letter and the thesis. Please keep me informed about any change in your contact details for all future correspondence/reference.

We thank you once again for your cooperation in strengthening the research base of the university.

Yours faithfully,

**CONTROLLER OF EXAMINATION**

**Enclosures:**

1. PhD Thesis entitled  
"....."  
....."  
.....".
2. PhD Thesis Evaluation Report Proforma
3. Relevant part of PhD Ordinance of the university describing 'Regulations for the award of the degree of Doctor of Philosophy'.
4. Bill of Remuneration for Thesis Evaluation





Accredited with NAAC **A** Grade  
12-B Status from UGC

# TEERTHANKER MAHAVEER UNIVERSITY

(Established under Govt. of U.P. Act No. 30, 2008)

Delhi Road, Moradabad- 244001

## REMUNERATION BILL FOR Ph.D. THESIS EVALUATION

Session \_\_\_\_\_ Year/Sem. \_\_\_\_\_

- Name/Designation of Examiner** \_\_\_\_\_  
University/College \_\_\_\_\_  
Mobile No. \_\_\_\_\_ E-Mail \_\_\_\_\_  
PAN No. \_\_\_\_\_ Bank Account No. \_\_\_\_\_  
FSC Code. \_\_\_\_\_ Bank Name & Address \_\_\_\_\_
- Basic Pay \_\_\_\_\_ Scale of Pay \_\_\_\_\_ Total Emoluments Rs. \_\_\_\_\_

### 3. Evaluation

Ph.D. Scholar's Details	Title of Thesis	Amount(Rs.)
Name		
Registration No.		
College/ Dept./ Centre		
Total Remuneration		
Less T.D.S. 10%		
Total Amount		

Grand Total Rs. = TA + Remuneration (.....+.....) = .....  
(In words) \_\_\_\_\_

### Certificate



1. I had charged actual fare which I paid.
2. My vehicle/ Tax number is \_\_\_\_\_.
3. I undertake the responsibility to deposit the income tax on remuneration amount if applicable on my income as per rules of income tax.

**Verified By**

**Received payment by cash/cheque**

**Signature of  
Director/Principal/HOD**

**Signature of Claimant**

---

Kindly, sanction & order to pay.

***Sanctioned, Pay Rs.***

**Bill Checked By (Controller of Examinations)**

**(Vice-Chancellor)**





# TEERTHANKER MAHAVEER UNIVERSITY

(Established under Govt. of U.P. Act No. 30, 2008)

Delhi Road, Moradabad- 244001

## T.A. & REMUNERATION BILL FOR Ph.D. THESIS SUPERVISION/ VIVA VOCE

Session \_\_\_\_\_ Year/Sem. \_\_\_\_\_

- Name/Designation of Examiner** \_\_\_\_\_  
 University/College \_\_\_\_\_  
 Mobile No. \_\_\_\_\_ E-Mail \_\_\_\_\_  
 PANNo. \_\_\_\_\_ Bank Account No. \_\_\_\_\_  
 IFSC Code. \_\_\_\_\_ Bank Name & Address \_\_\_\_\_
- Basic Pay \_\_\_\_\_ Scale of Pay \_\_\_\_\_ Total Emoluments Rs. \_\_\_\_\_

### 3. T. A. Bill

Mode of Travel [**Train (AC3/ AC2)/ Bus/ Taxi/ Own Vehicle**]

Date	Starting Place	Arrival Place	Distance			Local Distance			Total
			Km.	Rate	Fare	Ext.	Int. T.	@4	
Arrival Date									
Departure Date									
Total Rs.									

Total Days of Stay: \_\_\_\_\_ Date from \_\_\_\_\_ to \_\_\_\_\_

### 4. Viva Voce/Supervision

Ph.D. Scholar's Details	Title of Thesis	Amount(Rs.)
Name		
Registration No.		
College/ Dept./ Centre		
Total Remuneration		
Less T.D.S. 10%		
Total Amount		

Grand Total Rs.= TA +Remuneration(.....+.....) = .....  
 (Inwords) \_\_\_\_\_

### Certificate



1. I had charged actual fare which I paid.
2. My vehicle/ Taxinumberis \_\_\_\_\_.
3. I undertake the responsibility to deposit the income tax on remuneration amount if applicable on my income as per rules of incometax.

**Verified By**  
**payment by cash/cheque**

**Received**

**Signature of**  
**Claimant**  
**Director/Principal/HOD**

**Signature of**

---

Kindly, sanction & order to pay.

***Sanctioned, Pay Rs.***

**Bill Checked By**                      **(Controller of Examinations)**

**(Vice-Chancellor)**





# TEERTHANKER MAHAVEER UNIVERSITY

(Established under Govt. of U. P. Act No. 30, 2008)

NH 24, DELHI ROAD, MORADABAD – 244001 (U.P.)

## REPORT OF THE ORAL DEFENCE COMMITTEE

(To be submitted to the Controller of Examination in a sealed cover)

The Oral Defence Committee (ODC), constituted by Teerthanker Mahaveer University for the evaluation \_\_\_\_\_ of \_\_\_\_\_ the \_\_\_\_\_ thesis entitled \_\_\_\_\_

\_\_\_\_\_ submitted by \_\_\_\_\_ Enrollment No. \_\_\_\_\_ to the University in partial fulfillment of the requirement of degree of Ph.D. in the Faculty of \_\_\_\_\_ at the College/Department of \_\_\_\_\_, has examined the candidate and found his/her performance satisfactory/unsatisfactory and hence the committee recommends that the *(please select only one of the below striking out others)*:

i. Degree of Ph.D. be awarded

OR

ii. Candidate be further examined on an another date

\_\_\_\_\_  
(Please specify the date and manner)

OR

iii. Degree of Ph.D. be not awarded

*Suggestions of the ODC (if any):*

Supervisor

Name.....

Date:.....

Co-supervisor

Name.....

Date:.....



**External Examiner**

**Name.....**

**Date:.....**

**CRAC Chairperson**

**Name.....**

**Date:.....**





## TEERTHANKER MAHAVEER UNIVERSITY

(Established under Govt. of U. P. Act No. 30, 2008)

NH-24, DELHI ROAD, MORADABAD – 244001 (U.P.)

### FINAL THESIS SUBMISSION FORM

[To be filled in by the candidate and submitted along with No Dues Certificate, Copyright Certificate (if applicable)]

- 1 Name of Research Scholar : .....
- 2 Enrollment No. : .....
- 3 Date of Registration : .....
- 4 Faculty/Discipline : .....
- 5 College/Department/Centre : .....
- 6 Approved Title of Thesis : .....  
(BLOCK LETTERS) .....
- 7 Any IPR involved in the : .....  
thesis (If yes, please submit a  
copyright certificate separately)

Certified that I have incorporated all the corrections and modifications suggested by the **External Examiners**; suggestions and observations given by the **Oral Defence Committee** and the **Research Degree Committee**.

Date: \_\_\_\_\_

Signature of candidate: \_\_\_\_\_

#### ENDORSEMENT BY THE RESEARCH SUPERVISOR(S):

This is to certify that Mr./Ms. .... has incorporated all the suggestions and observations in his/her thesis and the final thesis is recommended hereby for submission to Teerthanker Mahaveer University.

**Signature of the Supervisor**

Name .....

Address.....

.....

Date: \_\_\_\_\_

**Signature of the Co-Supervisor**

Name .....

Address.....

.....

Date: \_\_\_\_\_

#### FORWARDING TO 'COE' BY THE COLLEGE/DEPARTMENT/CENTRE

Certified that Mr./Ms. .... has incorporated all the corrections and modifications made by the External Thesis Examiners; suggestions and observations given by the Oral Defence Committee and the Research Degree Committee, to the



satisfaction of the CRAC. As such, the thesis is recommended for final submission for the award of PhD degree at the next convocation.

**Signature of CRAC Chairperson (with seal)** \_\_\_\_\_

**Name** \_\_\_\_\_

**Date:** \_\_\_\_\_

**College/Department/**

**Centre** \_\_\_\_\_



**Format for Ph.D. File Submission**  
**(For Evaluation of Thesis)**  
**[AS PER NEW SOP Clause 40, DATED 29<sup>TH</sup> JULY 2020]**  
**PART-A – ALL DOCUMENTS WITH THE COLLEGE CONCERNED**

Sl. No.	Particulars	Status (Yes/ No.)	Page No.
<b>1</b>	a) Application form		
	b) High School Marksheet (Self attested)		
	c) High School Certificate (Self attested)		
	d) Intermediate Marksheet (Self attested)		
	e) Intermediate Certificate (Self attested)		
	f) UG Marksheets (All) (Self attested)		
	g) UG Degree (Self attested)		
	h) PG Marksheets (All) (Self attested)		
	i) PG Degree (Self attested)		
	j) Other Degree/ Certificate* ( If Applicable) (Self attested)		
	k) Allotment of Supervisor (CRAC Minutes)		
	l) In case of an external Co Supervisor		
	i) Approval of Co-supervisor		
	m) Copy of TRAT Result		
	n) No Objection Certificate from Employer (if applicable) Research Proposal/Synopsis (Signed with date) Registration Letter: date.....		
<b>2</b>	Coursework Results Copy (Course Work Examination)		
<b>3</b>	All Faculty (Except Nursing & Agriculture)	a) Research Methodology	
		b) Quantitative Methods and Computer Applications	
		c) Research and Publication Ethics	
		d) Review of literature	
		e) Discipline Specific Courses/MOOC	
		f) Additional course (if any), in case of Interdisciplinary research	
<b>3.1</b>	For Nursing	a) Research Methodology & Applied Statistics	
		b) Nursing Science & Theory Development including Nursing Leadership	
		c) Research and Publication Ethics	
		d) Viva-Voce (Proposal Defence)	
		e) A seminar based on a Literature Review/Term paper in the area of research (Internal assessment)	
<b>3.2</b>	For Agriculture	a) Research Methodology	
		b) Quantitative Methods and Computer Applications	
		c) Research and Publication Ethics	
		d) Seminar on Review of Literature	
		e) Discipline Specific Courses	
		f) Interdisciplinary Courses	
		g) Seminars	
		h) Thesis Research	



4	a) CRAC minutes for assigning for 2 credits		
	b) CRAC minutes for assigning credits for interdisciplinary papers (if applicable)		
5	Semester Progress Report (All SPR Approved by CRAC)		
	i) Report CRAC meeting: date .....		
	ii) Report CRAC meeting: date .....		
	iii) Report CRAC meeting: date .....		
	iv) Report CRAC meeting: date .....		
	v) Report CRAC meeting: date .....		
	vi) Report CRAC meeting: date .....		
	vii) Report CRAC meeting: date .....		
	viii) Report CRAC meeting: date .....		
	ix) Report CRAC meeting: date .....		
	x) Report CRAC meeting: date .....		
	xi) Report CRAC meeting: date .....		
xii) Report CRAC meeting: date .....			
6	CRAC Minutes of the Approval of Research Topic		
7	Research papers published (Approved by CRAC): Date..... Title..... ..... Journal..... Year, Volume & Issue .....		
	7.1 Date..... Title..... ..... Journal..... Year, Volume & Issue .....		
	8 Plagiarism check report by college dated..... (.....%)		
	9 Application Form for pre-thesis submission presentation dated.....		
10	Report of CRAC on the request for pre-thesis submission presentation form dated.....		
11	Approval of CRAC Chairperson for the application for pre-thesis submission presentation form dated.....		
12	Pre thesis submission notice: dated .....		
13	Report of CRAC on pre-thesis submission presentation form dated...		
14	Minutes of CRAC (For pre-thesis presentation): date.....		
15	Thesis Submission form: date.....		
16	No Dues Certificate: date.....		
17	Time Extension approval(s) by Hon'ble Vice Chancellor (if applicable)		
18	Change of Supervisor approval by Hon'ble Vice Chancellor (If applicable)		

This is to certify that all above documents have been checked and are in order as per the prevailing PhD Ordinance of the University including the verification of signature on all documents and forwarded to Controller of Examinations for further action.



**CRAC- Coordinator**  
College of .....  
Date.....

This is to certify that all above documents have been checked by me including the verification of signatures of the candidate, supervisor(s), CRAC members on all documents including recommendation for evaluation for examination of the Ph.D. thesis of the research scholar. The submission form and thesis (hard and soft copy) is sent to Controller of Examinations for further action. Complete file in original is maintained in this office for records at any given time in future having a total of ..... pages.

**CRAC- Chairperson**  
**Date.....**





**Check List for Ph.D. File Submission**  
**(For Evaluation of Thesis)**  
**[AS PER NEW SOP Clause 40, DATED 29<sup>TH</sup> JULY 2020]**  
**PART-A – ALL DOCUMENTS WITH THE COLLEGE CONCERNED**

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<b>1</b>	a) Application form		
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	f) UG Marksheets (All) (Self attested)		
	g) UG Degree (Self attested)		
	h) PG Marksheets (All) (Self attested)		
	i) PG Degree (Self attested)		
	j) Other Degree/ Certificate* ( If Applicable) (Self attested)		
	k) Allotment of Supervisor (CRAC Minutes)		
	l) In case of external Co-Supervisor		
	i) Approval of Co-supervisor		
	m) Copy of TRAT Result		
	n) No Objection Certificate from Employer (if applicable)		
Research Proposal/Synopsis (Signed with date)			
Registration Letter: date.....			
<b>2</b>	Coursework Results Copy (Course Work Examination)		
<b>3</b>	All Faculty (Except Nursing & Agriculture)	a) Research Methodology	
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		c) Research and Publication Ethics	
		d) Viva-Voce (Proposal Defence)	
		e) A seminar based on a Literature Review/Term paper in the area of research (Internal assessment)	
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		b) Quantitative Methods and Computer Applications	
		c) Research and Publication Ethics	
		d) Seminar on Review of Literature	
		e) Discipline Specific Courses	
		f) Interdisciplinary Courses	
		g) Seminars	
		h) Thesis Research	



4	a) CRAC minutes for assigning for 2 credits		
	b) CRAC minutes for assigning 4 credits for interdisciplinary papers (if applicable)		
5	Semester Progress Report (All SPR Approved by CRAC)		
	i) Report CRAC meeting: date .....		
	ii) Report CRAC meeting: date .....		
	iii) Report CRAC meeting: date .....		
	iv) Report CRAC meeting: date .....		
	v) Report CRAC meeting: date .....		
	vi) Report CRAC meeting: date .....		
	vii) Report CRAC meeting: date .....		
	viii) Report CRAC meeting: date .....		
	ix) Report CRAC meeting: date .....		
	x) Report CRAC meeting: date .....		
	xi) Report CRAC meeting: date .....		
xii) Report CRAC meeting: date .....			
6	CRAC Minutes of the Approval of Research Topic		
7	Research papers published (Approved by CRAC): Date..... Title..... ..... Journal..... Year, Volume & Issue .....		
	7.1 Date..... Title..... ..... Journal..... Year, Volume & Issue .....		
	8 Plagiarism check report by college dated..... (.....%)		
	9 Application Form for pre-thesis submission presentation dated.....		
10	Report of CRAC on the request for pre-thesis submission presentation form dated.....		
11	Approval of CRAC Chairperson for the application for pre-thesis submission presentation form dated.....		
12	Pre thesis submission notice: dated .....		
13	Report of CRAC on pre-thesis submission presentation form dated...		
14	Minutes of CRAC (For pre-thesis presentation): date.....		
15	Thesis Submission form: date.....		
16	No Dues Certificate: date.....		
17	Time Extension approval(s) by Hon'ble Vice Chancellor (if applicable)		
18	Change of Supervisor approval by Hon'ble Vice Chancellor (If applicable)		

This is to certify that all the above documents have been checked and are in order as per the prevailing PhD Ordinance of the University including the verification of signature on all documents and forwarded to Controller of Examinations for further action.



CRAC- Coordinator College of .....

Date.....

This is to certify that all the above documents have been checked by me including the verification of signatures of the candidate, supervisor(s), CRAC members on all documents including recommendation for evaluation for examination of the Ph.D. thesis of the research scholar. The submission form and thesis (hard and soft copy) are sent to the Controller of Examinations for further action. Complete file in original is maintained in this office for records at any given time in future having a total of ..... pages.

**CRAC- Chairperson**  
**Date.....**



**PART-B – DOCUMENTS IN ORIGINAL TO BE MAINTAINED IN THE OFFICE OF THE CONTROLLER OF EXAMINATION**

Sl. No.	Particulars	Status (Yes/ No.)	Page No.
1	Summary of thesis (05 Copies): date.....		
2	Thesis (05 Copies)		
3	Soft Copy of Thesis & Summary (Combined Single File-PDF & Word)		
4	Panel of Examiners (Signed by Supervisor(s) & CRAC head)		
5	Cross check of plagiarism report by Examination Division Check ID..... dated..... Similarity %.....		
6	Approval of external examiners for thesis evaluation		
7	Thesis sent to examiners for evaluation: date.....		
8 a	Thesis evaluation report 1 received: date.....		
8 b	Thesis evaluation report 2 received: date.....		
8 c	Thesis evaluation report 3 if applicable; received: date.....		
9	RDC meeting for discussion of thesis evaluation reports: date.....		
10	Approval of external examiners for conduct of ODC: date.....		
11	Letter from COE for conducting ODC:		
12	Report of ODC in Prescribed Performa: date.....		
13	Final Thesis Submission form: date.....		
13 a	Hard Copy of Thesis (3 copies) receipt date.....		
13 b	Soft copy of Thesis for Shodhganga receipt dated.....		
14	RDC meeting for ODC report: date.....		
15	Letter of Award Ph.D. Degree issued by COE: date.....		

This is to certify that all the above documents 1 to 15 are maintained in the Examination Division

**(Examination Division)**  
Date.....

This is to certify that all the above documents have been verified at my end before issue of the Letter of Award of Ph. D.

**Controller of Examinations**  
Date.....

**Note:**

1. In case of shortcomings in Sl. No 1,2,3,4, 12 and 13 the same will be returned to the concerned College with reasons within 2 working days of receipt and resolved by the concerned college within 2 working days.
2. In case of a difference in plagiarism report of the College and the Examination division the same shall be put up to the Vice Chancellor for a decision on the same.

