

Regulations for
Ph.D Program
In the Faculties of
Medical, Dental, Pharmacy
and
Allied Health Sciences



NITTE UNIVERSITY

(Declared as Deemed to be University under section 3 of UGC Act 1956)

University Enclave, Medical Sciences Complex; Deralakatte

Mangalore-575 018, Karnataka, India.

Ph: +91-0824-2204300/ 01/02/03

Fax: +91-0824-2204305

Email: reg@nitte.ac.in Website: www.nitteuniversity.ac.in

Contents

Page No.

1. Preamble
2. Eligibility for Admission
3. Recognition of Institution as a centre for Ph.D Studies
4. Ph.D Recognition Committee
5. Research Guide
6. Duration of Study
7. Procedure for selection
8. Enrollment for Ph.D course
9. Procedure for Provisional Registration
10. Pre-Ph.D Examination
11. Confirmation of Provisional Registration
12. Cancellation of Registration
13. Change of Title or Field of Research
14. Submission of Half Yearly Progress Report
15. Submission of Final Synopsis
16. Publication of Research Papers
17. Submission of Ph.D Thesis
18. Adjudication of Ph.D Thesis
19. Viva-Voce Examination
20. Announcement Results
21. Award of Ph.D Degree

NITTE UNIVERSITY

(Declared as Deemed to be University under Section (3) of UGC Act, 1956)

Regulations for Ph.D Courses

1. Preamble:

Nitte University is committed to promote research activities, both in basic and applied aspects in various subjects under four different faculties of constituent institutions of this University. Research in Health Sciences is also a part of program in A.B. Shetty Memorial Institute of Dental Sciences, K.S. Hegde Medical Academy and Nitte Gulabi Shetty Memorial Institute of Pharmaceutical Sciences. It's now appropriate to promote studies leading to Ph.D degree.

Admission to Ph.D program will be made under the following faculties, covering a wide spectrum of disciplines.

Candidates shall also be permitted to register for inter-disciplinary health programs.

[1] MEDICAL FACULTY

(a) Pre-Clinical

- (i) Anatomy
- (ii) Physiology
- (iii) Biochemistry

(b) Para-Clinical

- (i) Pharmacology
- (ii) Pathology
- (iii) Microbiology
- (iv) Forensic Medicine
- (v) Community Medicine

(c) Clinical

Medicine and Allied Subjects

- (i) Medicine
- (ii) Paediatrics
- (iii) Pulmonary Medicine
- (iv) Dermatology
- (v) Psychiatry

Surgery and Allied Subjects

- (i) Surgery
- (ii) Orthopaedics
- (iii) ENT & Head & Neck (HNS)
- (iv) Ophthalmology

Obstetrics & Gynaecology, Anaesthesiology and Radiology

- i) Obstetrics & Gynaecology
- ii) Anaesthesiology
- iii) Radiology

Superspecialities

- I) Cardiovascular and Thoracic Surgery
- ii) Urology
- ii) Plastic Surgery
- iv) Cardiology
- v) Neurology
- vi) Neurosurgery
- vii) Paediatric Surgery
- viii) Nephrology

[2] DENTAL FACULTY

(a) Pre-Clinical

- (i) Dental Anatomy & Oral Histology
- (ii) Dental Material

(b) Clinical

- (i) Prosthodontics
- (ii) Orthodontics
- (iii) Periodontics
- (iv) Oral Surgery
- (v) Pedodontics
- (vi) Oral Diagnosis and Radiology
- (vii) Conservative Dentistry
- (viii) Community Dentistry

(ix) Oral Pathology and Microbiology

(3) Faculty of Pharmacy

Pharmaceutical Science:

(Pharmaceutics, Pharmaceutical Chemistry, Pharmacognosy, Pharmacology, Hospital Pharmacy, Clinical Pharmacy).

(4) Faculty of Allied Health Sciences

A. Nursing

B. Physiotherapy

C. Hospital Administration

D. Public Health

E. Pre & Para Clinical Subjects (If eligibility criteria is not fulfilled under medical faculty)

2. Eligibility for Admissions

The candidates with the following qualifications are also eligible for enrollment for Ph.D Program in this University.

A. MEDICAL

- a) In case of Clinical subjects candidates possessing MD, MS, DM, M.Ch or any equivalent PG degree after MBBS recognized by Nitte University are eligible.
- b) In case of Pre-Clinical and Para-Clinical subjects, in addition to candidates possessing MD or MS after MBBS degree, non-Medical candidates with M.Sc in Anatomy / Physiology / Biochemistry / Microbiology / Pharmacology under Medical faculty **as recognized by MCI** are also eligible.
- c) In case of Oncology, candidates who have obtained the following Master's Degrees from the Universities recognized in India are eligible to register for Ph.D course in their respective subjects, provided they have obtained a minimum of 50% marks in the concerned subject:
 1. M.Sc in Zoology
 2. M.Sc in Physics
 3. M.Sc in Nuclear Physics
 4. M.Sc in Medical Physics
 5. M.Sc in Radiation Physics

6. M.Sc in Medical Microbiology
7. M.Sc in Biotechnology
8. M.Sc in Medical/Clinical Biochemistry

Note: These Ph.D degree holders, however, shall confine themselves only to provide research inputs and perform investigative procedures. They are not permitted to treat patients.

B. DENTAL

Candidates with MDS degree awarded by a recognized College/University/DCI or a PG Dental degree considered as equivalent by Nitte University are eligible for enrollment/registration for Ph.D program in Faculty of Dentistry of this University.

C. PHARMACY

Candidates with M.Pharm degree awarded by a recognized College/University or a PG degree in Pharmacy considered as equivalent by Nitte University are eligible for enrollment/registration for Ph.D program in Pharmacy.

D. NURSING

Candidates with M.Sc Nursing degree awarded by a recognized College/University approved by INC or a PG degree in Nursing considered as equivalent by Nitte University are eligible for enrollment/registration for Ph.D course in Nursing (Allied Health Science Faculty).

E. PHYSIOTHERAPY

Candidates with Masters Degree in Physiotherapy awarded by a recognized College/University considered as equivalent by Nitte University are eligible for enrollment/registration for Ph.D course in Physiotherapy(Allied Health Science Faculty).

F. BASIC SCIENCES

Candidates with Masters Degree in Basic Sciences awarded by a recognized College/University considered as equivalent by Nitte University are eligible for enrollment/registration for Ph.D course in Allied Health Sciences.

- NOTE:** 1) Teacher candidates who are in a regular service and are working in Constituent Colleges or other Institutions of similar standard, provided they fulfill the conditions stipulated at A-D above are eligible.
- 2) The candidate with UGC-NET/SLET/CSIR or ICMR Fellowship examination with necessary qualification for the concerned discipline is eligible.

- 3) Persons working in an Industry, Public Sector Organisations, Government Departments, State Institutes, Institutes of repute engaged in research work, provided they fulfill the qualifications stipulated at A-D above are eligible.
- 4) Candidates mentioned under Note 1 to 3 above may be allowed to do **part-time research**.

3. Recognition of Institution as Centers for Ph.D Studies

A candidate shall be permitted to pursue research activities for the degree of Doctor of Philosophy (Ph.D) in any one of the Post Graduate Departments of constituent colleges or other institutions which are recognized as having necessary infrastructure and facilities for carrying out research in the subject of study concerned, provided that the department has a qualified Guide. The college should have been approved by this University as a recognized Ph.D center. During the study leading to the award of Ph.D degree, a candidate shall be permitted to conduct part of his research / utilize the facilities available in any other institution duly recognized by this University.

Any institution seeking recognition for Ph.D programs:

- i) Should be a center of academic excellence and repute.
- ii) Should have been actively functioning and should have been in existence for at least 5 years.
- (iii) Should be a centre of research activity as evidenced by ongoing research projects funded/ sponsored by reputed agencies
- (iv) Should have well qualified faculty who have published research papers in the peer reviewed scientific journals or indexed journals. The Department which proposes to start the Ph.D programme in the institution should have at least staff members with required PG/Ph.D qualification in the concerned specialty and a total of 10 years teaching / research experience out of which 5 years should be as PG teachers.
- (v) Should have specifically equipped research labs with the requisite infrastructure and facilities for the proposed Ph.D programme.

4. Ph.D Recognition Committee (Doctoral Committee)

The Ph.D Recognition Committee will consist of (i) The Vice-Chancellor –Chairman (ii) The Deans of the faculties of the University, (iii) the Chairperson of Board of Studies, (iv) Two senior subject expert, preferably the Ph.D guide, for each subject within the University nominated by the Vice-Chancellor (v) One subject expert, (preferably a Ph.D guide) for each subject from outside the University and (vi) Dean R&D . The term of the committee is for 2 years.

The Ph.D Recognition Committee will scrutinize the applications and also the preliminary synopsis submitted by the candidate after having satisfied about his/her eligibility requirement and will recommend for the Provisional Registration to the University.

This committee will meet periodically to review the half yearly progress reports of the research work submitted by the candidates and recommend suitable suggestions/modifications if any until the candidate is granted confirmation of Registration and permission to submit the final synopsis and thesis to the University.

The Committee will also scrutinize all the applications from the eligible teachers/scientists for recognition as Ph.D Guides and will recommend the eligible names to the University.

The committee is also empowered to make recommendation to V.C in all academic matters pertaining to Ph.D programs such as change of title, change of Guide, No. of Ph.D students with a guide, duration for submission of thesis, etc.

5. Research Guide

With a view to promote research and improvement in qualifications amongst members of the faculty in house or outside institution, Nitte University thought of introducing Ph.D programme from the year 2009-10. Keeping in mind the UGC guidelines, it is necessary to identify the qualified personnel for guiding researchers in the various constituent colleges of the university. The growing interest in carrying out integrated research in different areas of study makes it necessary to have a larger panel of guide. The following criteria would be adopted in determining a members of faculty as qualified guides.

1. Faculty with 9 years of teaching experience after PG qualification (MD/MS/MDS) in Medical and Dental disciplines
2. Faculty with 5 years of teaching/Research after obtaining Ph.D in any discipline
3. Faculty with 3 years of teaching / research after obtaining Ph.D with 2 publications in international journals(indexed) in any discipline.

All full time and permanent faculty members of the **Post Graduate Departments** of the University with a Ph.D/PG Degree are eligible to become the Ph.D Guides, provided they fulfill the conditions stipulated as above and the Ph.D Recognition Committee approves. Besides,

- a) Teachers/Scientists eligible to guide may apply to the University in the prescribed format.
- b) The maximum number of candidates a guide can supervise shall not exceed four at any given time. A guide can register one full time and one part time or two full time candidates per year, but not exceeding four candidates in all at a given point of time. However, in the case of subjects where experimental or

clinical work is not involved, the number may be relaxed to six if Ph.D Recognition Committee approves. Whenever the number of candidates registered under a Guide has reached the maximum, another Ph.D candidate can register with him/her only after the submission of the thesis by any one of the Ph.D candidates already registered under him/her.

- c) Guides working in constituent college or an institution other than the affiliated to this University shall satisfy their requirements laid down and to the satisfaction of the Ph.D Recognition Committee regarding their expertise of and facilities available in the institution for carrying out the proposed research work.
- d) In case the study leading to Ph.D degree is of interdisciplinary nature, the candidate may have a Co-Guide duly recognized by the University in addition to the Guide from the concerned specialty. Eligibility criteria to become a Co-Guide is similar to that of a Guide except that he/she could be either from the same specialty or different specialty related to the topic of the candidate or from different institution duly recognized by the University.
- e) **Change of Guide:**
Change of Guide may be allowed within a period of less than two years of receiving guidance with the permission of the earlier Guide, recommendation from the Ph.D Recognition committee and approval from the University. The conditions under which change of guide is allowed are:
 - i) The Guide has gone abroad or left the University / Institution.
 - ii) When there is death or illness of the Guide.

In such cases of extraordinary circumstances, warranting change of Guide, the Guide/student through the Head of the Institution should place the facts before the University.

Further the upper age limit in respect of faculty identified as guides will be 62 years in the case of Medical and Allied Health Sciences Faculty and 67 years in the case of Dental/ Pharmacy faculty in keeping with statutory requirements.

6. Duration of Study

A candidate can register for Ph.D course either as a full time or as a part time research scholar.

- i) The maximum duration of the Ph.D programme for a full time student will be 6 years, counted from the date of provisional registration to the date of submission of thesis. For full time candidates the maximum period for completing the course requirement including pre-Ph.D Examination is 2 years. A full time Ph.D student is the one who on deputation from another Institution and/or is being supported by himself with/without a fellowship/scholarship, pursues the research work only, leading to Ph.D degree as a full time research worker on full time basis without performing any other job or assignment. Such students are required to confirm

their status as a full time research worker by a relevant certificate from their employer or funding agency duly endorsed by their Guide, Head of the Department and Institution to the effect that they are not assigned any other job except doing research leading to the Ph.D degree. The minimum duration of Ph.D course for the said full time Ph.D students shall be **three** years from the date of provisional registration. It can be two and a half years in exceptional cases.

However a Full time candidate should submit the thesis of his/her research work within a maximum period of **Six** Years from the date of the registration .

ii) A part time Ph.D student is the one who is already employed as a faculty member in the same or in a different Institution and pursues his research work leading to Ph.D degree as a part time research worker in the Ph.D study center recognized by the University in addition to performing other duties such as teaching, administration, laboratory work, examination work, etc., assigned to him/her. Such students are required to confirm their status by a relevant certificate from their employer duly endorsed by their Guide, Head of the Department and Institution to the effect that they are part time research students. Part time Ph.D facility may be extended to all Ph.D candidates registered in recognized Ph.D centers of this University irrespective of the distance between the working place of the Guide and the candidate, with a condition that they should spend minimum of 45 days per year with their respective Guides which should be certified by the Guide. **The minimum duration for such part time Ph.D students shall be four years from the date of provisional registration.** Part Time candidates shall complete the course requirements including pre-Ph.D exam is 3 years. Part Time candidates should complete research work and submit thesis to the University within **8** years from the date of provisional registration.

In the cases where the Ph.D guide and the part time Ph.D candidates work in same institutions, the candidate may be permitted to submit the thesis after three years of research work after their provisional registration, provided 6th half yearly progress shall be submitted to the university and accepted. A faculty member of the same institution, once registered, shall not leave the institution until thesis submission; and, in case leaves the Ph.D registration stands cancelled.

The period of study would be same for the Ph.D degree for both Basic, pre Clinical and Clinical Medical Sciences.

A Candidate can shift over from full time to part time and visa versa on approval from the Guide and Recognition committee depending on the merit of the case, provided he/she fulfills all the criteria laid down by the university and obtains prior permission from the Registrar(Evaluation) of the University.

- The candidates registered for the Ph.D programmes for full time basis shall be available in the Department throughout the programme and the Head of the Department shall maintain their attendance in the Department. The

candidates registered on part-time basis should be in regular contact with the concerned Supervisor.

- The candidates registered for the Ph.D programme (under Regular and Part-time scheme) should give a minimum of three (3) Seminars during the programme as follows:

I Seminar: The candidate shall give seminar within six months from the date of registration. The theme pertaining to the Seminar shall be on Purpose of Study, Design and Plan of research to be conducted.

II and III Seminars: It shall be held during the II year or before the submission of the thesis.

- The candidate should publish at least two research papers in a referred/cited/indexed journals or in International Conference Proceedings in the subject of his/her research before submission of the thesis.
- The Vice-Chancellor may, on the recommendation of the Supervisor and the Dean, permit a candidate to work elsewhere for more than six (6) months, if it is in the interest of his/her research work. In exceptional cases, his/her stay, outside the University may be extended for a further period of six (6) months with the permission of the Vice-Chancellor.
- The Head of the Department on the recommendation of the supervisor, may grant four (4) weeks leave to the candidate during a calendar year.
- A candidate for Ph.D programme shall submit to the Registrar (Eval) through the Supervisor and the Head of the Department, half yearly reports of the progress of research work in the given format.
- No candidate shall normally be allowed to submit the thesis in less than three (3) years (full time) and four (4) years (part time) from the date of registration.

7. Procedure for Selection

All applications received by the University on or before the stipulated time and date shall be placed before the Ph .D Recognition Committee of the respective faculty. The Committee shall then examine the applications and after satisfying itself about the eligibility requirements, conduct an Entrance Test and interview for the candidates. Every candidate shall make a presentation of proposed Ph.D work before the Ph.D Recognition Committee. The committee shall then recommend the names of the selected candidates to the Registrar for provisional registration within the stipulated time. The selected candidates as well as candidates not selected will be intimated by post separately by the University. In all matters relating to selection, the selection committee can regulate its own procedures and the decision of the University shall be final. The University will not provide any stipend or financial

assistance to the selected candidates. Provisional registration shall be effective from the date mentioned as the last date for payment of prescribed fees in the concerned specialty for the selected candidates. Fee once paid shall not be refunded.

The candidates registered for Ph .D course shall work in the University P.G. Departments or in any recognized laboratory, hospital, recognized for such purpose by the University.

No candidate shall, without the previous permission of the Ph.D Recognition committee join any other course of study or appear for any other examination conducted by the University or by any other University during the period of registration.

8. Enrolment for Ph.D Courses

Application for enrollment of Ph.D courses shall be invited every year in the months of April-May on dates to be notified by the University. A candidate may apply for admission to Ph.D to the Registrar, Nitte University in the prescribed application form obtainable from the University following newspaper/website notification on payment of the prescribed fee for application form. Every candidate shall chose a guide or guides as indicated hereunder. **Without the guide's consent, no application shall be considered for admission.**

- (i) An approved guide who is a faculty member of the Nitte Institutions in the subject concerned. **OR** (ii) An approved guide who is a faculty member of a College/Institution which is recognized as the Research Center by Nitte University. **OR** (iii) An external guide recognized by the Nitte University in the subject concerned. **OR** (iv) Two approved guides in case of inter-disciplinary research.

NOTE: In case of Inter-disciplinary research, one of the guides shall be from the subject in which registration is sought and the other from another discipline of research. There shall be no two Joint guides from the same department.

- Care-taker Supervisor shall be allotted to a Research Scholar in case the Original guide leaves for abroad. The tenure of Care-Taker guide shall be upto one (1) year. In case the original guide does not turn up within one (1) year, the Care Taker guide shall be the full-time guide.
- In any case, a candidate cannot work under a guide who is a relative.

Scrutiny and selection of candidates will take place by the end of month of July every year. Selected candidates will be granted provisional registration, for the Ph.D course commencing from August every year.

9. Procedure for Provisional Registration

A candidate applying for provisional registration shall submit the duly filled application form along with the relevant documents and shall qualify the Entrance Test within the stipulated period. The candidates shall furnish the following information:

- i) Qualifications and details of previous study and research and experience if any, (attested copies of the marks cards, degree/ PG degree certificates and reprints of publications, if any, to be furnished).
- ii) Broad field or interdisciplinary field in which candidate intends to do research, the subject of research being wholly or partly could be related to the main branch of the topic/subject chosen for writing dissertation during Post Graduation in which the candidate has qualified.
 - a. The Candidates shall choose the topic in the branch in which the Guide is specialized and recognized by the University
 - b. The Guide shall propose the name of the candidate for Ph.D registration keeping in mind the branch in which he or she has specialized.
- iii) Name and address of the recognized Guide/Co-Guide under whom the candidate proposes to carry out research (Attach a copy of order relating to the recognition of Guide/Co-Guide issued from the university).
- iv) Name of the Department and Institution where the candidate proposes to work and conduct research. (Attach a copy of letter issued by the University recognizing the Institution/Department for Ph.D studies if it is not a constituent college).
- v) Title(Tentative) and synopsis (~ 4 typed pages) of the proposed Research work.
- vi) The candidates shall forward the application along with the consent of the Guide and a No Objection Certificate from the head of the department and head of the institution while submitting the application.
- vii) In case of full time or part - time research, scholars in government or government approved institutions, the applications shall be forwarded through proper channel along with the consent of the concerned Head of the Department, Head of the Institution and the Director of Medical Education.
- viii) In case of part - time research scholars, the applications shall be forwarded through proper channel along with the consent of the concerned Head of the Department and the Head of the Institution.

10. Pre-Ph.D Examination

- Candidates admitted to Ph.D Programme shall have to appear for Pre-Ph.D examination.
- Pre-Ph.D examination shall be conducted after six months but within one year from the date of registration. There shall be a minimum of one Pre-Ph.D examination conducted during every academic year.
- The Registrar (Eval) shall conduct the Pre-Ph.D examination. The registration of such candidates, who do not pass the Pre-Ph.D examination in three attempts, from the date of registration, shall be cancelled.
- The Pre-Ph.D examination for all the Faculties shall consists of examination in two theory papers of three hours duration with 100 marks each, one common paper in the subject and other in specialization. The syllabi for the papers shall be suggested by the Supervisor and approved by the Dean of the concerned Faculty. The External Examiner shall set the common paper and special paper. Two independent Examiners, Internal and External, shall evaluate the papers. The average of the two awards will be taken into consideration. In case, the awards differ by more than 20%, the paper will be valued by the third external Examiner and the average of the nearest two will be counted, to the advantage of the student.
- Minimum pass marks in each paper shall be 50%. If the candidate fails in a paper, he/she has to appear only in that paper.

11. Confirmation of Provisional Registration

The provisional registration of a candidate for pursuing Ph.D course leading to the award of Ph.D degree shall be confirmed only when he/she completes the course work and passes the Pre-Ph.D examination conducted by the University.

12. Cancellation of Registration

The Registration of the candidates who fails to submit two subsequent half yearly progress reports with no valid reasons will be cancelled. However, if the Ph.D Recognition Committee recommends, the candidate can re-register for PhD course, on payment of the re-registration fee as fixed by the University.

13. Change of Title or Field of Research

A Ph.D candidate can change the title of his proposed thesis or field of research work on prior permission from the Ph.D Recognition Committee on payment of the prescribed fee to the University. The candidate has to submit a new proposal of proposed research to the Ph.D Recognition committee through the proper channel. If there is a major change in topic, the candidate has to take pre-Ph.D examination again.

14. Submission of Half Yearly Progress Reports

a) After provisional registration, every candidate shall submit the half yearly progress reports regularly in the prescribed format (3 copies) through the Guide to the Registrar of the University, Head of the Department concerned and Head of the Institution. The candidate is required to give at least THREE satisfactory half yearly progress assessment seminars on the topic of his research and have at least two papers published or accepted for publication, preferably in an indexed journal or at least in proceedings of an international conference. The assessment of seminars given by the candidate has to be evaluated by a committee consisting of the guide, HOD and an expert nominated by the Registrar(Eval) on a formal request from the guide to the Registrar(Eval). The half yearly progress report will be assessed by the Doctoral committee and their comments/observations will be communicated to the concerned candidate and Guide. Every such half yearly report shall be submitted.

b) All Ph.D candidates should submit the summary of each of the previous half yearly progress reports in order, along with the subsequent report submitted for approval. All Ph.D candidates should submit their half yearly progress reports in the prescribed format issued by the University.

c) All the Ph.D students should maintain a Logbook, duly signed by the Guide & Head of the department/Institution and should be made available at time of inspection and examination.

d) The Research project submitted by the candidates should have been cleared by the appropriately constituted Institutional Ethics Committee at college level before the submission of the 1st progress report by the candidates.

e) If two consecutive half yearly progress reports are not satisfactory, the Ph.D Recognition Committee may recommend to the University for Cancellation of the registration.

15. Submission of Final Synopsis

The Ph.D candidate should submit a synopsis containing the summary of the research work done to the Ph.D Recognition Committee before submission of thesis. All Ph.D candidates before submitting their final synopsis shall present his/her research work before the Ph .D Recognition Committee and subject experts on a suitable date fixed by the University and should get approval for writing the final synopsis and thesis.

16. Publication of Research Papers

All Ph.D candidates before submitting their Ph.D thesis to the University should have published a minimum of two research papers in any National or International indexed journals, Proceedings of International /National conferences. The candidates should be the first author.

17. Submission of Ph.D Thesis

Any candidate who has completed the minimum prescribed period of **three** or **four** years for full time and part time candidates, respectively, from the date of his/her provisional registration and not less than three months before the expiry of the maximum period prescribed for submission thesis, may submit an application along with **five copies of approved final synopsis of the thesis** through the Guide, the Head of the Department and Head of the Institution, to the Registrar(Eval). Registrar(Eval) shall proceed with the constitution of Board of Examiners for the adjudication of the Ph.D thesis and keep it ready pending the submission of the thesis.

Within 6 months of submission of the final synopsis, candidate shall submit with his / her application **four copies** of the thesis (also in the form of CD as well) embodying the details of the research carried out by him.

A candidate shall also submit along with his/her thesis

a) A certificate from the Guide/s under whom he/she worked to the effect that, that the thesis submitted is a bonafide record of research work done by the candidate during the period of study under him/her and that it has not previously formed the basis for the award of any degree /diploma, Associate ship / fellowship or any other similar award. If, however, the thesis submitted has formed in part the basis for the award of previous research degree, the candidate shall clearly set forth in a preface or written statement the portion(s) which have formed the basis for the award of the previous degree.

b) "No due certificates" from the Head of the Department and Head of the Institution where he/she has worked and also from the University Librarian and from the Affiliation section of the University.

c) Papers published by him/her if any embodying the results of investigation for the Ph.D Degree and also any other constitutions to the knowledge of his/her subject or any cognate branch of the subject.

d) A proper fee receipt (or DD in favour of Nitte University payable at Mangalore) showing that the prescribed fee has been paid.

e) Certificate from guide for completion of Course Requirement with necessary proof.

Under extraordinary circumstances affecting a student warranting extension of period for submission of thesis, the student should submit an application to the Registrar (Evaluation) through the Guide, who in turn will refer the same to the Ph.D Recognition Committee for its opinion, which will be submitted to the Vice-Chancellor. The decision of the Vice-Chancellor in the matter shall be final.

18. Adjudication of Ph.D Thesis

For the adjudication of Ph.D thesis, a Board of **three** Examiners shall be appointed by the Registrar (Eval) in consultation with the Vice Chancellor. The Guide of the candidate shall normally be the Chairman of the Board of the Examiners, who shall also act as coordinator and internal examiner. However, under extraordinary circumstances, the university may appoint a chairman other than Guide from the panel of Board of Examiners. The two external members of the Board of Examiners, will be chosen by the V.C from a panel of SIX examiners recommended by the Ph.D Recognition Committee in addition to the names suggested by the Guide, at least 6 months prior to the expected date of submission of the thesis. The panel shall include examiners who on the basis of their published work are acknowledged as eminent scientist in field of study undertaken by the candidate.

A copy of the final synopsis shall be sent to the external examiners. The University shall ascertain from the external examiners their willingness to act as an examiner for a particular thesis.

Each external examiner appointed as well as internal examiner to adjudicate the thesis shall send the report to the Registrar (Eval) within six weeks from the date of receipt of the thesis. Such reports should include:

1. A critical account of the work of the candidate as embodied in the thesis and an evaluation of the work in terms of its condition to the advancement of knowledge.
2. Questions to be asked or points to be clarified at the time of viva-voce examination should be sent in a sealed cover to the Registrar (Eval) of the University. These questions/comments should be made available to the candidate before the viva voce examination.
3. Definite recommendations have to be made by the examiners stating clearly whether:

- a) The research work of the candidate has advanced the existing knowledge in the subject and, therefore, the thesis can be accepted for the award of Ph.D degree in the present form.
- b) The thesis can be accepted for the award of Ph.D degree after minor correction/revisions as suggested. (Points on which revision is required has to be stated by the examiner/s).
- c) The thesis should be revised and resubmitted for evaluation. (Revision required should be stated clearly by the examiner).
- d) The research work has failed to achieve the desired standard and hence the thesis is rejected. (Precise reason for such rejection must be stated clearly by the examiner).

If any two of the Examiners give definite recommendations against the award of the degree, the thesis shall be rejected. If one of the examiners gives a definite recommendation against the award of the degree, the thesis may be referred to another external examiner, from the panel recommend by the Ph.D Recognition Committee. If the report of the third examiner is favorable, then the candidate shall be eligible to appear for the Viva-Voce examination, and if not , the thesis shall be rejected.

If one of the examiners makes qualified recommendations with valid reasons (for eg., to resubmit the thesis after suitable modifications) the Registrar (Eval) shall communicate the same to the Chairman (Guide) who will in turn intimate the candidate for resubmitting the thesis after suitable modifications within six months from the date of the communication. The resubmitted thesis will be again sent to the same examiner and the reports received thereon by the Registrar (Eval) shall be communicated to the Chairman.

- For resubmission of the Thesis, candidate shall pay half the prescribed fee.
- **No candidate shall, however, be permitted to submit the thesis more than two times.**
- The thesis may be published in any form after obtaining necessary permission from the University.

19. Viva - Voce Examination

After the thesis has been approved by all the examiners, an open defense of the thesis will be held as well as the viva voce examination will be conducted by the University on a suitable date. The viva-voce examination in which a pass is obligatory shall be conducted by a Board of Examiners constituted as follows:

- a. Guide (Chairperson)
- b. Co-Guide
- c. At least one of the external examiners.

However, under extraordinary circumstance where any external examiner cannot be present at the Viva-Voce examination, the Vice-Chancellor may appoint any external substitute examiner/s from out of the panel recommended by the Committee and approved by the University.

The topic date and time of open defense of thesis shall be announced by the University well in advance so that the faculty members and others interested in the topic of the thesis can be present. Those attending the public defense who are not the members of Board of Examiners(e.g. Teachers and Research Scholars of the Department can also ask relevant questions to the candidate. The board of examiners shall take into consideration the views and criticism, if any, of the faculty members and others participating in the open defense of the thesis. However, the result of the examination shall be decided solely by the members of the Board of Examiners.

The Viva-Voce examination is primarily designed to test the understanding by the candidate of the subject matter of the thesis including methodology employed and his/her competence in the general field of study. Since the points raised by the examiners of the thesis are to be clarified during the Viva-Voce examination, the report of the examiners who adjudicated the thesis shall be made available to the candidate and to the Board of Examiners for Viva-Voce examination. The candidate shall produce all the relevant documents, materials, preparations, etc., connected with the research project during Viva-Voce examination.

20. Results

The candidate shall be declared for the award of the degree of Doctor of Philosophy, only on the unanimous recommendations of the members of the Board of Examiners after the viva voce examination.

Members of the Board of Examiners for the Viva-Voce examination shall report specifically on whether the candidate's performance in the examination is satisfactory or not, and therefore be considered for the award of Ph.D degree or not. In case the examiners are not satisfied with the performance of the candidate in the Viva - Voce examination, the candidate shall be permitted to undergo the Viva-Voce examination for a second time within a period of three months. No candidate shall be permitted to take the viva-voce examination on more than two occasions.

After the candidate successfully completes the Viva-Voce Examination, the Chairman shall consolidate the recommendations for the award of the Ph.D degree based on the following:

- a.** The report of the examiners who adjudicated the thesis.
- b.** Evaluation of the candidate's performance in the viva-voce examination.

The chairman shall then forward the consolidated and the individual reports to the Registrar (Evaluation) of the University.

21. Award of Ph.D Degree

Based on the reports of the Board of Examiners, the University shall award the Ph .D Degree after the recommendations are approved by the Board of Management. The Ph .D degree will be awarded in the respective subject of specialization of the respective faculty and shall be designated as a Doctor of Philosophy. A degree under the seal of the University and signed by the Vice-Chancellor will be given to each successful candidate at the next convocation held for conferring degree.