



**SRI RAMACHANDRA**

**INSTITUTE OF HIGHER EDUCATION AND RESEARCH**

(Category - I Deemed to be University) Porur, Chennai

**REGULATIONS FOR  
THE DEGREE OF DOCTOR OF SCIENCE (D.Sc.)**

(Amended August, 2020)

## **REGULATIONS FOR THE DEGREE OF DOCTOR OF SCIENCE (D.Sc.)**

In exercise of the powers conferred by Rule 12.1 (iv) B (a) of Memorandum of Association & Rules and clause 21 of Bye-laws of Sri Ramachandra Institute of Higher Education and Research (Deemed to be University), Porur, Chennai – 600 116, the Academic Council of the Deemed University hereby makes the following Regulations:

These revised regulations shall be called the “Regulations for the Degree of Doctor of Science (D.Sc.) of Sri Ramachandra Institute of Higher Education and Research (Deemed to be University),” and they shall come into force from the year 2020. These Regulations are subject to such modifications as may be approved by the Academic Council from time to time.

### **1. ELIGIBILITY**

- 1.1. A candidate who has qualified for the degree of Doctor of Philosophy (Ph.D.) of this Deemed University or from any other recognized Deemed University, in any one of the faculties approved by the Board of Management and who has subsequently carried out post-doctoral research work for a minimum period of 5 years in departments of the Deemed University or in an Institution recognized and approved for research leading to the award of Ph.D. Degree, may present himself/herself for the Degree of Doctor of Science (D.Sc.), the highest degree of this University.
- 1.2. A candidate who has qualified with Higher speciality degree DM/ M.Ch. or Ph.D. after MD/MS/DNB/MDS from this University or from any other recognized University, in any one of the faculties approved by the Board of Management and who has subsequently carried research work for a minimum period of 5 years in departments of the University or in an Institution recognized and approved for research leading to the award of Ph.D. / DM / M.Ch. may present himself/herself for the Degree of Doctor of Science (D.Sc.), the highest degree of this University.
- 1.3. Such a candidate who is a full-time teacher or research scholar working in Departments of this Deemed University or from an institution/university approved by UGC/AIU alone is eligible to apply and submit his/her thesis for the award of Degree of Doctor of Science (D.Sc.).
- 1.4. The candidate must have at least 30 publications in indexed journals (Scopus, Web of Science, PubMed, UGC\_CARE) and/or patents (published or awarded). These publications should relate to the research undertaken by the candidate after completion of Ph.D. / DM / M.Ch. degree of the candidate.

The candidate must have minimum of 10 publications/patents as first author and the balance 20 publications he/she should be first or corresponding author. These publications should be in indexed (Scopus, Web of Science, PubMed) journals or in UGC\_CARE journals and published after the award of the Ph.D. Degree to the candidate.

## **2. APPLICATION FOR CANDIDACY TO D.Sc. DEGREE**

2.1. The candidate has to request the Academic Officer, SRIHER (DU) for application form and submit the same with the following,

- i) 5 copies of the synopsis of the proposed thesis of about 1500 to 3000 words on the theme of research.
- ii) Complete list of publications that would be included in the thesis, along with the impact factor of journal in which the article is published and the number of citations received, List of publications arising out of research done after Ph.D. / DM / M.Ch. (as per template).
- iii) Application fee to be paid by Demand Draft (as per Annexure-I). Application fee is non-refundable.

2.2. Applications for candidacy will be received twice in a year.

Session – I from 1st to 31st July

Session - II from 1st to 31st January

## **3. D.Sc. APPLICATION SCREENING COMMITTEE**

3.1. The Vice-Chancellor / Dean (Research) shall appoint a D.Sc. application Screening Committee consisting of Dean (Research) as Chair and experts in the proposed area of the speciality concerned and such other professionals in the field of research of the D.Sc. thesis, as may be deemed necessary. The candidate will make a presentation of the thesis to the D.Sc. Application Screening Committee which may include external experts.

3.2. This committee shall after scrutiny shall recommend or not recommend registration of candidate for D.Sc. Degree. The committee will also record reasons for not recommending a particular application. Their recommendation will be forwarded to Vice-Chancellor for approval.

3.3. If an application of a candidate is not recommended for registration of the applicant can submit a modified application in the next admission session if he/she so desires based on the comments of the screening committee.

- 3.4. Candidate whose application is recommended by the D.Sc. Application Screening Committee and approved by the Vice-Chancellor can go ahead and register for D.Sc. program and prepare the D.Sc. thesis for submission as per the guidelines given in clauses 5 and 6.

#### **4. APPROVAL OF REGISTRATION AS CANDIDATE FOR D.Sc. DEGREE**

4.1. Candidates for D.Sc. will be registered in either of the two sessions.

- a) Session - I 1<sup>st</sup> October - applications received from 1<sup>st</sup> to 31<sup>st</sup> July or
- b) Session - II 1<sup>st</sup> April - applications received from 1<sup>st</sup> to 31<sup>st</sup> January

4.2. The candidate will pay the Registration fee (at the time of registration) as stipulated in Annexure-I.

#### **5. SUBJECT OF THESIS**

5.1. The candidate shall state in his/her application the faculty/discipline on which he/she bases his/her qualification of the Ph.D. / DM / M.Ch. The subject of the thesis shall be one which relates to the branch of knowledge chosen for the Ph.D. / DM / M.Ch.

5.2. The Thesis submitted by the candidate for consideration for the award of the degree of Doctor of Science (D.Sc.) shall be substantially related to research work done after obtaining his/her Ph.D./ DM / M.Ch.

5.3. The thesis submitted for the Ph.D. Degree or any other equivalent previous degree, shall not form part of the D.Sc. thesis. If the thesis submitted for D.Sc. is related to the thesis of Ph.D. or any other equivalent previous research degree, the findings shall be confined only to the review of literature in the D.Sc. thesis.

5.4. The proposed D.Sc. thesis shall essentially be a compendium of minimum of 30 related publications/patents (published or awarded) on the main theme chosen for the D.Sc. thesis. These publications/patents (published or awarded) should relate to the research undertaken by the candidate after completion of Ph.D. / DM / M.Ch. degree of the candidate. These publications should be in indexed (Scopus, Web of Science, PubMed) journals or in UGC CARE journals and published after the award of the Ph.D. Degree to the candidate. The candidate must have minimum of 10 publications/patents as first author and the balance 20 publications he/she could be first or corresponding author.

The D.Sc. thesis must be on one main theme, no candidate can submit a series of unconnected papers as a thesis. A series of published research papers can be submitted provided they form one connected theme with analytical chapter(s) to show as to how these publications are

interconnected leading to new knowledge or additional knowledge to the chosen area of research which led to advancement of scientific knowledge and resulted in valuable contributions to the concerned branch of science. Additional papers can be submitted in support of the main thesis only on an undertaking that the candidate indicates in the preface the main work, or memoir, or thesis upon which he/she bases his/her application for the D.Sc. Degree.

## **6. SUBMISSION OF D.Sc. THESIS**

6.1. The thesis must be submitted not earlier than 3 months and not later than 6 months from the date of registration.

6.2. The candidate shall submit the –

- a) Application: Form-I & Form-II
- b) Five hard copies and one soft copy of thesis
- c) One soft copy of synopsis
- d) D.Sc. Thesis submission fee as stipulated in Annexure-I.

### **6.3. Format of Thesis**

The thesis shall be submitted in the format given below and as per the template in Annexure-II attached

- Title page
- Declaration
- Preface
- Literature review
- Compilation of Research undertaken after Ph.D. / DM / M.Ch. as reprints of publication with a narrative write up justifying the connectivity and continuity of research output through the publications.
- Analytical discussion to demonstrate the research contribution leading to new knowledge and/or additional knowledge to the chosen area.
- Additional publications if any, with explanatory note on indicating its relevant to the thesis
- Summary and conclusion
- Bibliography

### **6.4. Declaration**

The thesis shall be accompanied by a declaration signed by the candidate that it has been composed by himself/herself independently and that the thesis has not previously formed the basis for the award of any degree such as Master's degree or Ph.D. Degree, Diploma, Associate ship, Fellowship or other similar title.

## **6.5.Preface**

The candidate shall indicate generally in a preface to his/her thesis, the sources from which his/her hypothesis of research is based on and the extent to which he/she has availed of the work of others, he/she shall review the current status of knowledge available in his/her chosen area of research on which the thesis has been built upon.

## **7. ACCEPTANCE OF THESIS FOR EVALUATION**

Upon receipt of the application and thesis, the Controller of Examinations shall arrange to refer the thesis to the Board of Research Studies to make suitable recommendations for panel of examiners.

## **8. EXAMINERS**

8.1. The Chairman of the Board of Research Studies with the approval of Board of Research Studies will submit a panel of names of 9 experts in the field of research chosen by the candidate for the D.Sc. thesis. This panel shall include three experts from outside India, three experts from Northern/West/East India and three experts from South India for appointment as examiners for evaluating the thesis, to the Controller of Examinations by name in a cover marked "confidential".

8.2. If the panel of 9 names of external examiners suggested by the Board of Research Studies is found to be inadequate, the Vice-Chancellor shall be at liberty to obtain additional names of experts, in consultation with experts in the concerned field of D.Sc. thesis.

## **9. VALUATION OF THESIS**

9.1. The Thesis shall be referred by the Vice-Chancellor for valuation to a Board of Examiners consisting of three persons (one from South India, one from rest of India and one outside India) from the panel submitted by the Board of Research Studies.

9.2. The Board of Examiners who value the Thesis shall report on the merit of the candidate for the D.Sc. Degree as "Commended" "Highly commended" or "Not commended". If two of the three examiners do not commend the thesis, the thesis shall stand rejected. If two of the three examiners commend the thesis and one examiner does not commend the thesis, the Vice-Chancellor may refer the same to a fourth examiner for his valuation. The fourth examiner shall be from the same category of examiner, who rejected the thesis (i.e., examiner from Southern state/Northern state/ rest of India/ abroad). If the fourth examiner commends the thesis, the candidate will be declared qualified for the award of the D.Sc. Degree. If the fourth examiner also does not commend the thesis, the candidate will be declared not qualified for the degree.

9.3. Provided that one of the two Indian examiners will be appointed as Convener of the Board of Examiners for adjudication of D.Sc. thesis, who will, on receipt of the individual reports from all the examiners forwarded by the Controller of Examinations prepare the consolidated report of the Board and forward it to the Controller of Examinations for placing before the Vice-Chancellor through Dean (Research). The reports of the Board of Examiners appointed by the Deemed University shall be placed before the Board of Management for declaring the candidate to be qualified/not qualified for the award of D.Sc. Degree.

9.4. A candidate who has been declared qualified shall be awarded the Degree of Doctor of Science (D.Sc.) of Sri Ramachandra Institute of Higher Education and Research (Deemed to be University).

## **10. RE-SUBMISSION OF THESIS**

10.1. A candidate shall not be permitted to submit thesis for the award of D.Sc. Degree on more than two occasions.

10.2. A candidate whose thesis has not been commended in the first instance may be permitted to re-submit the Thesis a second time after a period of one year and after inclusion of additional publications on the subject, following the procedure prescribed under Regulation 6 supra. Ordinarily the re-submitted thesis will be referred to the same Board of Examiners which valued the thesis on earlier occasion.

## **11. SAVING CLAUSE**

For anything not specifically covered by the above Regulations and questions arising out of these regulations, the same shall be referred to the Board of Research Studies, whose decision shall be final.

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**ANNEXURE - I**

**FEE STRUCTURE FOR D.Sc. PROGRAM (WITH EFFECT FROM AUGUST 2020)**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Fee (in Rs.)</b>
1.	Application fee (while submission of application)	15,000/-
2.	D.Sc. Registration fee (at the time of registration)	50,000/-
3.	D.Sc. Thesis submission fee (at the time of submission of thesis)	1,00,000/-





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**[-----TITLE OF THESIS (TIMES NEW ROMAN 17 – ALL  
CAPS AND BOLD-----]**

**Thesis submitted for the Degree of  
Doctor of Science (D.Sc.)**

**by**

**[NAME]**

**[Month, Year]**

INSIDE FIRST PAGE



**SRI RAMACHANDRA**

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**[-----TITLE OF THESIS (TIMES NEW ROMAN 17 – ALL  
CAPS AND BOLD-----)]**

**Thesis submitted for the Degree of  
Doctor of Science (D.Sc.)**

**by**

**[NAME]**

**[D.Sc. (Reg.No.-----)]**

**[Month, Year]**

Format for SPINE

<b>D.Sc.Thesis]</b>
<b>[NAME]</b>  <b>----TITLE OF THESIS (TIMES NEWROMAN 11)--]</b>
<b>[Month, Year]</b>



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## DECLARATION

I [NAME] hereby declare that this thesis entitled '[-----  
-----]' is based on my post-doctoral research and compiled independently and it has not previously formed the basis for the award of any Master's degree, Ph.D, Diploma, Associateship, Fellowship or similar titles in this Deemed University, any other University or other similar Institutions of higher learning.

Date:

Signature of the candidate

Place:

[-----]

[D.Sc. Reg. No -----]

(Back Cover)

**D.Sc. Thesis**  
**of**  
**[name of scholar]**

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## **GUIDELINES FOR SUBMISSION OF D.Sc. THESIS**

The prescribed fee as stipulated in Annexure-I in the form of Demand Draft in favour of 'Sri Ramachandra Institute of Higher Education and Research (DU)' payable at Chennai.

Five Copies of the Thesis, one soft copy of D.Sc. Thesis, one soft copy of Ph.D. thesis and one soft copy of D.Sc. Synopsis should be submitted along with the D.Sc. Thesis Application Form-II along with the receipt of prescribed fee.

1. The format for Thesis :

- a. The Thesis should be in hard bound volume, white cover (without rexine cover and brass edges).
- b. The cover page and spine should be as per the Annexure-II.
- c. Declaration from scholar as per Annexure-II.
- d. The Table of content page should include page numbers.
- e. The thesis should be typed in A4 size 110 GSM paper:-
  - Thesis shall be printed double sided from Introduction
  - Font Times New Roman, size 12
  - Margin 1 inch for Top, Bottom
  - Margin 1.5 inch on either side (right & left)
  - Lines Spacing: 1.5
  - Page numbering starts from Introduction chapter to Conclusion
  - Header: chapter name for each page (font size-8) right aligned
  - Footer: title of the thesis for each page (font size-8) left aligned

**Format for D.Sc. THESIS**  
**(contents for a hard copy of Thesis to be submitted)**

Sl. No.	Contents	Guideline	No. of Pages
1.	Title	Title	As per Annexure-II
2.	Certificate	Declaration from scholar	As per Annexure-II
3.	Index Page	With page numbers	
4.	Thesis Manuscript	<ul style="list-style-type: none"> <li>- Introduction / Preface</li> <li>- Review of Literature</li> <li>- Compilation of Research undertaken after Ph.D., D.M., M.Ch. as reprints of publications with a narrative write-up justifying the connectivity and continuity of research output through publications</li> <li>- Analytical discussions to demonstrate research contributions leading to new knowledge or additional knowledge chosen area</li> <li>- Summary &amp; Conclusions</li> </ul>	Maximum 250 and less than 2 kgs.
5.	Bibliography	Harvard or Vancouver style - APA	
6.	Appendix	Those relating to study	