

RESEARCH AND DEVELOPMENT CELL

D.Sc. Regulations -2023

1. Preamble

Doctor of Science (D.Sc.) the highest degree of the AMET Deemed to be University, are awarded to a candidate who, as per regulations, has submitted a thesis on the basis of his/her original and independent post-doctoral research in any particular discipline, that makes a significant contribution to the advancement of knowledge in a particular topic or area, which is approved by the Board of Examiners as required. This Programme emphasizing original research, critical thinking, and contributions to the advancement of knowledge in a particular scientific discipline.

The regulations framed are subject to modification from time to time by the competent authorities of the University.

2. General Eligibility

2.1 Candidates seeking admission to D.Sc. Programme of this University should have qualified for the Doctor of Philosophy (Ph.D.) from this University or any other Indian University recognized by UGC or Equivalent Foreign University.

or

For the Ph.D. Degree obtained from other Universities/Institutes in India or abroad, the genuineness certificate issued by a competent authority of the University is mandatory for registration.

or

Candidates seeking admission to D.Sc. Programme must have pursued outstanding Post-Doctoral Research in the concerned discipline after acquiring Ph.D. degree.

In addition, the following conditions should be fulfilled by the candidates:

- 2.2. He/She should have been a regular employee in this University/ any other University/research institute for a period of not less than 25 years of experience, out of 10 years as a Professor / Industry or equivalent to research after obtaining his/her Ph.D. and should have carried out research work with a consistent record in any of the above categories of institutions recognized for the purpose of advanced research.
- 2.3. For D.Sc. Degree, the candidate should have published at least 25 research publications in SCI journals with an impact factor of 1.0 and above, in which he/she should have been a single author/ corresponding author / first author. The average of the impact factor of the journals in which the 25 articles have been published should be not less than 1.5.
- 2.4 The h-index of the candidate should be greater than 25 for D.Sc. Programme.
- 2.5 There is No age limit either for registration or submission

3. Application Form and Registration

- 3.1. Candidates who are eligible for admission to D.Sc. Programme as per clause (2) above shall apply to the university in the prescribed application form that can be downloaded from the University website (www.ametuniv.ac.in) and the duly filled in application shall be submitted to the Registrar, AMET Deemed to be University, Chennai along with an application fee.
- 3.2. The candidate should submit four copies of detailed synopsis of about 2000-3000 words on the proposed theme of research explaining how his/her work is original and it contributes to the advancement of knowledge in the discipline.
- 3.3. No objection certificate from the employer is mandatory.
- 3.4 Scrutiny of D.Sc. Applications: Applications of the candidates shall be scrutinized by a committee consisting of the following members:

- Dean, Faculty of Research
- Dean of the corresponding faculty (Arts/Science/Management/Commerce/Engineering)
- Head of the Department
- Two External Subject Experts to be nominated by the Honorable Vice-Chancellor

In case, any of the members of the scrutiny committee apply for D.Sc. then the Vice-Chancellor shall nominate a member in that place as substitution.

3.5 The candidates whose applications are recommended by the Research Committee for registration will be intimated and the candidates can register for the D.Sc. Programme with completed application form for registration along with other required documents in original and photocopy to the Registrar, AMET Deemed to be University within one month from the date of intimation of admission. The period shall count from the month of registration.

4. SUBMISSION OF THESIS

4.1 It is resolved that the candidate shall submit his / her thesis after a period of one year from the date of registration. Extension of time for submission of thesis will be granted for a further period of one more year i.e. two extensions each of six months.

4.2. Format for the D.Sc. Thesis shall be as follows:

- Cover page
- Declaration by the Candidate (as per the prescribed format)
- Preface (optional)
- Contents
- The main theme of the thesis shall be presented in 50 to 100 pages (in A4 size; double line spacing; Times New Roman Font with size 12) extracting the research work carried out and the findings made in the enclosed publications along with reasoning and logical explanations on originality of the research work and contributions towards new knowledge or advancement of knowledge.

- Thesis shall have copies of all the reprints from which the thesis has been derived.
- Citations of the publications from which the thesis has been derived.
- h-index as per Web of Science / Scopus (Copy of proof should be enclosed)
- A personal profile of the candidate with photograph, not exceeding five pages.
- Five copies of the same shall be submitted along with the Thesis

4.3. Similarity Checks, Levels of Plagiarism and Conflict of Interest Similarity checks and levels of plagiarism shall be followed as per UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations 2023 for the research works which exclude the works of the candidate as D.Sc. thesis is largely based on the earlier research (after Ph.D.) contribution of the candidate.

The candidate shall submit a certificate declaring that there is no conflict of interest in any of the contents of the thesis and shall mention the level of plagiarism in a format as prescribed by the University.

5. Declaration

The thesis shall be accompanied by a declaration in the prescribed format duly signed by the candidate that it has been composed by himself / herself independently, and a certificate vouching that there is no plagiarism and the thesis has not previously formed the basis for the award of any Degree such as Master's degree or Ph.D. Degree, Diploma, Associateship, Fellowship or other similar title.

6. Adjudication of thesis

6.1 Adjudication of the D.Sc. Thesis

6.1.1 For the adjudication of the D.Sc. Thesis, the panel of examiners shall be constituted by the Chairperson of the respective board with prior consultation, approval from the Vice-Chancellor. The panel shall consist of three examiners preferably from advanced countries and three examiners from India preferably one from Tamil Nadu and two from other states. The Vice-Chancellor shall appoint three examiners from the panel of examiners, one from abroad and two from India.

- 6.1.2 The thesis shall be sent to the examiners for adjudication on receipt of the consent from the examiners.
- 6.1.3 The evaluation of the D.Sc. thesis has to be completed by the examiner within a stipulated period of three months from the date of receiving the thesis.
- 6.1.4. If the University does not receive the evaluation report from any examiner within the stipulated period of ninety days from the date of receipt of thesis, another examiner shall be nominated in his/her place by the Vice-Chancellor.
- 6.1.5. Examiners from India and Abroad shall adjudicate the thesis and submit a detailed report on the merits and demerits of the thesis and finally indicate whether the thesis is Recommended or “Not Recommended”.

6.2 Discussion

- 6.2.1 The Chairperson of the respective Board shall be the convener to conduct the discussion and the Indian examiners who adjudicated the thesis shall be validate the above discussion. In case, the Chairperson himself / herself is a candidate for the D.Sc. Programme, the Vice-Chancellor’s nominee shall be appointed as the Convener.
- 6.2.2 On receipt of the reports of the examiners, the Convener shall submit a consolidated report, based on the individual reports of the examiners.
- 6.2.3 In case, one or two examiner(s) suggest(s) modifications / revisions, the candidate may be permitted to resubmit the thesis after necessary revisions within a period of six months.
- 6.2.4 After the receipt of favorable reports from the adjudicators, the convener shall initiate and complete the public viva voce examination within a period of three months.

7. Award

After the due process of evaluation including the discussion and validation of thesis, only when the decision of the Board of Examiners is unanimous in recommending the award of the D.Sc. degree to the candidate with the approval of the Executive committee of the university then the degree shall be awarded to the candidate and the award shall be conferred in the Convocation.