



**DHANALAKSHMI SRINIVASAN  
UNIVERSITY**

Samayapuram, Tiruchirappalli – 621 112

**DEGREE OF  
DOCTOR OF PHILOSOPHY**

**Ph.D. REGULATIONS**

**(As per UGC Regulation, 7<sup>th</sup> November 2022)**

**Draft DSU regulations-March 2023**

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## **1. General**

Candidates who fulfil the Dhanalakshmi Srinivasan University's eligibility requirements, has submitted his/her thesis on original and independent research work in any discipline, his/her thesis be recommended by the duly appointed examiners, and has successfully defended his/her research thesis in the public viva-voce shall be awarded with Ph.D., Degree. Research field may be Medical, Paramedical, Engineering, Pharmaceutical Sciences, Agricultural Sciences, Arts & Science, Management, Law or inter/multidisciplinary aspects of above fields that would result in the innovative outcome for societal benefit.

### **1.1. Categories of Ph.D.**

#### **a. Full time Ph.D.**

Candidates who pursue doctoral research work full time at Dhanalakshmi Srinivasan University.

#### **b. Part time Ph.D.**

##### **- Internal**

Candidates who are currently working in Dhanalakshmi Srinivasan University and pursue doctoral research part time.

##### **- External**

Candidates who are working in any institutions including Industries, Colleges, Government Institutions, Research Institutes, and other organizations and pursue doctoral research part time at DSU.

The part-time candidates under this category shall pursue research work at DSU or at the place of their employment or at the eligible institution closer to their workplace provided that the institution offers 4-year undergraduate programmes and/or post-graduate programmes, and possesses sufficient infrastructure/research facilities. In such case, it is mandatory to have a co-supervisor from their workplace or nearest eligible institution, and submit "No Objection Certificate" (in the prescribed format) from the Head of the Institution where the research work is being planned to execute. Such co-supervisor should satisfy the required eligibility as per DSU regulation for supervisor recognition.

### **1.2. DSU Doctoral Fellowship**

Dhanalakshmi Srinivasan University doctoral fellowship (DSU-Doctoral Fellowship) shall be awarded to the meritorious full-time research scholars based on the recommendation by the selection committee and approval by the Dean - Research. **A stipend of Rs. 20,000 /- p.m.** will be provided by DSU for the eligible candidates. In addition to the stipend, a **contingency grant of Rs. 50,000 /- p.m. per annum** will also be supported to the candidates. The fellowship is provided for the minimum of 2 years and it may be extended for another one year based on the research progress of the Ph.D. scholar. It is encouraged that the candidates should obtain their own funding as a JRF/SRF from UGC, CSIR, etc. Selection of candidates is based on the pre-registration eligibility entrance exam and interview.

## **2. Eligibility**

### **2.1. Admission Requirement**

**2.1.1** A candidate with Master's Degree with not less than 55% marks or equivalent grade in the qualifying degree. 5% or equivalent relaxation may be permitted for the candidates belonging to SC/ST/OBC/differentially-abled/Economically Weaker Section (EWS).

### **2.2 Discipline wise eligibility**

<b>Sl. No.</b>	<b>Discipline</b>	<b>Eligibility</b>
1.	Medicine-MBBS	MBBS with 55% of marks and D.CH. D.O., D.Ortho. D.L.O., D.G.O., etc. or one year PG Diploma with research methodology as a component with 1 year experience. MBBS with less than 55% marks and D.CH. D.O., D.Ortho. D.L.O., D.G.O., etc or one year PG Diploma with research methodology as a component with 5 years of experience as a Resident / Tutor in an Institution.
2.	Post graduation in Nursing, Paramedical courses and Allied Health Sciences	M. Pharm, M.Sc. Nursing. M. Sc in relevant allied health sciences etc.
3.	Bio-Medical Sciences	M.Sc./M.Tech. 2 years or 5 years integrated (Biotechnology, Biochemistry, Nutrition & Dietetics., Biostatistics, Medical Sociology, Bio-medical Engineering, etc) and related bio-medical, medical subjects.
4.	M.Sc. (Faculty of Science)	2 yr M.Sc. in Anatomy, Physiology, Biochemistry, Microbiology, Agricultural Sciences and related subjects.
5.	M.Sc. (Medical)	3yr M.Sc. in Medical Anatomy, Medical Physiology, Medical Pharmacology, Medical Biochemistry and Medical Microbiology and related subjects.
6.	Post Graduate Medical Diploma in all Branches/Specialities	D.CH. D.O., D.Ortho. D.L.O., D.G.O., etc with 5 years of teaching experience.
7.	Post Graduate degree in Medicine / Surgery/Non-clinical specialities	MD., MS. and equivalent.
8.	Medical Higher Specialities	DM. M. Ch and equivalent.
9.	M. E (Faculty of Engineering)	M. E / M.S / M. Tech in relevant engineering field and equivalent.
10.	Post Graduate degree in Law	2 year PG degree in Law
11.	M. Pharm	2 year PG program in pharmaceutical sciences.

10	Interdisciplinary Studies	Post Graduate degree in the relevant disciplines concerned
11	Master of Philosophy in any discipline	M. Phil in relevant disciplines concerned

**2.3. Qualifying the Pre-registration Ph.D. Program Eligibility Entrance Examination** (Exemption to candidates under category 2.4 only)

**2.4. NET/SET/GATE/CEED or similar National entrance exam qualified candidates or candidates who cleared Ph.D. entrance tests conducted by DSU within the last 2 years** in the relevant discipline or candidates with Master's Degree in Medicine, Surgery and allied specialities or JRF/SRF/Project Fellows (Under sponsored research projects) shall be **exempted** from clearing the Pre-Registration Ph.D. Entrance Examination and they shall be eligible to appear for interview and register for Ph.D. Program.

**2.5. UG students** (B.E/B.Tech or equivalent) **with 75% marks** or 7.5 CGPA (on a 10-point scale) will also be eligible to register for full-time direct PhD Program. A relaxation of 5% or 0.5 score or equivalent may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-abled/ Economically Weaker Section (EWS).

### **ELIGIBILITY CRITERIA FOR LAW Ph.D. ADMISSION**

#### **1. Ph.D. Degree in Law (Full-Time)**

Candidates who possess a Two Years Master's Degree in Law from any recognized University through regular fulltime mode and have a minimum of 55% of marks in the aggregate or an equivalent grade in point scale wherever grading system is followed.

#### **2. Ph.D. Degree in Law (Part-Time)**

Candidates who are applying for part-time research in addition to the educational qualification prescribed above (section 1), they should possess the following requirements.

- (a) Judges, having minimum of 5 years of regular service as Judicial Officers.
- (b) Teacher candidates who spent two years of full-time regular service in University /Institution deemed to be a university or in any of the affiliated colleges of the University or any other university recognized by UGC. They must have published at least two research papers in refereed journal.
- (c) Advocates possessing M.L. Degree through regular full-time study should have minimum 5 years of professional experience and published at least two research papers in refereed journal.
- (d) Candidates employed in a time scale of pay in the Research Institutions/ Research Departments in the field of Law, should have work experience of 5 years after obtaining Masters Degree through regular full-time study and published at least two research papers in refereed journal.

### **3. Ph.D. DEGREE (INTER–DISCIPLINARY) in LAW**

#### **3.1. Ph.D. Degree (INTER–DISCIPLINARY) (Full Time)**

(a) Candidates possessing a Master's Degree in Engineering, Medicine, Forensic Science, Agriculture, Technology or in other Humanities & Social Science having secured a minimum 55% or equivalent in its grade and a bachelor's Degree in Law from a recognized University through a regular full-time study;

(b) The candidates having qualified in the Company Secretary examinations (ACS) conducted by the ICSI and been awarded associate membership of the institute provided, the candidates have secured the qualification after the lapse of two years after obtaining the bachelor's degree in law by a recognized university through regular full-time study and have obtained a minimum of 55% marks in aggregate in the qualifying degree examinations.

(c) The candidates having qualified in the Chartered Accountants Examination conducted by the Institute of Chartered accountants and been awarded membership of the Institute of Chartered accountants provided, the candidates have secured the qualification after the lapse of two years after obtaining the bachelor's degree in law in recognized university through regular full time study and 55% in aggregate in the qualifying degree examinations.

#### **3.2. Ph.D Degree (INTER–DISCIPLINARY) (Part Time)**

The candidates applying for part-time research, in addition to the educational qualification as in 3.1, they should possess the following requirements:

(a) Teacher candidates who have put in two years of full time regular service in university /institution deemed to be a university or in any of the affiliated colleges of the University or any other university recognized by UGC in the concerned subject. They must have published at least two research papers in refereed journal.

(b) Candidates employed in a time scale of pay in the Research Institutions/ Research Departments, should have work experience of 5 years after obtaining the Master's Degree through regular full-time study of which at least two years should be relevant in the field of research and published at least two research papers in refereed journal.

(c) Candidates employed other than a teacher in a permanent job in a registered firm/institution with a minimum of 4 years of total working experience after obtaining (PG) degree are eligible to apply for Ph.D. programme (INTER– DISCIPLINARY) (part time)

#### **Relaxation of Marks**

A relaxation of 5% of marks from 55% to 50% may be allowed for those belonging to SC/ST/ Differently Abled Persons/ Economically Weaker Section (EWS).

### **3. Duration**

SI. No.	Ph.D. Type	Duration (including course work)	
		Minimum	Maximum
1.	Full Time	3 years	6 years
2.	Part Time	4 years	6 years

A maximum of additional two (2) years can be given through a process of re-registration. Total period for completion of a Ph.D. programme should not exceed eight (8) years from the date of provisional Ph.D. registration order.

The women candidates and differently-abled candidates (more than 40% Disability) shall be allowed a further relaxation of 2 years in the maximum duration for Ph.D (maximum period should not exceed 10 years).

In addition, women candidates may be provided Maternity Leave/Child Care Leave for up to 240 days once in the entire duration of Ph.D. research.

#### **4. Admission Procedure**

- a) Advertisement for the Ph.D. admission subject to the available seats (accounting on scholar-to-supervisor ratio) per specialization will be posted on the University webpage and on the newspaper/social media twice a year.
- b) The candidates shall submit the online application on or before 30<sup>th</sup> April/30<sup>th</sup> October, every year.
- c) The applications received will be scrutinized and eligible candidates will be called for Ph.D. pre-registration eligibility entrance exam.

#### **Exam Pattern:**

##### **Pre-registration eligibility entrance examination for Ph.D. Program**

Time: 3 hr

Sl. No.	Tests	No. of MCQs	Marks
1	Test of Research Methodology	50	50
2	Test of Relevant Subject Knowledge	50	50
<b>Total</b>		<b>100</b>	<b>100</b>

*Research Methodology syllabus for Ph.D. entrance exam will be available in the University webpage.*

- **NET/SET/GATE/CEED or similar National entrance exam qualified candidates or candidates who cleared Ph.D. entrance tests conducted by DSU within the last 2 years** in the relevant discipline or candidates with Master's Degree in Medicine, Surgery and allied specialities or JRF/SRF/Project Fellows (Under sponsored research projects) shall be **exempted** from clearing the Pre-Registration Ph.D. Entrance Examination and they shall be eligible to appear for interview and register for Ph.D. Program.
- Candidates who have scored 50 % marks in the entrance exam are eligible to be called for the interview. 5 % mark relaxation will be given in the entrance exam for the candidates belonging to SC/ST/OBC/differently-abled category, Economically Weaker Section (EWS) and other categories of candidates as per the amendments of the DSU regulation from time to time.
- Number of candidates called for an interview will be based on the seats available in the specific discipline.

- d)** Followed by the entrance test, interview will be conducted by the University wherein the doctoral candidates are expected to discuss their research interest/area before the Selection Committee. Weightage split-up for marks scored in entrance exam and interview round will be 70 and 30 %, respectively.

Based on the discipline of the shortlisted candidates, Deans of the respective school will nominate 3-5 faculty members who are recognized as supervisors for the Ph.D. interview selection committee.

The Ph.D. interview selection committee will consider the following aspects whether

- i) The candidate possesses the competence for the proposed research work;
- ii) The research work can be undertaken at the Institution
- iii) The proposed area of research can contribute to new/additional knowledge

Candidates will be selected and meritorious full-time candidates will be offered with DSU Doctoral fellowship based on their overall performance and as recommended by selection committee, and final approval by Dean – Research.

- e)** Research scholars are encouraged to identify their prospective research supervisor from the list of recognized supervisors on the University webpage. Research scholars have the freedom to identify their supervisors.

- f)** Pre-requisites for Provisional Registration:

- i. Duly filled in prescribed application form.
- ii. Acceptance letter of the recognized Guide (Co-guide if applicable), attested by HOD that the required laboratory facility will be provided to the candidate.
- iii. All the original certificates pertaining to pre-Ph.D. degrees along with +2 and Community Certificates for certificate verification.
- iv. Original No Objection Certificate from the current workplace should be submitted if the Ph.D. Candidate is registering for Part-time Ph.D (13.2 of UGC regulation, 2022).
- v. Every candidate who satisfies all the conditions and procedures prescribed shall apply to the University for Provisional Registration in the prescribed application form along with the stipulated fees.
- vi. Provisional Registration application form shall be submitted along with a brief write-up of the proposed research. The write-up shall include Aims, Objectives, Methodology and Expected outcome of the research to the scientific knowledge and academic growth and development (limit to 2 pages).
- vii. The provisional registration shall be confirmed by the University based on the recommendations of the concerned authorities.
- viii. The candidates and guides shall be informed about the approval of provisional registration with instructions regarding the research work according to the norms and regulations of this University.
- ix. The candidate or guide shall address all correspondence to the Dean Research of the University through the guide and HOD as applicable.

- g)** Admission of international Ph.D. Candidates

All the above admission rules apply for international Ph.D. Candidates.

## **5. Student Exchanges**

For student exchanges, provided that they contribute significantly to the completion of the thesis, leave of absence may be granted from the second year onwards on the following basis:

- i) Research expeditions (less than one month): authorised by the supervisor and head of the department;
- ii) Research missions (more than one month): proposed by the department and approved by the Research Advisory Committee for working in National/International Research Laboratories or Centres of Excellence; and
- iii) Exchange programmes: proposed by the department and approved by the Research Advisory Committee for working in the Institutions in India/Abroad.

## **6. Recognized Guide/Supervisor:**

Every scholar registered for Ph.D. program shall work under the continuous supervision of a recognized guide. A Guide shall not guide his/her immediate or close relative.

### **a) Qualification of a Guide:**

- (i) A person who is a permanent/regular faculty member and satisfies any one of the conditions listed below of the University can act as a guide/research supervisor in Dhanalakshmi Srinivasan University.
- (ii) Any regular Professor/Associate Professor with Ph. D degree having at least 5 research publications in peer-reviewed or UGC approved journals or indexed in SCOPUS/Web of Science OR any regular Assistant Professor with Ph.D. degree and having at least 3 research publications in peer-reviewed or UGC approved journals or journals indexed in SCOPUS/Web of Science (clause 6.1 of UGC regulation, 2022) employed in Dhanalakshmi Srinivasan University may be recognized as a supervisor.
- (iii) Faculty members who are not an employee of Dhanalakshmi Srinivasan University cannot guide a Ph.D. candidate (clause 6.1 of UGC regulation, 2022).
- (iv) External supervisors may be allowed only as a co-supervisor/co-guide in inter-disciplinary areas from other departments of the same Institute or from other related institutions (clause 6.2 of UGC regulation, 2022).
- (v) Head of the Department of any medical department with qualifications as prescribed by statutory body and with 10 years of postgraduate teaching experience (M.D/M.S./DNB/M.Sc. /equivalent degree)
- (vi) Any Professor or Associate Professor with M.D/M.S./DNB qualification and 10 years of postgraduate teaching experience MD./M.S/DNB/M.Sc./ equivalent degree in a recognized medical college/university with experience in guiding postgraduates in

dissertation/research and minimum of 3 publications in indexed peer reviewed journals.

- (vii) Only a full-time regular faculty member of the University can act as a recognized research supervisor.
- (viii) Professor, Associate Professor and Assistant Professor as a research supervisor/co-supervisor cannot guide more than Eight (8), Six (6) and Four (4) Ph. D research scholars respectively, at any given time point of time. The supervision shall guide a maximum of 2 international Ph.D. candidates within the permitted number as stated above.
- (ix) The total number of candidates under a research supervisor shall not exceed the above stated number at any point of time including the candidates under co-supervision (clause 8 of UGC regulation, 2022).

**b) Duties of a Recognized Guide:**

- i. The Guide shall be responsible for the research carried out by the scholar.
- ii. Once the scholar is provisionally admitted into the Ph.D. Program, the guide has to submit a nomination form (in the prescribed format) with the members list for the constitution of Doctoral Committee (DC) to the Dean-Research.
- iii. Two subject experts out of four nominated members will be nominated by the Dean-Research and approved by the Vice Chancellor within a period of 1 month. The co-guide if any also will serve as a member in the doctoral committee. Head of the Department shall act as an observer. Guide shall convene the meeting. First DC meeting should be conducted by the Guide within 1 month from the date of VC approval to determine the course curriculum for the Ph.D. candidates (10.1 of UGC regulation, 2022).
- iv. He / She shall sign all the papers, declarations, certifications, authentications and other related documents pertaining to the registration of the candidate, submission of synopsis and thesis of the registered candidate.
- v. The Guide shall interact with the Co-guide who may be entrusted to continue the research work of the candidate when the selected Guide is not in a position to do the same under the following situations:
  - a. When the Guide is on long leave (for three months or more).
  - b. When the Guide is sick or on medical leave (for three months or more).
  - c. Other unforeseen circumstances, such as conflict with guide.
  - d. Till a new guide is selected and appointed with the approval of the university, the Co- guide shall assist the candidate in his/ her research work.
- vi. All fellowships, leaves, etc. will be regulated as per the University norms, routed through the Guide and the concerned HOD and Dean.

- vii. The Guide shall also be the convener of the Public Viva Examination Committee.

## **7. Constitution of the Ph.D., Committee**

### **7.1. Doctoral Committee (DC):**

Committee constituted by the University to consider the progress report, title change, change of research supervisor, extension of time to submit the thesis, to issue show cause notices if required, to give permission to submit the synopsis and such other duties entrusted by the University to the Committee from time-to-time in connection with the Ph.D. programme.

- The Doctoral Committee members must be nominated within a month of joining of the Ph.D. scholars has to be approved by the Vice Chancellor.
- First DC meeting should be conducted by the Guide within 1 month from the date of VC approval to determine the course curriculum for the Ph.D. candidates (10.1.ii of UGC regulation, 2022).
- DC shall be constituted for each Ph.D. Candidate.
- The Doctoral Committee shall meet at least twice every year after the 1<sup>st</sup> DC meeting, preferably in May-June and November-December.
- The Doctoral Committee shall be re-constituted once in two years.

#### **DC Members shall be comprised of:**

- |   |                   |
|---|-------------------|
| 1. Research Guide /Supervisor   | - Member Convener |
| 2. Head of the Department (HoD)   | - Observer        |
| 3. Two Subject Experts (One expert from within the department and One expert from outside the department – Selected by the Dean, Research from a panel of 4 experts recommended by the Research Supervisor) | - Members         |
| 4. Research Co-guide/Co-supervisor (If any)   | - Member          |

### **7.2. Research Advisory Committee (RAC)**

Research Advisory Committee (RAC) means the Committee constituted by the University

- **RAC Members shall be comprised of:**
  - o Dean Research
  - o Deans from respective discipline of the candidates
  - o Research Supervisors from respective discipline of the candidates (not required if the meeting is to decide upon Guide/Supervisor's matters)
  - o Two External Subject Experts nominated by Dean, Research

Whenever a Ph.D. candidate's progress is found unsatisfactory or the Guide/Supervisor fails to conduct the meetings and/or submit the appropriate documents at the stipulated time as per University regulations, RAC, with specific reasons and proofs, shall recommend the cancellation of Ph.D. registration or Guide/Supervisor Recognition whichever is appropriate.

## **8. Ph.D. Award requirements:**

Following are the requirements for the candidates seeking the award of Ph.D.

### **8.1. Course Work/Methodology**

- All candidates admitted to the Ph.D. programme are required to complete the course work prescribed by the guide (during the 1<sup>st</sup> DC meeting) within eighteen months from the date of PhD pre-registration. Comprehensive Viva/Voce should be conducted by the DC along with One external examiner as recommended by research supervisor and forwarded through Dean research and approved by the VC. Grades in the course work, including research methodology courses and report on comprehensive viva/voce shall be finalized after a combined assessment by the DC & RAC.

- A Ph.D. scholar has to obtain a minimum of 55% of marks or its equivalent grade in the UGC 7.5 -point scale (or an equivalent grade/CGPA in a point scale wherever grading system is followed) in the course work in order to be eligible to continue in the programme and submit the dissertation/thesis (9.3 of UGC Regulation, 2022). The course work shall consist of three to four theory papers and one viva-voce examination as approved during 1<sup>st</sup> DC meeting.

### **Conditions:**

- A) Passing minimum of 55 % is essential in each paper.
- B) Minimum of 12 credits which should include Research Methodology and Publication Ethics courses in the Ph.D. Program.
- C) All the courses relevant to the research field offered at DSU shall have to be approved by the DC.
- D) If the courses are not offered at DSU, the candidate may attend the online open courses (MOOC), subject to the approval of the DC. In such cases, examinations shall be conducted by the Controller of Examinations (COE) of DSU.
- E) A candidate may also take a Seminar as a course. Candidate should have presented a poster or oral presentations in a seminar or conference for consideration.
- F) Direct Ph.D. Candidates joining after UG degree have to undergo additional courses respective to the discipline as specified by the Research Supervisor with the total of 6-

8 courses. They should comply with all the necessary requirements as applicable to PG students under Ph.D. regulations of DSU.

- G) Candidates registered for Ph.D. program should complete a minimum of 4 courses within 18 months from the date of registration. Integrated Ph.D program students (Direct Ph.D.) shall complete all the 6-8 courses within 24 months from the date of registration.
- H) If any candidate wishes to withdraw from the Ph.D. programme at the end of the second year or later, the candidate may opt for M.S. degree in the appropriate discipline. This will be considered by the Academic Council on specific recommendations of the DC, provided the candidate has published a minimum of one technical paper in a peer reviewed UGC approved journal and has completed all the prescribed course work/comprehensive viva-voce. The candidate shall submit a thesis for M.S. degree and the final viva-voce examination will be conducted by examiners appointed by DSU. On successful defense, the candidate shall be awarded the M.S. degree in the relevant discipline.
- I) A Candidate admitted to Integrated Ph.D. programme can exit the programme if he/she has successfully completed all the 6-8 courses. This will be considered by the Academic Council on specific recommendations of the research supervisor. The candidate shall submit a thesis for M. Tech. degree and viva-voce examination will be conducted by examiners appointed by DSU. On successful completion, the candidate shall be awarded the M.Tech. degree in the relevant discipline.
- J) Ph.D. candidates shall involve in 4-6 hours per week of actual teaching through teaching assistantships or similar means of knowledge dissemination. For instance, departmental teaching, supervision of fellow students or technical staffs are also considered as knowledge dissemination and work commitment.
- K) 30 days of attendance per year is mandatory for Part-time Ph.D. Candidates and full attendance as per University norms is required for full-time Ph.D. Candidates.
- L) Course work papers may be framed as shown below for both part-time and full-time Ph.D., candidates.

**Compulsory courses:**

SI. No.	Course Title	Credits
1.	Research Methodology	3 credits
2.	Research Writing, Research and Publication Ethics	3 credits
3.	Core Research Paper 1	4 credits

**Non-Compulsory courses:**

SI. No.	Course Title	Credits
1.	Core Research Paper 2	2 credits

2.	Seminars/conferences (Scholar should have presented his work in at least one national/international seminar/conference)	2 credits
3.	Online open courses (MOOC)	3 credits

- M) Syllabus for courses, Research methodology, & Research Writing, Research and Publication Ethics should be followed as per DSU norms. Syllabus may be downloaded from the University webpage.
- N) For all other courses, the Research supervisor shall take full responsibility to frame the syllabus with credit hours and shall discuss in front of the doctoral committee for approval.
- O) Course-work papers must be decided by the Doctoral committee (1<sup>st</sup> DC meeting) based on the area of research of the research scholar. The concerned research supervisor may frame the question paper; Centre for Research, DSU will conduct examinations, evaluate and submit the consolidated mark statements to the Controller of Examinations in a sealed envelope.

## 8.2. Comprehensive examination

After completion of the course work, the candidate shall appear for a comprehensive viva-voce examination, which will be conducted by the DC along with One external examiner as recommended by research supervisor and forwarded through Dean research and approved by the VC.

- a. The examination shall be conducted by the DC along with One external examiner
- b. The consolidated results (as approved or not approved) shall be forwarded to the Controller of Examinations by the Guide through Research section along with the minutes of the meeting. The Controller of Examinations, in turn, shall get the approval of the Vice Chancellor.
- c. "Whenever the methodology examination is skipped for various reasons whatsoever, the candidate shall comply with not exceeding two sittings within a period of six months: if not passed or not attended within the stipulated period of six months, the registration shall stand automatically cancelled. However, the candidate may have an option to obtain M.S. / M.Tech. degree subject to satisfying clause(s) 8.1.H / 8.1.I.

## 8.3. Research progress

a) Doctoral Committee shall meet every six months to review the progress of Ph.D., candidate.

b) All the candidates shall appear before the RAC in the University to make a presentation of the research work, following which; the committee shall approve the submission of synopsis. In case the progress of the candidate is unsatisfactory, the RAC shall record the specific reasons for the same and suggest corrective measures. If the candidate fails to implement these corrective measures, even by the next round of presentations, the RAC along with the consent of the concerned research supervisor may take further action.

c) Based on the approval of RAC, the candidate may submit the synopsis.

#### **8.4. Publications**

a) All the Ph.D. candidates shall publish two research paper from his / her topic of Ph.D. in peer-reviewed or UGC approved journals or indexed in SCOPUS/Web of Science and make two paper presentations in Conferences/Seminars before the submission of the dissertation/thesis for adjudication, and produce evidence for the same in the form of presentation certificates and/or reprints or acceptance letter from the Editor of the Journal.

b) The candidate may publish papers arising out of the thesis and in such publications the candidate must mention the affiliation with DSU in addition to other affiliations, if any.

c) The candidate without specific written approval from the University shall not publish the thesis as a whole.

#### **8.5. Submission of Synopsis:**

A) The research scholars are eligible to submit the synopsis with the approval of doctoral committee and RAC, subject to the fulfilment of the following:

- a. The candidate should have passed the comprehensive examination.
- b. The candidate should have published at least two paper or the manuscript must have been accepted for publication in a peer-reviewed or UGC approved journals or indexed in SCOPUS/Web of Science.
- c. The candidate should have presented the research work in two public seminars/conferences.

B) Synopsis shall be submitted through the guide, one month before the submission of the thesis.

C) Six copies of the synopsis along with duly filled in submission form shall be submitted with the prescribed fees. A soft copy in PDF format of the synopsis shall also be submitted as a CD/Flash drive. (6 copies)

D) The synopsis of the thesis shall include in brief Introduction, Aims, Objectives, Material & Methods, Observations, Inferences, Summary & Conclusions etc. with a minimum of 10 pages and maximum of 15 in A4 sheet, one sided in double line space and Font in size 12 of Times New Roman.

E) After the submission of synopsis, the candidate shall present the research findings to the RAC, all faculty members and other research scholars. The committee shall evaluate the content and quality of the research work of the candidate. Dean (Research) shall be the convener of RAC.

F) If the RAC recommends the submission of thesis, the candidate shall submit the thesis within 3 months from the date of RAC approval.

G) If the RAC suggests additional work or any other comments, the candidate shall carry out the same and submit the thesis conforming to the suggestions.

H) To this effect, the Guide has to certify that all suggestions are incorporated in the synopsis/thesis.

I) All the Ethical Clearances obtained shall be enclosed (both Animal Ethics Clearance & Human Ethics Clearance as the case may be).

J) The candidate shall submit a hard and soft copy of the synopsis in the prescribed format to the Dean (Research) through Research coordinator.

### **8.6. Thesis submission**

a) The title of the thesis mentioned in the synopsis is the final title and the same title has to be maintained in the final thesis to be submitted.

b) The candidate must have published or received acceptance for at least two papers as first author in peer-reviewed or UGC approved journals or indexed in SCOPUS/Web of Science and presented in two conferences before the submission of the thesis.

c. Copies of all the ethical clearances obtained shall be enclosed along with the informed consent forms, permissions / MOU from collaborating institutions / Collaborators to the Controller of Examinations at the time of submission of thesis.

d. Not later than SIX months after the submission and approval of the synopsis, every candidate shall submit SIX copies (hard copy) of the thesis along with the prescribed fee and application form. Six numbers (CD / Flash drive copy) of the thesis, as a single PDF file (high/good resolution) shall also be submitted along with hard copy.

e. The Thesis shall include

While submitting for evaluation, the dissertation/thesis shall have an undertaking from the research scholar and a certificate from the research guide attesting to the originality of the work, vouching that there is no plagiarism and that the work has not been submitted for the award of any other degree/diploma of the same Institution where the work was carried out, or to any other Institution. On submission of thesis, plagiarism check shall be made by the plagiarism committee and certificate will be issued to this effect.

f. The thesis shall have the following,

1) Introduction 2) Aims and Objectives 3) Review of literature 4) Scope and Plan of Work 5) Materials and Methods 6) Results and Discussion 7) Summary 8) Conclusion 9) Bibliography 10) Acknowledgement 11) Appendix

### **8.7. Examiners for thesis evaluation**

a) The research supervisor shall submit to the Dean (Research) at the time of thesis submission, a list of four International experts and four National experts along with postal and e-mail addresses. The suggested examiners should not be the co-

authors/collaborators of the research supervisor or DC members of the candidate. The Vice-Chancellor shall appoint one National and one international examiner to evaluate the thesis.

- b) The National and International examiners shall evaluate the thesis within two months and submit their comments. The final defense shall be conducted only after receiving positive recommendations from both the examiners.
- c) If one of the examiners recommends and the other does not recommend the thesis, the Vice-Chancellor shall refer the thesis to a third examiner for evaluation. If only the third examiner recommends the thesis, the final defense shall be conducted.

### **8.8. Evaluation of Thesis**

- a) The Board of Examiners so appointed shall evaluate the thesis and report on the merit of the work carried out by the candidate for the award of the Ph.D. degree and recommended as “Highly Commended”, “Commended”, “Not commended”, “revised and resubmitted” or “Rejected”.
- b) After the receipt of reports from the examiners, the guide has to consolidate all the evaluation reports and send it to the Dean Research.
- c) If any one of the examiners raised queries/suggested corrections, in this case, the guide has to certify that the scholar has made item wise clarifications for the queries raised/suggested corrections and the same has been incorporated in the corrected copies of thesis (3 Nos. of thesis & 3 Nos. of CD) and be sent to the Dean Research along with the consolidated evaluation reports for further processing. Upon scrutiny of the consolidated report permission will be granted to conduct the viva voce examination.

### **8.9. Final Defense or Public VIVA VOCE Examination**

- a) The Guide shall be appointed as convener of the Public Viva Voce Board.
- b) The viva-voce examination, based among other things, on the critiques given in the evaluation report, shall be conducted by the Research Guide and at least one of the two external examiners, and shall be open to be attended by members of DC/RAC, all faculty members, other research scholars and other interested experts/researchers from other institutions as well.
- c) The Public Viva-Voce Examination will be conducted by the department in the University premises.
- d) The list of attendees with their signature shall be obtained by the Convener and sent to the University along with the consolidated viva report duly signed by the convener and other examiner.
- e) The recommendation of the Viva Voce Board is essential for the final approval of the thesis.
- f) A candidate who is not successful in the Public Viva Voce Examination shall be permitted to retake the examination not earlier than one month and not later than three months from the date of first viva voce.
- g) A candidate shall not be permitted to take the Public Viva Voce Examination for the third time.
- h) A candidate who successfully defended the Public Viva Voce Examination shall be declared provisional Ph.D. qualification on the same day by the external examiner.

#### **8.10. Award of Ph.D.**

Consolidated report of the Ph.D. evaluation and the results of Public Viva Voce examination will be placed before the Board of Management for approval following which successful candidates deemed to be eligible to receive the degree of Doctor of Philosophy (Ph.D.) of this University. The date of defending thesis and the recommendation of the Viva-Voce Board shall be the date of award of the Degree. The successful candidate shall be notified and intimated through the supervisor. The candidate shall be conferred with the degree on applying for the convocation duly paying appropriate fee.

#### **9. Research ethics and integrity**

Candidates shall always maintain high standards of academic and research integrity. Any misconduct in the form of plagiarism, fabrication of data, falsification of results, violation of intellectual property rights, etc. shall result in the termination of the Ph.D. registration. The University shall also withdraw the Ph.D. degree awarded even at a later date, if such misconduct is proved.

#### **10. Clause for change in regulations**

The Research and Innovation Council of DSU may revise, amend, repeal, or change any or all of the regulations from time to time.