



**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERISTY
BHILAI**

Established under Act No. 25 of 2004

*(Added as New Ordinance and approval accorded by Hon'ble Governor on 10/07/2024)

ORDINANCE NO. 39

(Under Section 38)

Ordinance for Doctor of Science

1: Short title, application and commencement:

- 1.1 This Ordinance shall be called the Chhattisgarh Swami Vivekanand Technical University Doctor of Science (D. Sc.) - Ordinance 2024. It shall come into force from the date of approval of the Academic Council (AC), Executive Council (EC) and notified by the Chhattisgarh Swami Vivekanand Technical University.
- 1.2 The D. Sc. is the highest Post-Doctoral Degree (PDD) of the Chhattisgarh Swami Vivekanand Technical University.
- 1.3 The degree of D.Sc. is of a higher standing than either a Master's degree or the degree of Doctor of Philosophy (D.Sc.) and is awarded for work that makes an original, substantial and distinguished contribution to knowledge in a field with which the faculty is concerned. Work submitted for the degree normally comprises publications that have appeared in the forms of books (international publishers of repute) or research papers in scholarly journals (of international impact) that are then presented in the form of a thesis. The degree will give the applicant authoritative standing in that field and the right to general recognition of this standing by scholars in the field.
- 1.4 The degrees of D. Sc. shall be offered in the following Faculties/Subjects and inter-disciplinary Faculties/Subjects of the University:
 - (i) The University shall award D.Sc. Degree in the disciplines of Science, Engineering, Technology and other related areas covered under the Faculty of Science.
- 1.5 The degree of D. Sc. of the Chhattisgarh Swami Vivekanand Technical University shall be conferred on the candidates who fulfill the requirements as specified in these ordinances.
- 1.6 This Ordinance shall apply to the D. Sc. Programme conducted in different disciplines/faculties at the University Post Graduate (PG) Departments/University Schools of Chhattisgarh Swami Vivekanand Technical University.
- 1.7 The degree of Doctor of Science (D.Sc.) may be granted in any discipline belonging to any Faculty of Chhattisgarh Swami Vivekanand Technical University (hereinafter: University), in which Post-Graduate studies and/or research is available at the University or at its affiliated Colleges/Institutions that are recognized as Research Centers by the University.

2: Constitution of Post-Doctoral Departmental Research Committee (PDDRC):

There shall be post-doctoral research committee(s) for Admission monitoring the research progress and Programme at the School/University level for each faculty.

2.1 PDRC committee shall be constituted as:

1	<i>Head of the School/Department, for UTD or Principal/Director for affiliated Colleges/ Institutions of the University</i>	<i>Chairman</i>
2	<i>Head of the concerned department for affiliated college/institution provided that the Head of the department holds a Doctorate degree in the relevant discipline</i>	<i>Member</i>
3	<i>Two faculty members from the UTD/Research Center/any other Institute who are recognized D.Sc. Supervisors</i>	<i>Members</i>
4	<i>One member nominated by the Kulpati/Vice Chancellor must be an external member from the Govt. Institution/Organization</i>	<i>Member</i>

Three (03) professors including the Chairman will form the quorum.

The screening cum selection committee will interact with the applicant to ascertain his/her interest in pursuing the post-doctoral and recommend the candidate for admission if found suitable. Any candidate recommend for admission shall require the approval of Hon'ble Vice-chancellor.

2.2 Post-Doctoral Research Degree Committee (PDRDC):

A Post-Doctoral Research Degree Committee (PDRDC) for each faculty at the University shall be constituted as:

- i. Chairperson: Vice Chancellor/Kulpati nominee
- ii. Member: Dean of the concern Faculty
- iii. Member: Chairman, Board of Studies in the subject
- iv. Hon. VC Nominee: Outside Govt. expert members of high standing from other than Chhattisgarh Swami Vivekanand Technical University

This Committee shall have the following responsibilities:

- (i) Take decision on the list of eligible/ineligible candidates as prepared and notified by the PDDRC Committee.
- (ii) Take Personal Interview/Viva-Voce (PI/VV) of those that have qualified in the eligibility at the Chhattisgarh Swami Vivekanand Technical University, Bhilai for recommending the names for admission.

- (iii) To assign advisor/co-advisor to the D. Sc. research scholar.
- (iv) To review the post-doctoral research proposal and approve the title and topic of post-doctoral research.
- (v) To guide the research scholar to develop the study design and methodology of post-doctoral research and identify the course(s) that he/she may have to do.

3: Six-monthly progress Report:

- 3.1 Research scholar shall appear before the PDDRC once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. The six-monthly progress reports shall be submitted by the PDDRC to the University with a copy to the research scholar.
- 3.2 In case the progress of the research scholar is unsatisfactory, the PDDRC shall record the reasons for the same and suggest corrective measures. The matter will be forwarded by PDDRC. If the research scholar fails to implement these corrective measures, the PDDRC may recommend to the University with specific reasons for cancellation of the registration and admission of the research scholar or delay the semester progression.
- 3.3 The recommendations of the PDDRC shall be referred to the Hon'ble Vice Chancellor and then subsequently shall be placed before the Academic Council and the Executive Council for necessary action, if required and deemed to be fit.

4: Eligibility:

- 4.1 As D. Sc. Degree is the highest Post-Doctoral degree of the Chhattisgarh Swami Vivekanand Technical University, a candidate seeking admission to D. Sc. Programme of the University, must have pursued outstanding research in the concerned discipline and obtained the minimum qualifications required for admission as mentioned below.
 - (i) Must have obtained a Ph. D. degree from this University or from any other UGC/AICTE recognized University of the country or from a foreign University of standing in the concerned discipline, at least five years prior to the date of application.
 - (ii) Must have done post-doctoral research work, and must have made significant contribution to research in the concerned discipline as evidenced by research publications. He/She must have published 10 (ten) research papers in Unpaid SCI/Scopus/ WoS indexed journals as a first author, a corresponding author or a co-author after completing his/her D.Sc. study.

OR

Must have done post-doctoral research work and must have made significant contribution to research in the concerned discipline as evidenced by 2 (two) patents granted in relevant discipline after completing his/her D.Sc. study.

OR

Must have done post-doctoral research work and must have made significant contribution to research in the concerned discipline as evidenced by successfully completed 3 (three) national/international major research projects each of Rs. 30 lakh and above as a principal investigator and/or as a coordinator.

OR

Must have done post-doctoral research work, must have made significant contribution to research in the concerned discipline as evidenced by successfully guided 5 (five) Ph. D. scholars in relevant discipline and his/her research work and efforts should have national and international recognition and have made a distinct contribution to the society and advancement of knowledge. Must have published 10 (ten) research publications in Scopus/ WoS/ UGC CARE indexed journals on his/her credit after completing his/her D.Sc. study or by having published 10 (ten) books/monographs with internationally reputed publishers in relevant discipline after completing his/her D.Sc. study.

Note: Publication in Conference proceedings, Abstract, Article in a Newsletters/ Magazines/ Newspapers will not be considered as a part of Research Publications to determine the eligibility for the said programme.

4.2 A candidate who has obtained his/her Ph. D. degree in the faculty of Technology of this University or of any other University, recognized as equivalent thereto, may be allowed to register for the D. Sc. degree in the Faculty of Science subject to fulfilling all other applicable criteria for admission and the approval from Hon. Vice Chancellor.

4.3 Multi/Intra/Inter disciplinary Post-Doctoral Research:

- (i) Multi/intra/Inter disciplinary post-doctoral research in Science/Engineering/ Medical/Paramedical/Arts/Humanities/SocialSciences/Education/Law/ Linguistics etc. shall be encouraged.
- (ii) In many emerging areas that are multi/ intra/ inter disciplinary in nature, opportunities shall be provided for post-doctoral research and D. Sc. studies. A candidate applying for such emerging areas shall specify the specific discipline in which he/she intends to pursue post-doctoral research, the subject of research being wholly or partly related to the subject of his/her Ph. D. degree qualified by the candidate. The admission under such emerging areas shall be considered only on the basis of proven ability and aptitude of the candidate for such level of research before the PDRAC after fulfilling all other applicable criteria for admission subject to the approval by the Hon'ble Vice Chancellor.
- (iii) A Candidate who proposes to carry out research work in Multi/intra/inter disciplinary areas shall be permitted to have an advisor on the recommendation of the PDRDC. The advisor could be from the same or a different department of Chhattisgarh Swami Vivekanand Technical University or from any other recognized University/institution in India or abroad.
- (iv) Hon'ble Vice Chancellor may approve, based on the recommendation of PDRDC, change to another faculty/subject other than the one in which the candidate has obtained his/her Ph. D.'s degree, and granting registration to such scholar for the D. Sc. degree in an allied/ different/ concerned subject on a case to case basis.

4.4 Any eligible and dully admitted candidate can pursue the D. Sc. degree along with his/her regular full-time/part-time/contractual/adhoc type of job/service/ assignment. For in-service candidate, No Objection Certificate is required from his/her present employer.

5: Procedure for admission:

5.1 There is no fix number of available seats for each subject for D. Sc. Programme in the

University.

- 5.2 The University shall notify D. Sc. admission announcement on the University website or by an advertisement in the leading newspapers or on electronic media.
- 5.3 The candidates seeking admission to D. Sc. programme of the University shall have to fill up the prescribed admission form designed by the Chhattisgarh Swami Vivekanand Technical University time to time and submit the same within the prescribed date specified in the admission announcement.
- 5.4 Those that have applied and qualified in the eligibility shall have to appear before the PDDRC for Personal Interview/Viva-Voice (PI/VV) at the Chhattisgarh Swami Vivekanand Technical University as per the scheduled time and place specified by the Chhattisgarh Swami Vivekanand Technical University.
- 5.5 Only highly potential candidates shall be admitted to the D. Sc. Programme based on the merit position of the eligible candidates. Merit position shall be decided after completion of the entire process of Personal Interview/Viva- Voce (PI/VV).
- 5.6 The admission process shall be conducted twice in a year. The first term/semester admission process is expected to be completed by 31st August/or as may be decided by Hon'ble Vice Chancellor and the second term/semester admission process by 31st January/or as may be decided by Hon'ble Vice Chancellor for every academic year.
- 5.7 The qualifying marks for the Entrance Test and Personal Interview will be 50% individually. Candidates exempted from test will be assessed through Personal Interview based on presentation and interaction on area of interest before DRC.

The interview/viva voce shall also consider the following aspects, viz. whether:

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

At the time of PI/VV the candidates are expected to discuss their research interest/area/content before the PDDRC.

Candidate who is applying for D. Sc. in multi/ inter/ intra disciplinary subject has to appear and pass PI/VV in the subject for which he/she wants to take admission for D. Sc.

The passing standard in PI/VV is 50% for all categories and all faculties.

The admitted candidates shall have to pay the prescribed fees within 15 days (or date specified) from the date of offer of admission, failing which the admission shall be considered to be cancelled.

6: Allocation of Research Advisor:

- 6.1 The short-listed candidates in the merit lists shall not have any automatic right for admission and enrolment for D. Sc. Programme of the University. This shall be subject to availability of resources/ infrastructures etc. with the University.
- 6.2 A Scientist/ Director in the regular service not below the rank of a University Professor, working in a State or Central Research Institute/ Organization/ Establishment/ Laboratory recognized by the University as a research centre, who has obtained a Doctorate Degree in the subject and fulfills the criteria 4.1(i) and (ii).

- 6.3 Scientists in the regular service in research laboratories of Central/State Government located generally in the geographical jurisdiction of University may also be approved as Research Supervisor/Co Supervisor and the Scientist in Grade–D, Grade-E and Scientist Grade F & G are equated as Professor, exclusively for the purpose of research supervision, subject to fulfillment of other requirements stipulated in these Regulations.
- 6.4 Provided that a recognized Advisor/Co-advisor who fails to publish at least two research papers during last five years in Unpaid SCI Journals/ in Scopus database, shall not be eligible to enroll a new candidate under his/ her supervision.
- 6.5 Provided that the persons who have been recognized as Advisor/Co-advisor shall not be eligible to supervise after their superannuation though they would continue to Supervise already registered candidates with them prior to their superannuation. However, in this case the superannuated faculty, with the permission of the Chairman of PDDRC, shall have to opt for an additional Co-advisor, who is in service, in University.

The Co-advisor can be from outside the jurisdiction of the university as well.

- 6.6 The Advisor should be a Regular Faculty Member of an affiliated Institute of University (within the University).

The external Supervisors are not allowed. However, Co-supervisor can be allowed with the approval of the RDC on recommendation of DRC in inter-disciplinary areas from any Institute/ Organization/Laboratory within or out of University/ Foreign University with good Academic record and fulfills the criteria 4.1(i) and (ii).

- 6.6 Provided further that a person who is himself registered for D.Sc. degree of the University in the subject shall not be eligible to act as Advisor/Co-advisor in the concerned subject or member of the PDDRC/PDRDC related to the concerned subject mentioned in this Ordinance.
- 6.7 A full time Professor, satisfying all conditions of Ordinance and working in a department of a college/center affiliated to University which is not a recognized research Centre in his/her discipline, and working as a Research Advisor in D.Sc. Programme of University at a nearby research Centre of the University in the same discipline, shall be appointed as Co-advisor.
- 6.8 A Professor as Research Advisor/Co-advisor, at any given point of time, shall guide not more than 8 (Eight) D.Sc. scholars.
- 6.9 A candidate can do independent research work. However, upon the request of the candidate or upon the recommendation of PDRDC, the University may provide an Advisor/Co-Advisor.
- 6.10 If PDRDC files appropriate that it is required to assign an Advisor for better implementation of the programme, they may assign Advisor/co-advisor irrespective of candidate's choice and remain binding to the scholar.
- 6.11 The allotment/allocation of advisor, if needed/ Hon'ble Vice Chancellor assigned, shall not be left to the individual candidate or advisor. The PDRDC shall have the sole authority to decide the allocation of advisor to a candidate, subject to availability of academic/laboratory resources/expertise etc. including the acceptance by the concerned advisor, the number of candidate per advisor, required infrastructure, research interest of the scholar as indicated in the PI/VV. It may, however, consider the choice indicated by the candidate in the application, if found feasible.

7: Procedure for Registration:

- 7.1 As soon as the candidates are admitted to the D. Sc. programme, they shall be provisionally registered for the programme. After the title clearance by PDRDC, their D. Sc. registration shall be confirmed.
- 7.2 A candidate admitted to the D. Sc. programme as per the procedure described earlier shall be registered as a D. Sc. scholar by the University. The period of registration shall start from the date of admission.
- 7.3 The candidate shall be required to finalize and submit a brief research proposal of about 1000 words containing the title, significance and scope of the topic, rationale, justification, national-international status, theory and research methodology/ techniques involved, references, bibliography, place of research, etc.
- The PDRDC shall either confirm the acceptance of the research proposal or ask the scholar to make necessary changes.
- 7.4 Once the topic and proposal is finalized, the scholar will be required to fill up the prescribed registration form with the required fees.
- 7.5 A registered D. Sc. scholar shall not be allowed to pursue any other course/programme from any University simultaneously. If any such violation is noticed, the registration of the scholar shall be cancelled automatically.
- 7.6 A scholar shall not be permitted to submit a D. Sc. thesis for which a degree has been conferred on him/her in this or in any other University. But a scholar shall not be precluded from incorporating any work which he/she has already submitted for a degree in this or any other university, in a thesis covering a wider field, provided that he/she shall indicate in a written statement accompanying the thesis any work which has been so incorporated.

8: Duration of the Programme:

- 8.1 The duration of the programme shall be from the date of Registration, i.e., when the candidate is registered to the D. Sc. programme after the payment of fee.
- 8.2 Minimum duration of the programme is four semesters/terms (two years) after which the D. Sc. thesis can be submitted.
- 8.3 The maximum duration of the D. Sc. programme shall be for a maximum period of four years.
- 8.4 The women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of one years for D. Sc. in the maximum duration. In addition, the women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of D. Sc. for up to 240 days.
- 8.5 In case a candidate does not submit his/her thesis within Four (04) Calendar years from the date of registration and does not apply for extension on time, his/her registration shall stand automatically cancelled. Provided that the period for submission of thesis can be extended by One (01) Year by the Kulpati/Vice Chancellor, if he/she applies for extension within one month after the expiry of registration period together with the prescribed fee. In case the candidate does not submit his/her thesis within the extended period, his/her

registration shall stand automatically cancelled.

- 8.6 Provided also that Kulpati/Vice Chancellor may permit a candidate to get re-registered on the same topic on payment of the prescribed re-registration fee. The minimum period of 24 months and attendance shall not apply to such re-registered candidate.

9. Structure of Fee for D. Sc. Programme:

- 9.1 Fee structure shall be applicable for D.Sc. as per the University Ordinance No. 08.
- 9.2 The candidate to be admitted to the D. Sc. Programme shall have to pay the Prescribed fees as stated above or as modified by the University from time to time.
- 9.3 The fees once paid shall not be adjusted or refunded under any circumstances even, if the candidate cancels the admission.

10: Research Centers where post-doctoral research can be done:

- 10.1 A candidate may be permitted to pursue post-doctoral research for the D. Sc. degree from teaching department – Research Center of Chhattisgarh Swami Vivekanand Technical University.

11: Cancellation of Registration:

- 11.1 A candidate can cancel his/her registration by submitting formal application duly forwarded and recommended by concern advisor/dean of the faculty.
- 11.2 The D. Sc. registration of a scholar is liable to be cancelled for any of the following reasons:
- (i) Violation of discipline, conduct and rules of the Institute/ Department/ School/ University.
 - (ii) Non-submission of the D. Sc. thesis within the stipulated period.
 - (iii) Non-conformity with the rules/regulations/ordinances of the D. Sc. programme.
 - (iv) Giving false information at the time of application/admission/registration.
 - (v) Registration may also be cancelled on the recommendations of the PDRDC on account of lack of progress as reported by the Advisor/Co-Advisor and also after giving due opportunity to the scholar for defending his/her case.

12: Change of Topic and Title:

- 12.1 If any minor change of topic/title becomes necessary to address the desired objectives, the PDRDC may, on the recommendation of the Advisor/Co-Advisor, if any, permit to change the topic/title, prior to submission of the thesis with the permission of Hon'ble Vice Chancellor.
- 12.2 The major change in the topic is to be approved by PDRDC and scholar has to work for four semesters/terms after the major change in topic/title is approved.

13: Progress Review:

- 13.1 The registered research scholar has to submit progress reports after every semester/term. The report shall include an elaborate description of the reading, writing, data collection or any other work done in relation to the research.
- 13.2 An independent scholar has to certify the report and mention in unambiguous terms whether the progress is satisfactory or not and whether the work done during the period

under consideration is relevant and adequate or not.

- 13.3 An advisor and/or co-advisor assigned, they are expected to certify the report submitted by the scholar and mention in unambiguous terms whether the progress is satisfactory or not and whether the work done during the period under consideration is relevant and adequate or not. Only after the advisor's approval regarding the satisfactory progress of the work for two consecutive semesters/terms, the scholar shall be allowed to continue his/her research in the next semester/term.
- 13.4 The PDDRC shall meet to review the progress of the Post-Doctoral Research Programme of the scholar at the end of every semester/term.

14: Research Process:

- 14.1 The work of the candidate shall comply with the following conditions to merit the award of the degree:
- (i) It must be a substantial work making a distinct addition to learning in the concerned subject of the discipline.
 - (ii) It must be original in the sense of opening up new fields of research, or of making a marked advancement on the results of previous investigations, or of giving a new interpretation of the facts already known.
 - (iii) It must be a scholarly work of high quality.
 - (iv) It must be the work published in the form of research papers in Unpaid SCI/SCOPUS/ WOS listed journals of repute and/ or published in the form of books/ monographs, chapter contribution to books/ monographs, etc. with internationally reputed publishers, after the admission in the programme.
 - (v) It must be the work done after obtaining the Ph. D. degree as well as after the admission in the programme.
 - (vi) It must be the work done during the tenure of the D. Sc.
 - (vii) It must not be the work, which has been previously submitted for a degree or a diploma in this or in any other University.
 - (viii) It must not be the work under consideration for a degree or a diploma in this or in any other University.
- 14.2 After completion of research work the D. Sc. scholar shall produce a thesis within a reasonable time as stipulated by the University.
- 14.3 The D. Sc. programme culminates with the submission of a thesis of a substantial work of original research carried out by the scholar. This research work is expected to be potentially fit for publication and should stand peer review.
- 14.4 The scholar shall state generally in the preface and specifically in notes, the sources from which the information is derived, the animal and human ethical approvals, obtained, if any, the extent to which the work of others has been made use of, and the portion of the work the researcher claims as original.
- 14.5 The D. Sc. scholar shall publish a minimum of 02 research papers as a first author in a Unpaid SCI/minimum 03 research paper in 01 SCI and 02 SCOPUS/WoS listed before the submission of the thesis for adjudication and produce evidence for the same in the form of

acceptance letter from the publisher or the reprint/copies of the publication.

- 14.6 It is mandatory for the scholar to mention address of the concern department/school of the Chhattisgarh Swami Vivekanand Technical University either as a primary or secondary address in each publication resulted from the work. This is mandatory because scholar is registered at the University and advisor/co-advisor is recognized by the University.
- 14.7 Requirements of publications and presentations shall not be valid for the D. Sc. without the citation of Chhattisgarh Swami Vivekanand Technical University.
- 14.8 The D. Sc. scholar shall submit all the necessary research work stated above and produce evidence for the same in the form of acceptance letters from the publishers or reprints/copies of the publication.
- 14.9 All the relevant documents shall be submitted at the time of submission of the thesis.

15: Requirement Before the Submission of Thesis:

- 15.1 Before submitting the thesis, a scholar has to produce Anti-Plagiarism Clearance Certificate as per the Anti-plagiarism and academic dishonesty policy of the Chhattisgarh Swami Vivekanand Technical University for the content of the thesis.
- 15.2 Every scholar shall submit with his/her thesis a certificate stating that the thesis submitted is a record of original research work done by the scholar during the period of study and that the thesis has not previously formed the basis for the award to the candidate of any Degree, Diploma or other similar titles and that the thesis represents independent research work on the part of the scholar. The work supervised by the advisor/co-advisor, the certificate is to be duly signed by them.
- 15.3 The process of the submission of thesis shall be as follows:
- | | |
|---------------------|--|
| Primary submission: | 03 copies (loose /spiral bound + 01 Soft copy (CD – pdf/word version): to be sent to the external examiners for evaluation. |
| Final Submission: | 03 hard bound copies + 01 Soft copy (CD - pdf /word version): With all necessary corrections and suggestions directed by the external examiners, academic information about the scholar, Registration and publication etc. |
- 15.4 The final thesis shall be presented in accordance with the following specifications:
- (i) The paper used for printing shall be of A4 size.
 - (ii) The printing shall be in a standardized form two side(s) of the paper with one and half line spacing with legible fonts and fonts size.
 - (iii) A margin of one inch shall be kept at right, left, top, and bottom of the page.
 - (iv) The title of the thesis, name of the scholar, degree, name of the advisor/co-advisor, Chhattisgarh Swami Vivekanand Technical University address, and the month and year of submission shall be printed on the title page and the front cover.
- 15.5 The colour of the cover should be preferably dark. Side cover bound should clearly mention “D. Sc. Thesis” on the top, name of the scholar, month and year of submission.

15.6 The thesis shall also contain certificates as per the proforma prescribed by the University.

16: Submission of the Thesis

16.1 Prior to submission of the thesis, the scholar has to make a pre-D. Sc. presentation in the department/university/institute that may be open to all faculty members and research scholars for feedback and comments which may be suitably incorporated, if necessary. The changes made to be certified by the advisor/co- advisor, if any.

16.2 The thesis shall be submitted to the University for Evaluation through the advisor(s) and forwarded by Head of the University Department/Head of the Institution.

16.3 Supplementary papers to the thesis, printed copies of any contributions to the knowledge of the subject or of any cognate branch of science that may have been published in journals or periodicals may also be included along with the thesis or given as bibliography.

16.4 List of Publication, Conference attended, Copies of Publication/Conference Certificate and Anti-Plagiarism Certificate.

17: Appointment of Examiners

17.1 The procedure for the appointment of examiners shall be undertaken soon after the scholar submits his/her thesis.

17.2 The thesis shall be evaluated by two external examiners for the all faculty,

17.3 The Advisor/Co-Advisor shall prepare a list of 06 examiners and examiners should be out of Chhattisgarh state.

17.4 Hon. VC shall appoint 02 examiners, as per the above norms, from the above list or he may also be appoint examiner other than the above list

17.5 The external examiners are expected to send the evaluation report within 02 month from the date of receipt of the thesis. In case of undue delay by the examiner to send the report, the University may, with the approval of Hon. VC, send the thesis to another external examiner.

18: Evaluation of the Thesis:

18.1 The Examiners who evaluate the thesis shall report on the merit of the scholar's thesis for the D. Sc. degree in one of the following terms:

- The thesis meets the academic standard of institutions of higher learning around the world. It may be accepted for award of the Ph.D. degree in its present form.
- The thesis is acceptable subject to clarification of certain points at the time of viva-voce. (List of points enclosed)
- The thesis is acceptable subject to modification/clarification/revision, as per enclosed details. After modification the thesis need not be referred back to me.
- The thesis is acceptable subject to further work/modification/substantial revision of text, as per enclosed details. After modification the thesis should be referred back to me for final assessment.
- The thesis does not meet the standards of comparable works in institutions of higher learning. It is not recommended for award of the degree.

18.2 Opinion of examiners on evaluation of the thesis:

- (i) In case both the examiners reject the thesis or one of them rejects the thesis and the other recommends a revision the thesis shall be rejected.
- (ii) If both the examiners recommend for the revision of the thesis the candidate shall be called upon to revise the thesis in the light of the observations of the examiners.
- (iii) If one examiner approves the thesis and the other rejects it or recommends for revision, the thesis shall be sent to the third examiner drawn from the panel of the examiners by Kulpati/Vice Chancellor. The opinion of the third examiner shall be final.
- (iv) In case both the original examiners accept the thesis for the award of the D.Sc. Degree or in the event of it being referred to the third examiner, the third examiner accepts the thesis for the award of D.Sc. degree, the candidate shall be called upon to appear at the viva-voce examination before a board of examiners comprising of the Supervisor, Co-supervisor (if any) and one of the two examiners selected by the Kulpati/Vice Chancellor who has accepted the thesis for the award of the D.Sc. Degree. Provided that the Kulpati/Vice Chancellor shall appoint the Chairman, DRC or Chairman, Board of Studies of the subject concerned to act as viva-voce examiner, in place of the Supervisor in case the candidate is related to the Supervisor.
- (v) The Supervisor, Co-supervisor, Chairman of DRC, Dean of the Concerned Faculty, Chairman of Board of Studies of the subject concerned, as the case may be, shall be communicated the date of the viva voce. The external examiner will be appointed by the Kulpati/Vice Chancellor to conduct the viva-voce examination at the University.

Provided in special circumstances, Kulpati/Vice Chancellor may appoint alternate viva-voce examiners if both the examiners are not in a position to conduct the viva-voce examination.

- (vi) The date, time and venue of viva-voce examination at the University shall be notified by the Registrar of the University under intimation to the Supervisor, Co-supervisor, the Candidate, Chairman of DRC, Dean of the Concerned Faculty, Chairman (BoS), at least a week in advance. University in consultation with external examiner should fix the date of viva-voce examination. At the time of viva-voce examination the board of examiners shall be provided with the reports of the examiners which shall be returned along with the report of viva-voce examination and record of attendance of the examination to the Registrar.
- (vii) The candidate shall present the work embodied in the thesis before the board of examiners, members of the faculty, research scholars and other interested persons. After the presentation of the research work the Board shall ask questions together with those questions which have been provided along with the reports of the examiners. Others in the audience can also ask questions and the candidate shall reply only those questions permitted by the external examiner.
- (viii) In case the recommendation of the viva-voce examiner differs from that of the thesis examiner or there is difference of opinion between the viva-voce examiners, the candidate shall re-appear at a second viva-voce examination within six months. If the candidate fails to satisfy the viva-voce examiners a second time, his/her thesis shall be finally rejected. Such candidates would be required to pay the prescribed

additional fee for the second viva-voce. The external examiner for second viva-voce shall be appointed by the Kulpati.

- (ix) If the examiners recommend that the candidate be asked to revise/improve his/her thesis, the Kulpati/Vice Chancellor shall permit the candidate to resubmit his/her thesis not earlier than three months and not later than twelve months the period being counted from the date of the issue of order to the candidate. The candidate shall be provided examiner(s) reports without disclosing the names of the examiners to enable him/her to improve the thesis. All the copies of the thesis shall be returned to the candidate.
- (x) In case the candidate is allowed to resubmit the thesis he/she will have to pay the prescribed fee afresh at the time of resubmission, but it shall not be necessary for him to reproduce any certificate of further attendance at the institution at which he/she carried out the work. The resubmitted three copies of the thesis must make clear mention that it is a revised version.
- (xi) The thesis shall be got examined as far as possible, by the examiners who recommended the revision.
- (xii) In case a candidate is asked to revise and one of the examiners recommends again for revision and the other accepts the thesis for award then the thesis shall be sent to the third examiner. If the third examiner rejects or recommends for revision, the thesis shall stand rejected. In case the third examiner accepts for award of Ph. D. degree, then the candidate shall be awarded the D.Sc. degree on completion of successful viva- voce examination.
- (xiii) If the revised thesis required to be revised a second time it shall automatically stand rejected.
- (xiv) In case a candidate is asked to revise and one of the examiners recommends again for revision and the other accepts the thesis for award then the thesis shall be sent to the third examiner. If the third examiner rejects or recommends for revision, the thesis shall stand rejected. In case the third examiner accepts for award of D.Sc.
- (xv) If the examiner/examiners insist on any correction/revision to be made in the thesis, the same shall be made by the scholar before the *open Viva voce* and certified by the scholar (and advisor, if any), which is to be forwarded through Head of the Department/Institute.

19: Open Viva Voce Examination:

- 19.1 In case both the original examiners accept the thesis for the award of the D.Sc. Degree or in the event of it being referred to the third examiner, the third examiner accepts the thesis for the award of D.Sc. degree, the candidate shall be called upon to appear at the viva-voce examination before a board of examiners comprising of the Advisor, Co-advisor (if any) and one of the two examiners selected by the Kulpati/Vice Chancellor who has accepted the thesis for the award of the D.Sc. Degree. Provided that the Kulpati/Vice Chancellor shall appoint the Chairman, PDDRC or Chairman, Board of Studies of the subject concerned to act as viva-voce examiner, in place of the Advisor in case the candidate is related to the Advisor.
- 19.2 The Advisor, Co-advisor, Chairman of PDDRC, Dean of the Concerned Faculty, Chairman of Board of Studies of the subject concerned, as the case may be, shall be

communicated the date of the viva voce. The external examiner will be appointed by the Kulpati/Vice Chancellor to conduct the viva-voce examination at the University. Provided in special circumstances, Kulpati/Vice Chancellor may appoint alternate viva-voce examiners if both the examiners are not in a position to conduct the viva-voce examination.

- 19.3 The date, time and venue of viva-voce examination at the University shall be notified by the Registrar of the University under intimation to the Supervisor, Co-supervisor, the Candidate, Chairman of PDDRC, Dean of the Concerned Faculty, Chairman (BoS), at least a week in advance. The Supervisor in consultation with external examiner should fix the date of viva-voce examination. At the time of viva-voce examination the board of examiners shall be provided with the reports of the examiners which shall be returned along with the report of viva-voce examination and record of attendance of the examination to the Registrar. The advisor/head of the University department shall give wide publicity for the same.
- 19.4 The candidate shall present the work embodied in the thesis before the board of examiners, members of the faculty, research scholars and other interested persons. After the presentation of the research work the Board shall ask questions together with those questions which have been provided along with the reports of the examiners. Others in the audience can also ask questions and the candidate shall reply only those questions permitted by the external examiner.
- 19.5 In case the recommendation of the viva-voce examiner differs from that of the thesis examiner or there is difference of opinion between the viva-voce examiners, the candidate shall re-appear at a second viva-voce examination within six months. If the candidate fails to satisfy the viva-voce examiners a second time, his/her thesis shall be finally rejected. Such candidates would be required to pay the prescribed additional fee for the second viva-voce. The external examiner for second viva-voce shall be appointed by the Kulpati.

20: Award of degree:

- 20.1 A candidate becomes eligible for the award of the D. Sc. degree after fulfilling all the academic requirements prescribed by the University.
- 20.2 The D. Sc. degree shall be awarded in the discipline of the Faculty in which the scholar is registered for the D. Sc. programme. The title of the D. Sc. thesis, name of the candidate, name of the advisor, if any, and subject/faculty shall be mentioned in the D. Sc. Notification.
- 20.3 If the thesis is recommended for award of the D. Sc. degree after the *open viva voce*, the Registrar, with the approval of the VC, shall declare the result in the form of notification.
- 20.4 A certificate to this effect shall be issued by the Registrar to the successful scholar.

21: Deposit of thesis with the AICTE/UGC and the Commissioner of Higher Education:

- 21.1 Following the successful completion of the evaluation process and announcement of the award of the D. Sc. by the University, the scholar shall submit, through the University a soft copy of the final version of D. Sc. thesis each to the UGC and to the Commissioner for Higher Education, Government of Chhattisgarh, within a period of 30 days, for record and for hosting the same in INFLIBNET accessible to all Institutions/Universities.
- 21.2 One hard/soft copy of the thesis shall be placed in the University Library and one hard/soft copy shall be sent to National Library. The scholar' name, title of the thesis and an

extended abstract shall be placed on the University website/depository by the University.

22: Recognition of D. Sc. Advisor

- 22.1 Any regular faculty member of school/department/college of the Chhattisgarh Swami Vivekanand Technical University who is holding D. Sc. degree may be recognized as post-doctoral research advisor for D.Sc. degree.
- 22.2 Any regular Professor of department/affiliated colleges fulfills the criteria 4.1(i) and (ii) of this ordinances may be recognized as post-doctoral research advisor for D. Sc. degree.
- 22.3 Hon. VC, on the recommendation of PDRAC may recognize any scientist institution by Chhattisgarh Swami Vivekanand Technical University, within the territorial jurisdiction of Chhattisgarh Swami Vivekanand Technical University and other Professor from Nationally Renowned Institutions/Universities as a D. Sc. advisor/co-advisor subject to fulfilling the criteria 4.1(i) and (ii) of this ordinances.

23: General Rules applicable:

- 23.1 The scholars shall follow the rules and regulations prescribed by the University from time to time, even if they are not included in these Ordinances. The University shall have the right to modify, change or add to the Ordinances, Rules and Regulations which shall be binding on the scholars.
- 23.2 The D. Sc. scholars shall be entirely responsible for any duplication or plagiarism/academic dishonesty or piracy occurring in the thesis. In case any such acts are detected even after the award of the degree, the scholar shall be held accountable for the irregularity and this may even lead to cancellation of the degree. The decision of the University in this regard shall be final and binding on the scholar.
- 23.3 If any differences of opinion/dispute develop between the scholar and the advisor at any time during the course of the research work, the decision of Hon'ble Vice Chancellor in the matter shall be final and binding on the scholar and the advisor.
- 23.4 Notwithstanding anything contained in these Ordinances, all matters related to the candidates shall be governed by the rules and procedures framed by the Academic Council/ Executive Council/ Hon. VC that are in force at that point of time.
- 23.5 Any doubt or dispute about the interpretation of these Ordinances shall be referred to the Vice-Chancellor, whose decision, in his capacity as the Chairman, Academic Council, shall be final.
