



VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY:ODISHA,BURLA

REGULATIONS FOR PH.D. PROGRAMME

1. Duration of Curriculum:

Doctor of Philosophy (Ph.D) programme is a research based degree programme of the University. A candidate showing enough of evidence on any one or more of the following will be considered for the award of the degree:

- i) Contributions to the existing body of knowledge.
- ii) New interpretations or new applications of existing body of knowledge.
- iii) New design of a product/instrument/device/process that is distinctly superior to the existing ones.

The minimum duration of research for admission to Ph.D degree programme shall, however be:

- i) Two years from the date of registration if the candidate is M.E/M.Tech/ M.Phil in a subject.
- ii) Three years from the date of registration if the candidate is B.E/B.Tech/ MCA/ M.Sc/MBA degree holder.

If a candidate has not been able to submit within six years if he/she is M.E/M.Tech/M.Phil and 8 years if he/she is BE/B.Tech/MCA/M.Sc/MBA from the date of enrollment, his/her enrollment shall automatically stand canceled. He/she may however go for fresh enrollment with possibly a fresh topic of research.

A regular teacher of VSSUT, Burla with a Ph.D degree can guide Ph.D. scholar. The maximum number of research scholars both part-time and full-time under a teacher shall not exceed for Professor-4, Reader/Sr.Lecturer-3, and Lecturer-2 at any point of time.

2. Eligibility for Admission :

One of the following shall be the eligibility criterion for the admission to Ph.D. programme of the University.

- i) M.E/M.Tech/M.Phil with minimum of 6.75 CGPA in 10 point scale (or 60% or more in aggregate) in Master's level and minimum of 6.75 CGPA (or 60% mark in aggregate) at the Bachelor's level.
- ii) B.Tech/MCA/M.Sc/MBA with uniformly good academic career and not less than 7.75 CGPA (70% marks) at Bachelor's/Master's level.
- iii) GATE qualified candidates (with not less than 85 percentile score)/NET qualified candidates with not less than 60% score at Bachelor's and Master's level.

Above requirements may be relaxed for the following :

- i) Faculty members employed on permanent positions of VSSUT, Burla having M.E/M.Tech/M.Phil.
- ii) Sponsored candidates with M.Tech/M.Sc./MCA/B.Tech/M.Phil with not less than 60% in Bachelor's level and Master's level working in National Laboratories, R&D/AICTE recognized degree institutions of the Central and State Government departments and R&D Laboratories of reputed industries in permanent positions with three years of experience.

Admission Procedure :

- i) The University shall advertise for selection of Ph.D scholar twice a year-one in December and the other in June every year.
- ii) The candidates will be selected for admission based on the performance in written test and interview by a Selection Committee constituted by the University. A broad discipline (e.g. Electrical Engineering, Mechanical Engineering etc.) will have a common selection committee.

3. Enrollment of candidates :

- Each admitted candidate shall be first enrolled as a research scholar of the University.
- For each enrolled candidate, there will be a Doctoral Scrutiny Committee (DSC)
- Each candidate must have a supervisor from VSSUT, Burla. There may be a co-supervisor from the same department or if a research topic is interdisciplinary in nature or the candidate wants to do a part of or full research in a R&D Laboratory/Research Institution / Industry / Academic institute.
- The candidate has to stay at least for a period of one year at the institute. He may be allowed to leave and submit from outside after his registration.

The Doctoral Scrutiny Committee(DSC) shall have the following composition:

- Head of the Department – Chairman
- Supervisor(s) – Member
- Two subject experts from other institutions (To be nominated by RPC)
- One member from the allied discipline of the University (to be nominated by RPC)
- On recommendation of the Head of the Department and Chairman, Research Programme Committee of the University, Vice-Chancellor shall approve the DSC for each candidate.
- The DSC shall meet once in a semester to review the progress of a candidate's work in an open seminar minimum once per semester where majority of the DSC members shall be present.
- The DSC shall monitor the progress and ensure that Ph.D regulations on the matter are strictly adhered to.
- For quorum, the presence of the HOD, Supervisor(s), at least one outside subject experts is necessary.

4. Course Work :

DSC will assign course work of 16 credit for specific B.Tech/M.Sc./MCA candidates. For M.Tech. candidates 8/12 credit course work is to be completed. If courses are not available, the DSC with the approval of the RPC may prescribe self study courses. All such self study courses have to be evaluated based on a written examination of 3 hours duration.

5. Registration of candidate:

A candidate on completion of course work shall submit a research proposal through DSC for consideration of RPC. Each such research proposal has to be evaluated through a comprehensive oral examination by DSC with a additional expert to be appointed by the RPC. Chairman RPC (Research Programme Committee) shall be its Ex-officio Chairman. On successful clearance of the Comprehensive Examination, a candidate shall register for Ph.D. degree of the University.

6. Evaluation of Synopsis and submission of Thesis:

- i) On completion of the work and minimum stipulated period (2 years for M.Tech. and 3 years for M.Sc./B.Tech.) from date of registration, the candidate shall submit synopsis through HOD alongwith the examiner list after evaluation of DSC members followed by a seminar.
- ii) The candidate is required to incorporate the necessary changes suggested by the DSC and submit at least 6 copies of the thesis in final form to the satisfaction of the DSC. The candidate should have at least two papers published in referred journals. The synopsis will be sent to the Examiner after the recommendation of the Vice-Chancellor.
- iii) Panel of Examiners: The DSC shall make list of Examiners in two separate panels: one from out side state and the other from abroad. Each panel shall have minimum 5 members. An External Examiner shall not be below the rank of a Professor and must have Ph.D and contribution in the line of Research or related areas. The confidential lists containing the panel of Examiners prepared by the DSC (confidentially) will be communicated to the Chairman, RPC who will approve the name of the Indian and Foreign Examiner.

7. Examination Process:

The synopsis shall be sent simultaneously to two Examiners, one from Indian panel and second from foreign panel. On receipt of their acceptance, the thesis shall be sent for evaluation. If an Examiner declines, another Examiner shall evaluate the thesis and give his recommendation in one of following three ways (Annexure-I).

- Accepted in the present form
- Accepted with suggested modifications
 - i) To be sent for review
 - ii) To be considered at the time of viva
- Rejected.

The examiner will be given one month for consent and two months for evaluation. In addition, he/she has to give his/her specific comments on strengths, weakness, scope of extensions and reasons behind his/her decision. If an Examiner suggests modification, the same must be done and the modified thesis within maximum of six months should be submitted for re-examination to the same Examiner or as per the recommendation of Examiner through DSC.

8. Award of Degree:

For award of the Ph.D degree to a candidate:

- a) The three reports from the Examiners must be favorable and unanimous
- b) If two are favorable, and the third is not, the thesis may be sent to another Examiner from the same panel (Indian or Foreign) and his/her decision shall be final.
- c) If two or more Examiners have reservations in awarding the degree, the thesis shall be rejected and the candidate shall not be awarded Ph.D degree.
- d) The report will be compiled by Dean, (PGS & R) and sent to Vice-Chancellor with recommendation.
- e) After examination of the thesis and receipt of the favorable report mentioned in 8(a) and 8(b) above, the DSC shall fix up the date of the Defense V/V in which the Indian Examiner (who has examined the thesis or another expert from the Indian panel in lieu of the Indian Examiner will be invited for viva.
- f) After getting the satisfactory performance report of the candidate in the viva-voce from the examiners as in 8(d), the DSC may recommend the case to the Vice-Chancellor.

9. Research Programme Committee:

i) Constitution

Research programme committee shall have the following members (RPC)

- Vice-Chancellor of the University, Ex-officio – Chairman
- Dean (PGS & R)
- Two members from Academic Council of the University (Dean, Students Welfare & Dean, Academic Affairs)
- The tenure of the Committee shall be 3 years and shall be appointed by the Vice-Chancellor of the University.

ii) Functions:

The functions of the RPC shall include:

- Formulating Ph.D programme administration rules.
- Evaluating proposals for enrolment, registration and periodic review reports on progress.

10. The RPC of the University may permit a teacher of VSSUT, Burla with at least 5 years of teaching experience in VSSUT to enroll and work independently for Ph.D degree provided he has published some research papers on the topic of his research at least one paper in a referred International Journal of repute prior to his date of enrollment and fulfill other eligibility criteria. The DSC for such candidate will constitute:

- HOD – Ex-Officio Chairman
- Two subject experts – (To be nominated by DSC and approved by Vice-Chancellor)
- One member of the allied discipline of the University to be nominated by the DSC
- Supervisor(s)

By order of Vice-Chancellor
VSS UNIVERSITY OF TECHNOLOGY, ODISHA