



GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA

*An Autonomous College u/s 2(f) and 12(B) of UGC Act,1956
Institute Accredited by NAAC ('A' Grade) under UGC and TCS,
AICTE Approved, Punjab Govt. Aided Status, Affiliated to IKG Punjab Technical University, Jalandhar,
ISO:9001-2008 Certified, UG Programmes accredited by IEI

REGULATIONS FOR MASTER OF TECHNOLOGY

- 1.1 The duration of the programme for the Degrees of Master of Technology (M.Tech.) for regular candidates shall be three semesters (18 months). The maximum period in which such a candidate must qualify in the course work shall be two academic years, failing which he/she shall not be allowed to continue his / her studies for the programme.

Provided that the time limit for the thesis shall be as given in Regulation 7.3 (a).

- 1.2 The duration for the Part-time course for the Master of Technology Programme in case of a candidate working as a teacher in the University Department or a College affiliated to the University in the Faculty of Engineering & Technology or an Engineer working in the Department/ Industry/ Laboratory within the jurisdiction of the University, shall be a minimum of two academic years. The maximum period in which such a candidate must complete course work shall be four academic years, failing which he / she shall not be allowed to continue his / her studies for the programme.

For completing the Thesis, time limit shall be as given in Regulation 7.3(b).

- 2.1 The examination for the degree of Master of Technology shall be held twice in an academic year at the end of each semester. The examination for each semester shall be held in November/ December and April / May on dates fixed by the University.
- 2.2 The last dates for receipt of examination admission forms and examination fees without and with late fees of Rs. 500/- and Rs. 1000/- respectively shall be fixed by the University.
- 3.1 A person holding the following qualifications shall be eligible for admission to the programme for the degree of M. Tech. :

- (a) Bachelor of Technology or equivalent degree with at least 50% marks in the aggregate in the appropriate branch prescribed for admission to M.Tech. Programme from the Punjab Technical University on the basis of merit in GATE examination.

or

- (b) Bachelor of Technology or other equivalent degrees from another University in the branch selected for the Master of Technology Programme, recognised by the University for purpose of admission to this Programme with at least 50% marks on the basis of GATE score.

or

- (c) A candidate who has passed A and B sections of Institution of Engineers (India) Calcutta examination or I.E.T.E Graduate examination conducted by the Institution of Electronics & Telecommunication Engineers, New Delhi with atleast 50% marks after having passed the Diploma examination and has at least 5 years professional experience with a valid GATE score may be admitted to M. Tech. programme of the University.

or

(d) Admission against the unutilised seats of M.Tech. Programme shall also be made on the basis of merit in the Entrance Test conducted by the University Department / College affiliated to Punjab Technical University, Jalandhar.

3.2 A teacher working in the University Department or a College affiliated to the University or an Engineer/Scientist working in a Department/ Industry / Laboratory within the territorial jurisdiction of the University may be allowed to join the M.Tech. Programme on having obtained atleast 50% marks in Bachelor of Technology and at least two years teaching/professional experince. He / she shall register himself / herself for the first semester examination before beginning to attend the lectures and sessional work etc. He / she shall, however, not be allowed to register for more than three subjects in any semester subject to a maximum of five subjects during one academic year.

4.1 A student who possesses the qualifications laid down in regulation 3, has remained on the rolls of the University or of a College affiliated to the University of Master of Technology Programme in the branch of Engineering selected by him / her for the academic term of the semester concerned, and produces the following certificates signed by the Head of the Department or by the Principal of the College, as the case may be, shall be eligible to appear in the examination of that semester :

(i) of good moral character.

(ii) of having attended, of each course, not less than 75% of the lecturers and 75 % of the total sessional-work, in tutorials, design, laboratory work, and seminars and of having acquainted himself / herself creditably in all the exercises or periodical examinations conducted in the University Department or the Colleges, as the case may be, from time to time.

4.2 A deficiency in the required number of lecturers and practicals may be condoned up to 10% by the Head of the University Department/ Principal of the College, as the case may be.

4.3 In case the attendance of a regular student falls below 75% in any course during a month, he/she will not be paid Assistantship for that month. Further, if his/her attendance again falls short of 75% in any course in any subsequent month in that semester, his/her studentship and assistantship will be terminated.

3. The amount of admission fee to be paid by a candidate shall be

(i) Rs. 500/- for each semester, and

(ii) Rs. 500/- for the thesis.

1.1 Every candidate shall be required to satisfy the following requirements :

(a) He/She will have to pass in all the ten theory papers and sessional part of it.

(b) He/She will have to clear the seminar, and

(c) A Thesis to be submitted to the University.

Further that:

- All subjects will be of equal weightage.
- For the evaluation of each subject, there will be 50 marks per internal assessment and 100 marks for the end semester University Examination. In addition to the ten papers, there will be a seminar with weightage of 100 marks; out of these 50 will be assigned to the continuous evaluation and 50 to the end semester examination. The end semester examination will be conducted by two experts appointed by the Head of the Department from amongst the Teachers of the Department.
- There will be no weightage of marks for the Thesis. Its evaluation will be in the form of thesis accepted with Distinction, Accepted, or Rejected.

1.2 A candidate will have the option for the award of Post - Graduate Diploma after completion of ten papers and seminar. Provided further that such a candidate can seek readmission within a maximum period of five years from the date of PG Diploma, to pursue thesis work for the award of M.Tech. degree.

1.3 English shall be the medium of examination.

7.1 The candidate shall prepare his/her thesis under the supervision of the teacher concerned in the University Department/ College. If, however, the Head of the Department/ Principal is satisfied that facilities for preparing the thesis exist elsewhere (recognised by Punjab Technical University, Jalandhar), he / she may allow the candidate to prepare his / her thesis there, and his / her period shall count towards the requirement for the Master's Degree Programme, but the candidate shall spend for completing his / her thesis, a minimum period of four weeks, under the direct supervision of his / her teacher. In such a case, the candidate will be allowed to have supervisor from the concerned Institution.

7.2 In case the thesis supervisor leaves the College / University Department, and joins some other Institution affiliated to Punjab Technical University, or some R & D Organisation within the State of Punjab, he / she may continue to guide the thesis work of the candidates registered with him / her.

7.3 The thesis shall present an orderly and critical exposition of the existing knowledge of the subject or shall embody results of original investigation and shall demonstrate the capability of the candidate to do independent research work. While writing the thesis, the candidate shall lay out clearly the work done by him / her independently and the sources from which he / she has obtained other information contained in his/ her thesis.

7.3(a) The thesis shall be submitted by the candidate at any time during the third semester of the course provided that he / she has appeared in all the theory papers up to the third semester examination. The result of the thesis shall be declared after the candidate passes in all the theory papers. In case the candidate's thesis is rejected, or he / she is unable to complete the thesis in the third semester he / she will be allowed one year more time at the maximum for submission of thesis or its revision.

Provided further that the extension beyond the above limit but not exceeding six months may be allowed by the Vice - Chancellor on the recommendation of the Principal/ Head of the University Department, as the case may be.

7.3(b) The thesis shall be submitted by a part -time candidate at any time during the fifth semester of the course provided that he / she has appeared in all the theory papers upto the fourth semester examination. The result of the thesis shall be declared after the candidate passes in all the ten theory papers and the seminar. In case thesis is rejected or he / she is unable to complete the thesis in the sixth semester he / she will be allowed to submit the thesis within five years from the date of admission.

Provide further that the extension beyond the above limit but not exceeding one year may be allowed by the Vice - Chancellor on the recommendation of the Principal / Head of the University Department, as the case may be.

7.4 Panel of examiners for viva - voce examination of the thesis:-

Internal Examiner - Supervisor

External Examiner - To be appointed by the Vice - Chancellor from a panel of three examiners submitted by the supervisor through the Principal / Head of the University Department to the university.

The thesis examination will be conducted in open public defence.

8. Successful candidates shall be classified as under :-

(a) Those who obtain 75 % or more of the aggregate marks of all the theory papers and the sessionals and also if the thesis has been adjudged to merit distinction. Provided that the candidate has cleared the examination in each subject at the first attempt (i.e. the first time when a candidate actually takes the University examination in the concerned subject)

- First Division with Distinction

(b) Those who obtain 60 % or more of the aggregate marks of all the theory papers and sessionals, but are not entitled to be classified as having been placed in First division with Distinction

- First Division

(c) Those who obtain less than 60 % of the aggregate marks of all the theory papers and the sessionals but not less than 40 % in each theory paper and 40 % in the sessional part of each paper

- Pass

Note : - Regulations of Punjab Technical University, Jalandhar are subject to periodic review and change from time to time.

Amendment 1 (Approved in 24th Academic Council meeting)

| | | |
|------|---|--|
| 24.3 | To brief on decision taken in 21st meeting of BOG | <p>The council was briefed on the minutes of BOG</p> <p>1) Regulations for B. Tech. & other courses.</p> <p>The Registrar informed the council that maximum duration for completing any of the course had been enhanced to twice the duration of the normal courses and that this provision had also been extended to the students who had already passed out from the PTU system but had not fulfilled the</p> |
|------|---|--|

| | | |
|--|--|---|
| | | <p><i>requirement for award of degree. Such students could take additional chances in respect of such students could be avail only during the period January 01-2006 to December 31-2007 and also only wherever the University is conducting the examination in the subject.</i></p> <p>2) Approval of the BOG on Academic Council recommendations (Maximum nos of courses that can be taken in any particular semester)</p> <p><i>The Chairman clarified that such restrictions for taking examinations is only 10 subjects was restricted to students who had been detained because of shortage in attendance.</i></p> |
|--|--|---|

**Sd/-
Dean Academics**