

## THE PART TIME MASTER OF TECHNOLOGY (Quality Improvement Programmes In Engineering)

<b>OMQ 1</b>	<b>TITLE OF THE COURSE</b>
<b>OMQ 1.1</b>	The Course shall be called Part Time Master of Technology Quality Improvement Programme abbreviated as M.Tech. (Part-Time QIP) (Subject of specialization)
<b>OMQ 2</b>	<b>DURATION OF THE COURSE</b>
<b>OMQ 2.1</b>	<p><b>First Semester:</b></p> <ul style="list-style-type: none"> <li>i) Class work according to the scheme - 18 weeks</li> <li>ii) Examination and vacation - 5 weeks</li> </ul> <p><b>Second Semester:</b></p> <ul style="list-style-type: none"> <li>i) Class work according to the scheme - 18 weeks</li> <li>ii) Examination and vacation - 5 weeks</li> </ul> <p><b>Third Semester:</b></p> <ul style="list-style-type: none"> <li>i) Class work according to the scheme - 18 weeks</li> <li>ii) Examination and vacation - 5 weeks</li> </ul> <p><b>Fourth Semester:</b></p> <ul style="list-style-type: none"> <li>i) Class work according to the scheme - 18 weeks</li> <li>ii) Examination and vacation - 5 weeks</li> <li>iii) Industrial Training - 8 weeks</li> </ul> <p><b>Fifth Semester: 20 weeks</b></p> <ul style="list-style-type: none"> <li>i) Class work &amp; Project Phase-I -16 weeks</li> <li>ii) Examination and Vacation - 4 weeks</li> </ul> <p><b>Sixth Semester: 20 weeks</b></p> <ul style="list-style-type: none"> <li>i) Submission of Thesis and <i>viva voce</i> - 8 weeks</li> <li>ii) Project Work shall be carried out in 5<sup>th</sup> and 6<sup>th</sup> semester.</li> </ul>
<b>OMQ 2.2</b>	<ul style="list-style-type: none"> <li>(a) The course shall extend over 6 semesters of total duration of 36 months.</li> <li>(b) First, second, third, fourth and fifth semesters shall comprise of course work and the fifth and sixth semesters shall be entirely devoted to Industrial Training wherever applicable and dissertation work.</li> <li>(c) The candidate shall register during first and third semesters for subjects prescribed for first semester of a full time course and during second and fourth semesters for subjects prescribed for second semester of a full time course.</li> <li>(d) The candidate shall register for a maximum of three subjects per semester.</li> <li>(e) The classes shall be conducted on Saturdays and Sundays</li> </ul>
<b>OMQ 2.3</b>	A Part Time QIP candidate shall be allowed a maximum of 12 semesters duration from the first semester of admission to become eligible for the award of Masters Degree, failing which he/she may register once again as a fresh candidate.
<b>OMQ 2.4</b>	The Calendar of events in respect of the course shall be fixed by the University from time to time.
<b>OMQ 2.5</b>	If any question arises regarding the interpretation of any of the clauses of these Regulations, the Regulation governing the regular M.Tech. programme shall prevail.

## **OMQ 3 ELIGIBILITY FOR ADMISSION**

- OMQ 3.1** Admission to the Part Time Master of Technology Quality Improvement Program shall be open only to the regular faculty working in institutions in Karnataka State, who have passed B.E. / B.Tech. Examinations (in relevant field) of VTU or any other University / Institution or any other examinations recognized as equivalent thereto with a minimum of one year of teaching experience.  
(Amended and approved in 82<sup>nd</sup> resolution no. 2.3.6 dated 03.10.2009)
- OMQ 3.1-A** AMIE qualification in respective branches shall be taken as equivalent to B.E./B.Tech. Courses of VTU for Part Time M.Tech. QIP admissions. However, a candidate seeking admission to M.Tech. course with this qualification shall also take the Common Entrance Test.
- OMQ 3.2** Admission to Part Time M.Tech. QIP shall be open to the candidates who have passed the prescribed qualifying examination with First Class as indicated in the degree certificate.
- OMQ 3.3** There shall be not less than 10 candidates but not more of 25 candidates, to organize the programme. Seats shall be apportioned among the faculty of college, industry and polytechnic in the ratio 20:3:2. Any unfilled seats from polytechnic quota may be allotted to industry sponsored candidates.
- OMQ 3.4** The Engineering graduates other than the graduates of any of the Universities of Karnataka State shall have to obtain Eligibility Certificate from the VTU to seek admission to P.G. course in any of the colleges affiliated to VTU.
- OMQ 3.5** Part-time QIP students shall take admission for the course under the regulation OMQ 3.3, provided their place of working shall be within 100 kms from the institution where they seek admission.

## **OMQ 4 ATTENDANCE REQUIREMENT**

- OMQ 4.1** Each course of semester shall be treated as a separate unit for calculation of the attendance.
- OMQ 4.2** A candidate shall be considered to have satisfied the attendance requirement if he/she has attended not less than 75% of the classes in each subject of all the semesters (Theory, Laboratory, Seminars, Industrial Training and Dissertation work) actually conducted up to the end of the semester.
- OMQ 4.3** A candidate, who does not satisfy the attendance requirement, mentioned as above, shall not be eligible to appear for the Examination of that semester and shall be required to repeat that semester along with regular students during subsequent year.
- OMQ 4.4** If a candidate, for any reason, discontinues the course in the middle he/she may be permitted to register to continue the course along with subsequent batch, subject to the condition that he/she shall complete the class work, lab work and seminar including the submission of dissertation within maximum stipulated period. Such candidate shall not be eligible to be considered for the award of rank.
- OMQ 4.5** The Principals of the concerned Colleges shall notify regularly, a list of such candidates who fall short of attendance.
- OMQ 4.6** The list of the candidates falling short of attendance shall be sent to the University at least one week prior to the commencement of the examination.

## **OMQ 5 INTERNAL ASSESSMENT**

- OMQ 5.1** Each candidate shall obtain not less than 50% of the maximum marks prescribed for the Internal Assessment of each subject, including seminars.
- OMQ 5.2** Internal Assessment Marks shall be based on assignments, tests, oral examinations and seminar conducted in respective subjects (minimum of two tests are compulsory).
- OMQ 5.3** Candidates obtaining less than 50% of the Internal Assessment marks in any subject shall not be eligible to appear for the examination in that subject(s). In such cases, the Head of the Department may arrange for the improvement of Internal Assessment marks in the subject(s) in subsequent semester.
- OMQ 5.4** The candidates shall write the Internal Assessment Test in Blue Books which shall be maintained by the Principal / Head of the Department for at least one month after the announcement of results and make them available for verification as per the direction of the Registrar (Evaluation).
- OMQ 5.5** The Internal Assessment marks sheet shall bear the signature of the concerned Teacher, Head of the Department and the Principal.
- OMQ 5.6** The Internal Assessment marks list shall be displayed on the Notice Board and corrections, if any, shall be incorporated before sending to the University.
- OMQ 5.7** Principals shall send IA marks to the University well in advance before the commencement of theory examination. No corrections in the Internal Assessment marks shall entertained after the submission of marks list to the University.

## **OMQ 6 SEMINAR**

- OMQ 6.1** All candidates shall present one seminar each in first and second semesters on the topics chosen from the relevant fields.
- OMQ 6.2** The Head of the Department shall organize for conducting of such seminars through the concerned faculty.
- OMQ 6.3** The Internal Assessment marks for the seminar shall be awarded by the concerned faculty.

## **OMQ 7 PAPER SETTING AND EVALUATION OF THEORY ANSWER PAPERS**

- OMQ 7.1** The Question papers in theory subjects shall be set by the Examiners appointed for that purpose by the University.
- OMQ 7.2** There shall be double valuation for theory papers in the University Examinations. The theory answer papers shall be valued independently by the two examiners appointed by the University.
- OMQ 7.3** If the difference between the marks awarded by the two examiners is not more than 15 marks, the marks awarded to the candidate shall be the average of two evaluations.
- OMQ 7.4** If the difference between the marks awarded by the two Examiners is more than 15 marks, the Script shall be evaluated by a third Examiner. The average of the marks of nearest two valuations shall be considered as the marks secured by the candidate. However, if one of the three marks falls exactly midway between the other two, then the higher two marks shall be taken for averaging.

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**OMQ 8 DISSERTATION WORK**

- OMQ 8.1** The topic and title of the dissertation shall be chosen by the candidate in consultation with the guide and co-guide, if any, during the second semester itself. However, modification of only the title but not the field of work is permitted at the time of final submission of dissertation report during the fourth semester. The subject and topic of the dissertation shall be from the major field of post graduate studies of the candidate and the synopsis comprising scope and approach to the topic shall be prepared and submitted to the Registrar (Evaluation) through the Principal of the institution within 30 days from the starting of the third semester.
- OMQ 8.2** The dissertation work shall be carried out by each candidate independently during the third and fourth semester under the guidance of one of the faculty members of the Department in the Institution of study. If the dissertation assignment is of interdisciplinary nature, a co-guide shall be taken from the same or any other relevant department.
- OMQ 8.3** If a dissertation work has to be carried out in any industry / factory / organization, outside the campus, the permission to that effect and the name of co-guide at any of these organizations shall be intimated to the University at the beginning of third semester by the Principal of the College.
- OMQ 8.4** At the end of sixth semester, each candidate shall submit a report of the dissertation work duly approved by the guide and co-guide, if any. The dissertation work shall be countersigned by the guide, co-guide (if any), Head of the Department and Head of the Institution.
- OMQ 8.5** The candidate shall submit three copies of the dissertation work to the Head of the Institution. The Principal shall make arrangements to send two hard copies of the report to the University for valuation.
- OMQ 8.6** The date of submission of the dissertation may be extended up to a maximum of four academic years for full-time students and maximum of six academic years for part-time students, from the date of commencement of the first semester in which the candidate has taken admission to the course.
- OMQ 8.7** The dissertation shall be evaluated by two examiners - one internal examiner (guide/co-guide) and one external examiner appointed by the University. The external examiner shall, preferably, be from the regions other than the one to which the candidate belongs or from outside Karnataka State. The evaluation of the dissertation shall be made independently by each examiner.
- OMQ 8.8** A copy of the dissertation shall be sent to each Examiner by the University for evaluation.
- OMQ 8.9** The examiners shall evaluate and send the marks lists independently to the Registrar (Evaluation).
- OMQ 8.10** Average of the marks awarded by the two Examiners shall be the final.

- OMQ 8.11** Examiners shall evaluate the dissertation normally within a period of not more than three weeks from the date of receipt of dissertation. The dissertation shall not be accepted for passing if external examiner finds that the dissertation work and the report are not up to the expected standard and the minimum passing marks cannot be awarded. The external examiner can totally reject or ask for modification. The examiner shall give reasons for rejection or modification, and if asked for modification, he/she can make suggestion for improvement of the dissertation for resubmission. In cases where modification is recommended after incorporating suggestions, the dissertation report shall be sent to the same external examiner.
- If the examiner does not approve it again, it will be treated as rejected. After the rejection by the first external examiner, it should be sent to a second examiner appointed by the University. If the second examiner also does not approve, the candidate shall have to register once again into the fourth semester, in the case of full time student and sixth semester, in the case of part-time student with the University and shall submit the dissertation within the stipulated time.
- OMQ 8.12** The candidate may also choose another topic of dissertation under a new guide, if necessary. In such a case, the report shall be submitted within four years in case of full time student and six years in case of part time student respectively from the date of admission to the course. The Examiners shall be appointed as per the norms of the University for the evaluation of dissertation.
- OMQ 8.13** If the dissertation report is approved, as per regulation OMQ8.11, the *viva-voce* examination of the candidate will be conducted by the external examiner and guide/internal. The external examiner, who will be appointed by the University, shall be contacted by the Principal / HOD.
- Internal examiner as per the direction of the University to arrive at a mutually convenient date for the conduct of viva-voce of the concerned candidate with intimation to the Registrar (Evaluation). In case, one of the examiners pleads inability to attend the viva-voce, substitute appointment will be done by the Registrar (Evaluation).
- OMQ 8.14** The relative weightage for the evaluation of dissertation and the performance at the Viva-Voce shall be as per the scheme of teaching & examination.
- OMQ 8.15** The marks awarded by the Examiners at the Viva Voce Examination shall be sent jointly to the University immediately after the examination.
- OMQ 8.16** Examination fee as fixed from time to time by the University for evaluation of dissertation report and conduct of viva-voce shall be remitted through the Head of the Institution on or before 15<sup>th</sup> of the following months; February, May, August and November of every academic year, after registering for third semester.
- OMQ 9 ELIGIBILITY FOR PASSING**
- OMQ 9.1** There shall be a University Examination at the end of each semester.
- OMQ 9.2** The candidate shall obtain a minimum of 40% of marks in the University Examination and a minimum of 50% of marks in aggregate including the Internal Assessment marks for pass in each of the theory/Lab subject.
- OMQ 9.3** A candidate shall obtain a minimum of 50% of maximum marks separately both in seminar and in dissertation for pass.

- OMQ 9.4** There shall be no restriction for promotion from earlier to next semester provided he has fulfilled the attendance requirements as per OMQ 4.
- OMQ 9.5** The candidate has to pass in all subjects of I and II semester before the *viva voce* is conducted.
- OMQ 9.6** A candidate may at his desire reject his latest semester results of University Examination with respect to all subjects of that particular semester examination. Rejection of result of individual subjects shall not be permitted. Rejection shall be permitted only once during the entire course.  
Provided that earlier sessional marks of the rejected semester shall be retained.  
Provided further that in 4<sup>th</sup> semester the rejection shall not include dissertation.  
If the rejection of the University examination results of the semester happens to be of an odd semester, the candidate can take admission to the immediate next even semester. However, if the rejection of the University result is of even semester, the candidate cannot take admission to the next odd semester.
- OMQ 9.7** Application for rejection shall be submitted to the Registrar (Evaluation) of the University, through the Principal of the college, within thirty days from the date of announcement of results.
- OMQ 9.8** A candidate, who opts for rejection is eligible for the award of class and distinction, but shall not be eligible for the award of ranks.
- OMQ 10 AWARD OF CLASS & RANK**
- OMQ 10.1** The candidates who have passed in all the subjects of all the semesters and the dissertation work shall be declared to have passed the course.
- OMQ 10.2** The class shall be awarded at each semester based on the first attempt aggregate marks of the semester.
- OMQ 10.3** A candidate who secures 70% or more marks in aggregate in first attempt shall be declared to have passed in First class with Distinction.
- OMQ 10.4** A candidate who secures 60% or more marks but less than 70% in aggregate in first attempt shall be declared to have passed in First class.
- OMQ 10.5** A candidate who secures 50% or more marks but less than 60% in aggregate in first attempt shall be declared to have passed in Second class.
- OMQ 10.6** The class shall be awarded on the aggregate marks in the first attempt of 1<sup>st</sup> to 3<sup>rd</sup> semesters and dissertation marks in the case of full time students. In the case of part-time students, the class shall be awarded on the aggregate marks of first attempt of 1<sup>st</sup> to 5<sup>th</sup> semester and dissertation work.
- OMQ 10.7** There shall be three ranks in each PG courses, provided the minimum full time strength is 10. The ranks shall be declared only for full time students on the basis of the aggregate marks of the first, second, third and fourth semesters taken together, provided the candidate has passed in all the semesters in first attempt only.
- OMQ 10.8** Candidates who have rejected as per the regulation OMQ 9.6 or discontinued the course as per regulation OMQ4.4 or do not submit the dissertation report within 46 weeks (5<sup>th</sup> and 6<sup>th</sup> semester) as per regulation OMQ 2.1 are not eligible for award of ranks.

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