

THE MASTER OF TECHNOLOGY COURSE IN ENGINEERING
(Full Time / Part Time)

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| OM 1 | TITLE OF THE COURSE |
| OM 1.1 | The Course shall be called Master of Technology Course, abbreviated as M.Tech. (Subject of Specialization) |
| OM 2 | DURATION OF THE COURSE |
| OM 2.1 | There shall be two categories: 1) Full Time Course and 2) Part Time Course |
| OM 2.2 | <p>Full Time Course: The course shall extend over a period of four semesters and each semester shall have the following schedule:</p> <p>First Semester: 23 weeks duration</p> <ul style="list-style-type: none"> • 16 weeks course work +7 weeks for (Preparation, Examination and Vacation). <p>Second Semester: 21 weeks duration</p> <ul style="list-style-type: none"> • 16 weeks course work +5 weeks for (Preparation, Examination and Vacation). <p>Third Semester: 21 weeks duration</p> <ul style="list-style-type: none"> • 16 weeks Internship +5 weeks for (Report Submission, Evaluation, Viva-Voce and initiation of Project Phase-II). • <i>Seminar and Presentation on Internship after 8 weeks from the commencement of III Semester.</i> • <i>Report on Internship.</i> • <i>Project Phase- I: Problem formulation and submission of synopsis within 8 weeks from the commencement of 3rd semester to the HoD with the approval of the Project Guide.</i> • <i>Evaluation of Internship report and Viva-Voce, and</i> • <i>Project Phase- II: Preliminary work on Project Implementation.</i> <p>Fourth Semester: 24 weeks duration Course work of 2 subjects +Project Phase-III</p> |
| OM 2.3 | <p>Part Time Course:</p> <p>(a) The course shall extend over 6 semesters.</p> <p>(b) Each semester shall be of the duration equivalent to that of the semester for full time students, inclusive of teaching, preparation for examination and vacation.</p> <p>(c) First, second, third & fourth semester shall comprise of course work and the fifth shall be entirely devoted to Internship and sixth semester shall be entirely devoted to dissertation work.</p> <p>(d) During the first semester, the candidate shall register for the subjects of first and third semesters. During the second semester, the candidate shall register for the subjects of second and fourth semesters.</p> <p>(e) The candidate shall register for a maximum of three subjects per semester.</p> <p>(f) The candidates shall register for Lab subject in first and second semesters along with the regular three subjects.</p> |
| OM 2.4 | A Full Time candidate shall be allowed a maximum duration of eight semesters from the first semester of admission to become eligible for the award of Master's Degree, failing which he/she may register once again as a fresh candidate. |
| OM. 2.5 | A Part Time candidate shall be allowed a maximum of 12 semesters duration from the first semester of admission to become eligible for the award of Master's Degree, failing which he/she may register once again as a fresh candidate. |

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| OM 2.6 | The Calendar of events in respect of the course shall be fixed by the University from time to time. |
| OM 3 | ELIGIBILITY FOR ADMISSION |
| OM 3.1 | <p>Admission to the Master of Technology Course shall be open to all the candidates who have passed B.E. / B. Tech. Examinations (as per the eligibility criteria specified from time to time) of VTU or any other recognized University / Institution. The decision of the Equivalence committee shall be final in establishing the eligibility of candidates for a particular course.</p> <p>For the foreign degrees Equivalence certificate from the Association of Indian Universities is a must.</p> <p><i>However, the candidates who have completed their prerequisite degree through the distance mode education are not eligible for admission to M.Tech. Courses under any quota i.e. Govt./Management.</i></p> |
| OM 3.2 | AMIE qualification in respective branches shall be equivalent to B.E./ B. Tech. Courses of VTU for admission to M.Tech. However, the candidate seeking admission to M.Tech. courses on the basis of AMIE shall also take the Common Entrance Test. |
| OM 3.3 | Admission to M.Tech. Course shall be open to the candidates who have passed the prescribed qualifying examination with not less than 50% of the marks in the aggregate of all the years of the degree examination. However, in the case of candidates belonging to SC/ST and Category I, the aggregate percentage of marks in the qualifying examinations shall not be less than 45%. Rounding off of percentage secured in qualifying examination is not permissible. |
| OM3.4 | <p><i>There shall be entrance examination for PG Programs from the Karnataka Examination Authority and candidates qualified for the admission through the Entrance examination or qualified for admission under GATE and issued an admission order from KEA are eligible for the admission to M.Tech. Program or through the entrance examination conducted by the University.</i></p> <p>For admissions under Management Quota: <i>The candidates should have appeared for the Entrance Examination conducted by KEA or Qualified under GATE or appeared and qualified through the entrance examination conducted by the University.</i> <i>Further, there shall be an Admissions Committee for PG Course in each college for each branch of PG studies consisting of the Principal of the College as the Chairman, Head of the concerned Department, one senior staff member of the concerned Department. The Admissions Committee conducts the interview of the candidates for admissions.</i></p> <p>For admissions under Sponsored Quota: <i>The candidates should have appeared for the Entrance Examination conducted by KEA or Qualified under GATE or through the entrance examination conducted by the University.</i></p> |
| OM 3.5 | The candidates, who have qualified in the GATE Examination for the appropriate branch of engineering, shall be given priority. They shall be exempt from taking Entrance Examination. |
| OM 3.6 | If sufficient number of GATE qualified candidates are not available, such seats shall be filled from amongst the candidates appeared for Entrance Examination in the order of merit. |

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| OM 3.7 | The maximum number of seats under various categories (regular, sponsored candidates and SC/ST) shall be as sanctioned by the AICTE, State Government and VTU, from time to time. |
| OM 3.8 | Subject to the provisions of OM 3.1 and OM 3.2, members of the Teaching/Research Staff/Teaching Assistants working in any Engineering College recognized by AICTE either in the State of Karnataka or outside and who have put in a minimum of Three years of teaching experience on full-time basis in Engineering Colleges, Polytechnic institutions / any other institutions imparting Engineering education shall be eligible for admission to PG Courses under sponsored quota, if they are sponsored by the respective Institutions / DTE. Where sufficient number of such candidates is not available, candidates with minimum Three years of teaching experience may be allowed to the course against sponsored quota. |
| OM 3.9 | Subject to the provisions of OM3.1 and OM3.2, members working in the State Government / Central Government / Quasi Government Organizations / Public Sector Industries / Reputed Private Industries, who have put in a minimum of Three years of working experience and are sponsored by the concerned Organizations shall also be eligible to seek admissions to PG Courses against sponsored quota. |
| OM 3.10 | 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. |
| OM 3.11 | Part time students whose place of working is within radial distance of 40 km from the institution where they seek admission shall take admission for the course under the regulation OM 3.8 or OM3.9. |
| OM 3.12 | Admission to M.Tech. course shall be open under lateral entry scheme for candidates who have completed one year PG Diploma Course of VTU or equivalent course in that branch in which he / she is seeking admission and satisfies all other eligibility criteria for admission to the regular M.Tech. Course. |
| OM 4 | ATTENDANCE REQUIREMENT |
| OM 4.1 | Each course of the semester shall be treated as a separate unit for calculation of the attendance. |
| OM 4.2 | Each semester is considered as a unit and the candidate has to put in a minimum attendance of 85% in each subject with a provision of condonation of 10% of the attendance by the Vice-Chancellor on the specific recommendation of the Principal of the college where the candidate is studying, showing some reasonable cause such as medical grounds, participation in University level sports, cultural activities, seminars, workshops, paper presentation, etc. The necessary documents such as Medical Certificate, letter of participation in University level activities etc., are to be submitted along with recommendations for condonation. |
| OM 4.3 | A candidate, who does not satisfy the attendance requirement as mentioned 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 the subsequent year. |
| OM 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, laboratory work and seminar including the submission of dissertation within the maximum stipulated period (double the duration of the course). Such candidate shall not be eligible to be considered for the award of rank. |

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| OM 4.5 | Principals of the concerned colleges shall notify regularly, the list of such candidates who fall short of attendance. |
| OM 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. |
| OM 5 | INTERNAL ASSESSMENT |
| OM 5.1 | A candidate shall obtain not less than 50% of the maximum marks prescribed for the Internal Assessment (IA) of each subject/Lab, including seminars. |
| OM 5.2 | Internal Assessment Marks shall be based on assignments, tests, oral examination and seminar conducted in respective subjects (minimum of two tests are compulsory). |
| OM 5.3 | Candidates obtaining less than 50% of the Internal Assessment marks in any subject(s)/Lab shall not be eligible to appear for the examination in that subject(s). Only in such cases, the Head of the Department shall arrange for the improvement of Internal Assessment marks in the subject(s)/Lab in subsequent semester. |
| OM 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 three months after the announcement of University results and available for verification as per the directions of the Registrar (Evaluation). |
| OM 5.5 | Every sheet of the Internal Assessment marks list shall bear the signatures of the concerned Teacher, Head of the Department and the Principal. |
| OM 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. |
| OM 5.7 | The IA marks shall be sent to the university by the Principals well in advance before the commencement of theory examination. No corrections of the Internal Assessment marks shall be entertained after the submission of marks list to the University. |
| OM 6 | SEMINARS |
| OM 6.1 | All candidates shall present one seminar each in the first and the second semesters on the topics chosen from the relevant fields. |
| OM 6.2 | The Head of the Department shall arrange for conducting such seminars through concerned faculty member of the Department. |
| OM 6.3 | The Internal Assessment marks for the seminar shall be awarded by the concerned faculty member. |
| OM 7 | PAPER SETTING AND EVALUATION OF THEORY ANSWER PAPERS |
| OM 7.1 | Question papers in theory subjects shall be set by the Examiners appointed for that purpose by the University. |
| OM 7.2 | There shall be double valuation of theory papers. The theory Answer booklets shall be valued independently by two examiners appointed by the University. |
| OM 7.3 | If the difference between the marks awarded by the two Examiners is not more than 15 per cent of the maximum marks, the marks awarded to the candidate shall be the average of two evaluations. |

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| OM 7.4 | If the difference between the marks awarded by the two Examiners is more than 15 per cent of the maximum marks, the answer booklet shall be evaluated by a third Examiner appointed by the university. 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 highest two marks shall be taken for averaging. |
| OM 8 | Internship |
| OM 8.1 | Internship: The student shall undergo Internship for 16 weeks. |
| OM 8.2 | Seminar / Presentation on Internship: The student shall make a midterm presentation of the activities undertaken during the first eight weeks of internship to a panel comprising Internship Guide, a senior faculty from the department and Head of the Department of the college. |
| OM 8.3 | Report on Internship: The College shall facilitate and monitor the student internship program. The internship report of each student shall be submitted to the Head of the Department of the college with the approval of the Guide. |
| OM 8.4 | Evaluation of Internship - To be carried out by the Internal Guide of the college and the respective Head of the Department. |
| OM 8.5 | Viva-Voce on Internship Report- To be conducted <i>internally</i> by the Internship Guide (from the college) and the External Guide under whose supervision the student has carried out the internship. |
| OM 8.6 | Failure to undergo Internship: The student will not be eligible to submit the dissertation |
| OM 9 | DISSERTATION WORK |
| OM 9.1 | The candidate shall submit a soft copy of the dissertation work in the form of CD which should contain the entire Dissertation in monolithic form as a PDF file (not separate chapters) Guide after checking the report for completeness shall upload the Dissertation along with name, address, mobile number of the candidate, etc. as prescribed in form available on online Dissertation evaluation portal. The guide shall also chose and submit a panel of four expert evaluators. |
| OM 9.2 | Plagiarism Check Once the Guide uploads the dissertation, The dissertation shall be linked for plagiarism check and the plagiarism index $\leq 25\%$. If the report indicates plagiarism index $>25\%$: <ul style="list-style-type: none"> • for the first time the candidate has to resubmit the dissertation along with the penal fees of Rs 2000/- (Two thousand only) in person. • for the second time the candidate has to resubmit the dissertation along with the penal fees of Rs 4000/- (four thousand only) in person. • If the dissertation is rejected again during second resubmission, the candidate shall redo the project and submit after a semester's time. |
| OM 9.3 | 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. |

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| OM 9.4 | The dissertation shall be sent through email for evaluation to two examiners - one internal examiner (guide/co-guide) and one external examiner appointed by the University. The evaluation of the dissertation shall be made independently by each examiner. |
| OM 9.5 | The examiners shall independently evaluate and submit the marks through the specified link. |
| OM 9.6 | Average of the marks awarded by the two Examiners shall be the final. |
| OM 9.7 | Examiners shall evaluate the dissertation normally within a period of not more than three weeks from the date of receipt of dissertation through email. The dissertation shall not be accepted for passing if external examiner finds that the dissertation work and the report is not up to the expected standard and the minimum passing marks cannot be awarded. The external examiner can totally reject the dissertation or ask for its modification. The examiner shall give reasons for rejection of the dissertation or requiring its modification and where modification in the dissertation is required, 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. |
| OM 9.8 | If the examiner does not approve the dissertation on its re-submission, it shall be treated as rejected. After the rejection by the first external examiner, it shall be sent to a second examiner appointed by the University. If the second examiner also does not approve the dissertation, the candidate shall have to carry out the dissertation work once again and shall submit the dissertation within the stipulated time. In such cases of Rejection, the candidate shall redo the entire procedure from the submission of Dissertation in soft copy. |
| OM 9.9 | The candidate may also choose another topic of dissertation under a new guide, if necessary. In such an event, 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. |
| OM 9.10 | If the dissertation report is approved and evaluated by both the examiners and the candidate secured minimum passing marks in the evaluation, the office of the Registrar (Evaluation) will send the link to both the examiners for the conduct of Viva-Voce Exam and submission of marks. Internal examiner as per the direction of the University to arrive at a mutually convenient date for the conduct of <i>viva-voce</i> examination of the concerned candidate with intimation to the Registrar (Evaluation). In case one of the examiners expresses his inability to attend the <i>viva-voce</i> , the Registrar (Evaluation) shall appoint a substitute examiner in his place. |
| OM 9.11 | The relative weightage for the evaluation of dissertation and the performance at the <i>viva voce</i> shall be as per the scheme of teaching & examination. |
| OM 9.12 | The marks awarded by both the Examiners at the <i>viva voce</i> Examination shall be sent jointly to the University immediately after the examination. |
| | Examination fee as fixed from time to time by the University for evaluation of dissertation report and conduct of <i>viva voce</i> shall be remitted through the Head of the Institution as per the instructions sent by the office of Registrar (Evaluation) from time to time. |

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| OM 9.13 | If the dissertation report is approved, as per regulation OM8.11, a <i>viva-voce</i> examination of the candidate shall be conducted by the external examiner and internal examiner / guide. The external examiner, who will be appointed by the University, shall be contacted by the Principal / Head of the Department. Internal examiner as per the direction of the University shall have to arrive at a mutually convenient date for the conduct of <i>viva-voce</i> examination of the concerned candidate with an intimation to the Registrar (Evaluation). In case one of the examiners expresses his/her inability to attend the <i>viva-voce</i> , the Registrar (Evaluation) shall appoint a substitute examiner in his/her place. |
| OM 9.14 | The relative weightage for the evaluation of dissertation and the performance at the <i>viva voce</i> shall be as per the scheme of teaching & examination. |
| OM 9.15 | The marks awarded by both the Examiners at the <i>viva voce</i> Examination shall be sent jointly to the University immediately after the examination. |
| OM 9.16 | Examination fee as fixed from time to time by the University for evaluation of dissertation report and conduct of <i>viva voce</i> shall be remitted through the Head of the Institution as per the instructions sent by the office of Registrar (Evaluation) from time to time. |
| OM 10 | ELIGIBILITY FOR PASSING |
| OM 10.1 | There shall be University examination at the end of each semester. |
| OM 10.2 | The candidate shall obtain a minimum of 40% of marks in each theory paper in the University examination and a minimum of 50% of marks in each laboratory examination and a minimum of 50% of marks in aggregate including the Internal Assessment marks for pass in each of the theory subject /Lab. |
| OM 10.3 | To pass a candidate shall obtain a minimum of 50% of maximum marks separately both in Seminar and in Dissertation. |
| OM 10.4 | The candidate with a maximum of two backlog subjects of first year shall be eligible for taking admission to second year (III semester). However for part time course, candidate with one backlog subject shall be eligible for taking admission to odd semester from even semester. |
| OM 10.5 | The full time candidate has to pass in all the subjects of the first two semesters and Internship and the part time candidate has to pass in all the subjects of first four semester and Internship before the submission of dissertation report. |
| OM 10.6 | A candidate may at his/her desire reject his/her latest semester results of University examination in respect to all subjects of that semester. However, in the 4 th semester the rejection shall not include the Dissertation result. Rejection shall be permitted only once during the entire course. The Internal Assessment marks of the rejected semester shall be retained. |
| | 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. |
| OM 10.7 | Application for rejection shall be submitted to the Registrar (Evaluation) through the Principal of the college, within thirty days from the date of announcement of results. |
| OM 10.8 | A candidate, who opts for rejection shall be eligible for the award of class and distinction, but shall not be eligible for the award of rank. |

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| OM 11 | AWARD OF CREDITS : A candidate, who satisfactorily completes a subject/lab/seminar/project/ internship shall be awarded the credits prescribed for the subject/lab/seminar/project/ internship |
| OM 12 | AWARD OF CLASS AND RANK |
| OM 12.1 | Candidates who have complied to the academic requirements for the award of the degree of Master of Technology shall be declared to have passed the course. |
| OM 12.2 | The class shall be awarded at each semester based on the aggregate marks of the semester obtained in the first attempt. |
| OM 12.3 | A candidate who secures 70% or more marks in the aggregate in the first attempt shall be declared to have passed in First class with Distinction. |
| OM 12.4 | A candidate who secures 60% or more marks but less than 70% marks in the aggregate in the first attempt shall be declared to have passed in First Class. |
| OM 12.5 | A candidate who secures 50% or more marks but less than 60% marks in the aggregate in the first attempt shall be declared to have passed in Second Class. |
| OM 12.6 | The class shall be awarded on the aggregate marks obtained in the first attempt in all semesters. |
| OM 12.7 | There shall be three ranks in each PG course, provided the minimum full time strength is 10. The ranks shall be declared only for full time students who have passed every semester in the first attempt, on the basis of the aggregate marks of all the semesters taken together. |
| OM 12.8 | Candidates who have rejected as per the regulation OM9.6 or discontinued the course as per regulation OM4.4 or do not submit the dissertation report within the stipulated period as per OM 2.2 are not eligible for award of ranks. |

NOTE: These regulations governing the Degree of Master of Technology of Visvesvaraya Technological University shall be binding on all and may be modified from time to time.

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