



CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY

BHILAI

Established under act No. 25 of 2004

Ordinance No. 12

(Under Section 38)

**Ordinance for degree in Master of Engineering/Technology (ME/M.Tech)
(w.e.f the year 2005-2006)**

- 1 This ordinance shall be applicable to candidates admitted after 1st July 2005.
- 2 The Post Graduate course in Engineering/Technology leading to the Degree of Masters of Engineering/*Technology* (ME/*M.Tech.*) of the university shall be divided into *four* semesters in the case of full time candidates and *six* semesters in the case of part time candidates. Each semester would be approximately of six months duration including vacation/preparatory leave/examination/industrial training etc.
- 3 Every applicant for admission to ME/*M.Tech.* First semester
 - 1) Shall have passed B.E./B. Tech. or equivalent examination in appropriate branch with at least 55% or equivalent marks/grades in the aggregate at final year examination. ***However, the difference of 0.5% or less between marks secured by a candidate and minimum percentage required shall be rounded off to 55%.**
 - 2) Applicants for full time course are required to possess a valid GATE score. GATE is not compulsory for part-time and sponsored full time/part-time candidates.
 - 3) The sponsored candidates must have at least two years experience in the relevant field after passing the qualifying examination.
 - 4) If there are vacant seats still available for admission to M.E. / M. Tech. Course (s) in the institute (s), they may be filled in from the direct candidates strictly on merit basis, who otherwise shall fulfill the minimum qualification criterion specified for admission to M.E. / M. Tech.
4. The candidate shall be permitted to appear at the semester examination provided he has successfully prosecuted a course of study in the UTD or in an affiliated college for that semester in the concerned course.
5. Candidates appearing as regular students for any semester examination shall be required to attend at least 75% of lecturers delivered and of the practicals held, separately in each paper, provided that a short fall in attendance up to 10% and 5% can be condoned by the Director/Principal of the College and Vice Chancellor of Vishwavidyalaya respectively for satisfactory reasons.
6. There shall be two university examinations each year. The first around Dec./January and the second around May/June. The first Dec./Jan. examination shall be the main examination for first, third and fifth semesters and supplementary examination for second and fourth semesters. The May/June examination shall be the main examination for second and fourth semesters and supplementary examination for first, third and fifth semesters.
7. a) ***An examinee who fails to obtain minimum marks/grades in not more than two theory paper(s)/Practical(s)/Viva Voce at any of the semester examinations shall be declared to have**

obtained A.T.K.T. (allowed to keep term). Such candidates may be admitted provisionally to the class for next higher semester. In case he/she fails to clear the backlog in the A.T.K.T. examination (**in two attempts**) he/she shall be treated **as fail**.

- b) A candidate failing in more than **two theory paper** or practical/viva voce in any semester examination shall be treated to have failed.
- a) The failed candidate as per para-8 (a) and (b) above shall not be permitted to continue in the course.
- b) The candidate failing in the final (*fourth* in case of full time and *sixth* in case of part time) semester examination may seek re-admission in the semester. However he/she shall submit his/her dissertation after necessary improvement and/or modification or re-written dissertation on a different topic suggested by the Head of the Department in the college.

7.1 Minimum pass marks for each subjects in each semester shall be as under: -

- a. Each written Theory Paper – 40 % of the total marks allotted to that paper.
- b. Each Practical Examination - 50 % of the total marks allotted to practicals.
- c. Each Sessional/TA Examination – 60 % of the total marks allotted to sessional/TA.
- d. Class test – No restriction for minimum pass marks.
- e. Total aggregate marks – 50%.

7.2 Division shall be awarded in the Final semester examination based on integrated performance of the candidate for all the semester examinations in the following manner: -

- a) First Division with Distinction Honours – 75% and above
- b) First Division – 65% and above
- c) Second Division – Below 65%

Provided the candidate has secured the minimum pass marks as specified under clause 9.1 above.

7.3 The Kulpati shall award one grace marks to the candidate who is either failing or missing the division by one mark. However, it will not be added anywhere.

- a. The *Fourth* semester in the case of full time candidates and *sixth* semester in the case of part time candidates is the major project semester. During this semester the candidate shall devote himself for the research work in connection with any of the aspects of technology relevant to the course selected and assigned to him by the Head of the Department concerned in the college. At the end of the semester the candidate shall submit three typed or printed copies of the major project reports written by him, to the university through the Director/Principal of the college, accompanied by the certificate from the Head of the Department and the project supervisor to the effect that it embodies actual work carried out by the candidate and that the work has not been submitted earlier in part or full for the award of any other degree.

9. (i) A candidate on successfully completion of the first *three* semesters of full time course or the first *five* semesters of part time course shall be eligible for the award of a Post Graduate Diploma in Engineering (PGDipE) if he/she withdraws from course or fails to submit his/her project report within the maximum span of the course. Division shall be assigned in Post Graduate Diploma as per the scales laid down in para 9(2) above.

- (ii) A candidate who possesses a Post Graduate Diploma in Engineering of the university shall be eligible for admission to the *fourth* semester in case of full time and *six* semester in case of part time for the purpose of completing the course, leading to the Master's Degree in Engineering/Technology.

Provided that immediately after the declaration of the results of the final semester examinations and before conferment of the Degree of (ME/M.Tech.) the candidate shall surrendered to the university the Post graduate Diploma he possesses.

10. A candidate who has discontinued the course during any semester may, on the recommendation of the Director/Principal of the college be permitted to take re-admission to the course at the beginning of the semester concerned in a subsequent year except in case where he has obtained the post-graduate diploma as per para 11.
11. The maximum duration of the course shall be *four* years in the case of full time candidates and *six* years in the case of part time candidates.
12. In the notification declaring the results of the final semester examination for the Degree of M.E/M.Tech. , the names of the first five candidates in order of merit in each post graduate course shall be notified by the university separately for full time and part time courses.

13. ASSESSMENT AND GRADING

13.1 MODE OF ASSESSMENT AND EVALUATION

Continuous evaluation system will be followed with three components as Class Test (CT), Teacher's Assessment (TA) and End Semester Exam (ESE). To make TA more objective one, this will depend upon attendance, home assignments, take home exam, closed and open book tests, group assignments, viva-voce, quizzes etc. Similarly, there will be two or three class tests in a semester the results of which will be shown to the class students along with test answer books under intimation to the University. However, ESE will have to be conducted by the college/institute through affiliating university. Weightings of CT, TA and ESE will be as given in the scheme of examination.

13.2 GRADING SYSTEM

Absolute grading system will be followed. In every subject, theory or practical, a candidate will be awarded a letter grade based on one's combined performance of all the components, e.g., TA, CTs and ESE. These grades will be described by letters indicating a qualitative assessment of the candidate's performance through a number equivalent called "Grade Point" (GP) as given below. A course is completed successfully, or a credit is earned for a course when letter grade C or better is obtained in the course.

Letter Grade (LG) :	A+	A	B+	B	C+	C	F
Grade Point (GP) :	10	9	8	7	6	5	0

Grades will be awarded for every subject, theory and practical separately. This will be done as described below.

13.3 ABSOLUTE GRADING SYSTEM

The absolute grading system of the type explained below will be adopted for theory and practical subjects

Grades	THEORY	PRACTICAL
A+	$85 \leq \text{Marks} \leq 100\%$,	$90 \leq \text{Marks} \leq 100\%$,
A	$75 \leq \text{Marks} < 85\%$,	$82 \leq \text{Marks} < 90\%$,
B+	$65 \leq \text{Marks} < 75\%$,	$74 \leq \text{Marks} < 82\%$,
B	$55 \leq \text{Marks} < 65\%$,	$66 \leq \text{Marks} < 74\%$,
C+	$45 \leq \text{Marks} < 55\%$,	$58 \leq \text{Marks} < 66\%$,
C	$40 \leq \text{Marks} < 45\%$,	$50 \leq \text{Marks} < 58\%$,
F	$0 \leq \text{Marks} < 40\%$,	$0 \leq \text{Marks} < 50\%$,

Thus letter grades A+, A, B+, B, C+, C, and F and the corresponding Grade Point will be available for each subject evaluated by the examiner.

13.4 CONSTRAINTS OF MINIMUM QUALIFYING MARKS

To be eligible to secure a letter grade A+ to C a candidate must

- be eligible to appear in a ESE, a candidate must score minimum 60% marks in TA in each theory and/or practical separately failing which he/she will be debarred from appearing in that semester exam.
- No minimum score requirement of marks in CTs.
- Minimum score 40% marks in each theory paper,
- Minimum score 50% marks in each practical exam,
- Minimum score 50% of total aggregate marks failing which, but otherwise satisfying minimum score requirements of TA, theory paper and practical exam, he/she shall be kept in compartment in not more than one theory paper of his choice.

13.5 SEMESTER PERFORMANCE INDEX (SPI)

Performance of a student in i-th semester is expressed by SPI which is a weighted average of course grade points obtained by a student in the semester and is expressed by

$$\text{SPI}_i = \frac{[C_1 G_1 + C_2 G_2 + \dots] i}{[C_1 + C_2 + \dots] i} = \frac{[\sum CG] i}{[\sum C] i} = \frac{N_i}{D_i}$$

where C and G stand for Credit and Grade, respectively. SPIs will be calculated up to two places of decimal without rounding off. SPI will be calculated only when a student clears a semester without F in any subject, theory or practical.

13.6 CUMULATIVE PERFORMANCE INDEX (CPI)

This is a weighted average of course grade points obtained by a student for all courses taken since his admission to the degree program with 100% weightage. Thus, CPI in i-th will be calculated as

$$\text{CPI}_i = \frac{\sum_{i=1}^{i \geq 1} N_i}{\sum_{i=1}^{i \geq 1} D_i}$$

If a student repeats a course or is declared fail in a subject, then only the grade points obtained in the latest attempts are counted towards CPI. CPI will be calculated in every semester with SPI, so that a student knows how his CPI is changing.

14. *REVALUATION

A regular candidate may apply to the Registrar for revaluation of his/her answer books in the prescribed form within 10 days from the declaration of the result of the regular examination. The revaluation of the answer book will not be applicable for back log papers.

Provided that no candidate shall be allowed to avail the facility of revaluation in more than two papers.

Provided also that no revaluation shall be allowed in case of scripts of practicals, field work, sessional work tests and thesis submitted in lieu of paper at the examination.

*** Approval accorded on 20.04.11 by Chancellor's office**