

**RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA
BHOPAL**

Established under act No. 13 of 1998

Ordinance No. 8 (A)

(Under Section 40 (1))

Ordinance for degree in Master of Engineering/Technology/Master of Architecture
(M.E./M.TECH./M.Arch.)

(For the Candidates admitted in 1st year on and after July, 2010)

(Under Credit Based Grading System applicable from July, 2010)

(Approved on 16th March 2011)

- 1.0** This ordinance shall be applicable to candidates admitted in First Year on & after 1st July 2010 in Master of Engineering/Technology/Master of Architecture.
- 1.1** The studies and examinations of M.E./ M.TECH./ M.Arch. course shall be on the basis of Marks- Cum - Credit system but semester wise and final evaluation shall be by grading system in accordance with the ordinance No. 30,“Credit Based Grading System” hereinafter referred as Ord.30.
- 2.0** **ADMISSIONS**
- 2.1** Every applicant for admission to M.E./M.Tech./M.Arch., first semester shall have passed B.E./B. Tech./B.Arch. or equivalent examination approved by the AICTE in appropriate branch with at least 55% marks in the aggregate. Candidates belonging to SC/ST categories will get relaxation as per the norms of State Government of Madhya Pradesh.
- 2.2** For full time courses applicants possessing valid GATE score shall be given preference over to those candidates who do not possess GATE score.
- 2.3** Full time sponsored and all part- time candidates, after passing the qualifying examination, must have at least two years of experience in the relevant field from recognized organizations.
- 2.4** The admissions to M.E./ M.Tech./ M.Arch. courses shall be governed by the rules of the Technical Education and Skill Development Department, Government of Madhya Pradesh, Bhopal and / or any other competent authority authorised by the State Government of Madhya Pradesh for this purpose.

3.0 EXAMINATIONS

3.1 The Post Graduate courses in Engineering/Technology/Architecture leading to the Degree of Masters of Engineering / Technology/Architecture (M.E./M.Tech./M.Arch.) of the university shall be divided into four semesters in the case of full time courses and six semesters in the case of part time courses. Each semester would be approximately of six months duration including vacation/preparatory leave/examination/industrial training etc.

3.2 There shall be University Examinations at the end of each semester. These examinations shall be named as:

- (a) M.E./M.Tech./M.Arch. First Year
 - First semester -I semester
 - Second semester -II semester

- (b) M.E./M.Tech./M.Arch. Second Year
 - Third Semester -III semester
 - Fourth semester -IV semester

- (c) M.E./M.Tech./M.Arch. Third Year
(Only for part time courses)
 - Fifth semester -V semester
 - Sixth semester -VI semester

3.3 The semester examination will generally be held in Nov-Dec. and April-May in each year.

3.4 The Fourth semester in the case of full time course and sixth semester in the case of part time course is the semester for project. 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/her by the Head of the Department concerned in the respective college. Prior to submission of dissertation, candidate shall present a pre-submission seminar on his/her work. At the end of the semester the candidate shall submit three typed or printed copies of the dissertation written by him/her to the university through the Director/Principal of the college. The dissertation should be accompanied by the certificate from the Head of the Department and the project supervisor to the effect that it embodies actual work by the

candidate and that the work has not been submitted earlier in part or full for the award of any other degree.

3.5 The candidate shall be permitted to appear at the semester examination provided he/she has successfully prosecuted a course of study in the UTD or in an affiliated college for that semester in the concerned course, with stipulated attendance as mentioned in para 12 of this ordinance.

3.6 A candidate who has failed in any subject of a semester shall be permitted to reappear in that subject in subsequent examination, subject to conditions given at para 10.3 of this ordinance.

4.0 PROMOTION TO HIGHER SEMESTER AND YEAR

A candidate who has been admitted in the Master of Engineering/Technology/Master of Architecture course will be promoted to the higher class in accordance with the following rules:

4.1 For the award of degree minimum Cumulative Grade Point Average (CGPA) required is 5.0.

4.2 To pass a particular subject of the course the minimum required grade is D. However, the candidate should also separately score minimum of grade D in end semester examinations of theory and practical parts of the subject. For practical examinations one external examiner from outside the institute shall always be there.

4.3 A candidate who fails to score minimum of grade D in more than two subjects (Theory and Practical of the same subject shall be treated as two subjects) in a particular year, shall not be admitted to the next higher year.

4.4 The result of fourth and final semester for full time candidates and sixth and final semester for part-time candidates shall be declared only if the candidates has fully cleared all the previous semesters.

4.5 If a candidate has passed all the subjects of the course but has failed to score a minimum CGPA of 5.0 as per the requirement of rule 4.1 above, such a candidate shall be permitted to improve requisite grade point by reappearing in maximum of two theory /practical, subjects chosen from subjects of first to third semesters for full time candidates and first to fifth semesters for

part time candidates in the ensuing examination. Theory and practical of a subject shall be treated as separate subjects.

- 4.6** Other than the provision of rule 4.5 above a candidate shall not be permitted to reappear, in the papers which he/she has cleared, for improvement of division/marks or for any other purpose.
- 4.7** A candidate may provisionally continue to attend next higher year, even if, the result of qualifying year / semester has not been declared. However, subsequently if he/she is not able to clear qualifying semester examination, the candidate cannot claim any right on the basis of his/her provisional admission.

5.0 AWARD OF CREDITS AND GRADES

- 5.1** Each course, along with its weightage in terms of units and equivalent credits, shall be recommended by the concerned Board of Studies and shall be approved by the Standing Committee of Academic Council and the Executive Council. Only approved courses can be offered during any semester.
- 5.2** A student shall be continuously evaluated for his / her academic performance in a subject through tutorial work, practicals, home assignments, mid-semester tests, field work, seminars, quizzes, end-semester examinations and regularity, as proposed by respective Board of Studies and approved by Standing Committee of Academic Council and Executive Council of the University.
- 5.3** The distribution of weightage /marks for each component shall be decided by the respective of Board of Studies and approved by Standing Committee of Academic Council and Executive Council of the University subject to such stipulation as given under:

(a) Theory Block

- | | | |
|------|-------------------------------------|-----|
| i. | Quizzes, assignments and regularity | 10% |
| ii. | Mid – semester tests - | 20% |
| iii. | End – semester examination- | 70% |

Total		100%
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(b) Practical Block

i.	Lab work and performance, quizzes, assignments and regularity -	40%
ii.	End – semester examination-	60%
Total		100%

5.4 Project work shall be treated as practical subject.

5.5 In each semester, the institute will be required to conduct at least two mid semester tests for theory block.

5.6 Each student, registered for a course, shall be awarded grade by the concerned faculty / faculties for the specific subject/paper. The grades awarded to a student shall depend upon his continuous evaluation through performance in various examinations, assignments, quizzes, laboratory work, class work, mid semester tests and regularity. The grades to be used and their numerical equivalents are as under :

Credit Based Grading System

Grade	%Marks range (based on absolute marks system)	Grade Point	Description of performance
A ⁺	91-100	10	Outstanding
A	81-90	9	Excellent
B ⁺	71-80	8	Very Good
B	61-70	7	Good
C ⁺	51-60	6	Average
C	41-50	5	Satisfactory
D	40 Only	4	Marginal
F	below 40	0	Fail.
I		0	Incomplete.
W		0	Withdrawal

5.7 The Semester Grade Points Average (SGPA) and Cumulative Grade Point Average (CGPA) shall be calculated as under:-

$$SGPA = \frac{\sum_{i=1}^n c_i p_i}{\sum_{i=1}^n c_i}$$

Where c_i is the number of credits offered in the i^{th} subject of a Semester for which SGPA is to be calculated, p_i is the corresponding grade point earned in the i^{th} subject, where $i = 1, 2, \dots, n$, are the number of subjects in that semester.

$$CGPA = \frac{\sum_{j=1}^m SG_j NC_j}{\sum_{j=1}^m NC_j}$$

here NC_j is the number of total credits offered in the j^{th} semester, SG_j is the SGPA earned in the j^{th} semester, where $j = 1, 2, \dots, m$, are the number of semesters in that course.

5.8 The grade sheet at the end of each even semester examination shall show CGPA till the end of that semester. The final examination grade sheet at the end of final semester examination of the course shall also indicate CGPA, equivalent percentage marks and the division awarded, according to the rule as given in para 7.0 of this ordinance .

6.0 CONDONATION OF DEFICIENCY

6.1 One grace mark will be given to the candidate who is either failing in any semester or missing distinction/ first division by one mark, on behalf of the Vice-Chancellor in the M.E./ M.TECH./ M.Arch. examination.

7.0 AWARD OF DIVISION

7.1 Division shall be awarded only after the fourth (sixth for part time course) and final semester examination based on integrated performance of the candidate for all the two(three for part time course) years as per following details

CGPA Score	Divisions
$7.5 \leq \text{CGPA}$	First Division With Honours
$6.5 \leq \text{CGPA} < 7.5$	First Division
$5.0 \leq \text{CGPA} < 6.5$	II Division

7.2 The conversion from grade to an equivalent percentage in a given academic program shall be according to the following formula applicable

$$\text{Percentage marks scored} = \text{CGPA} \times 10$$

8.0 POST GRADUATE DIPLOMA

8.1. A candidate on successfully completion of the first three semesters of full time course or the first five semesters of part time course, with minimum CGPA of 5.0, shall be eligible for the award of a Post Graduate Diploma in Engineering if he/she withdraws from course or fails to submit his/her project report within the maximum duration of the course. The grade and division shall be assigned in Post Graduate Diploma as per the scales laid down in relevant Clauses of this Ordinance.

8.2 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 within maximum duration of this course as per para 10.3 of this Ordinance, provided that immediately after the declaration of the results of the final semester examinations and before conferment of the Degree of (M.E./M.TECH.) the candidate shall surrender to the university the Post graduate Diploma he/she possesses.

9.0 READMISSION

- 9.1** 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, provided that the duration of course for such readmitted candidate shall be counted from the date of his/her first admission.

10.0 DURATION OF COURSE

- 10.1** There shall be at least fourteen weeks of teaching in every semester.
- 10.2** One hour of conduct in Lecture (L) / Tutorial (T) / Practical (P) per week shall be equal to one credit as allotted in the respective schemes.
- 10.3** The maximum duration of the course shall be Five years in the case of full time candidates and seven years in the case of part time candidates. However, for one mercy attempt the para 24.1.4 of the Ordinance No.12: “Examination General” shall be applicable.

11.0 MERIT LIST

- 11.1** In the notification declaring the results of the final semester examination for the Degree of M.E./ M.Tech./ M.Arch. , the names of the first candidate in order of merit in each branch shall be notified by the university, separately, for full time and part time courses, securing at least first division and passing all semester examinations in single attempt.

12.0 ATTENDENCE

- 12.1** 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 Rajiv Gandhi Proudyogiki Vishwavidyalaya, respectively, for satisfactory reasons.

13.0 MEDIUM OF INSTRUCTION AND EXAMINATION

13.1 The medium of instruction and examination shall be English throughout the course of study.

**Registrar
Rajiv Gandhi Proudyogiki Vishwavidyalaya
Bhopal**