

Dr. B. Rama Vishwavidyalaya, Khampani Kalan

## Faculty of Engineering and Technology

### Master of Technology (M.Tech.)

(w.e.f. Session 2015-16)

#### 1. Definitions:

- 1.1. **Programme** stands for Master of Technology (M.Tech.).
- 1.2. **Credit** is a weightage assigned to a paper in terms of contact hours.
- 1.3. **Grade** stands for letter grade assigned to a students on the basis of examination of a paper on 10<sup>th</sup> point scale.
- 1.4. **Grade points** stand for numerical equivalents of letter grade.

#### 2. Duration:

The normal duration of the programme is two years and maximum duration of M.Tech. programme offered by the Faculty of Engineering and Technology is four years (n+2). The student to be eligible for the award of degree has to clear all the necessary academic requirements during normal or maximum duration of all the specified programmes, failing which she will not be allowed to continue her programme.

#### 3. Admission:

- 3.1. **Eligibility:** A candidate shall be eligible for admission to Master of Technology if she has passed the B.E./ B.Tech. with 50% marks aggregate in appropriate branch of Engineering and Technology as prescribed by the University
- 3.2. No candidate who is in employment (full time/part time/honorary service) shall be eligible to take admission in M.Tech. programme without taking leave from her institute /office from the date of admission to the termination of her examination including other essential requirements. She has to submit an affidavit in this regard. If found violation of this rules her admission shall stand cancelled.
- 3.3. **Procedure:** The admission in the progamme is made on the basis of GATE score/ entrance test or any other mode as decided by the university from time to time. Preference will be given to the candidate having valid GATE score. The candidates having supplementary/compartement/reappear in the qualifying examination shall not be allowed for admission to any programme.

- 3.3.1 At the time of counseling all original certificates will be verified as per the procedure of University.
- 3.3.2 The registration of the students is governed by the rules and regulations as laid down by the university from time to time.

#### 4. Fees:

The programme fee shall be paid by candidate as prescribed by the University from time to time.

#### 5. Teaching Methodology:

Teaching methods shall include class room teaching, assignments, viva-voce, lab work, seminar, project/dissertation work, summer training, field work, presentation, group discussion etc

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## 6. Credit Weight:

Each course has a certain number of credits which reflect its weightage. Credits of a course are evaluated as under:-

**6.1 Lecture:** One credit per lecture per week per semester will generally be adopted.

**6.2 Tutorial:** One credit per tutorial hour per week per semester will be adopted.

**6.3 Practical:** One laboratory hour per week per semester will be assigned half credit.

**6.4 Seminar/independent Study/Term paper:** Two credits each.

**6.5 Dissertation:** Weightage equivalent to one semester credits will be assigned to final year dissertation.

## 7. Examination:

7.1 At the end of the each semester, there shall be an examination where each candidate shall be examined in the paper studied by them in that semester. Each semester examination shall be designated as first semester examination, second semester examination, and third semester examination and so on.

7.2 The examination in each semester will be held according to the syllabi approved by the Board of Studies. The Board of examiners shall be appointed for each paper and shall be recommended by the Post Graduate Board of Studies (PG BOS).

7.3 The examination shall consist of theory papers and practical examination. Theory papers are to be set by the internal/external paper setters appointed by the Vice-Chancellor from a panel of examiners submitted by the chairman of the department duly approved by the PG BOS of the concerned department.

7.4 For practical examination viva-voce shall be conducted jointly by the external and internal examiners. If an external examiner is not able to join, alternate examiner (including those of the same University dept.) may be appointed by the Chairperson of the concerned dept. with the intimation to the Controller of Examinations in the following preferential order: i) From outside ii) From BPSMV, Khanpur Kalan.

7.5 The examination for all even & odd semester will normally be held in December/January and also in May/June on such date as provided by the University. The concerned teacher/course coordinator should ensure that 100% syllabus is covered in each subject before the semester examination.

7.6 Every course is coordinated by a member of the teaching staff of the department which is offering the course in a given semester. This faculty member is called the course coordinator. He/She has the full responsibility for conducting the course, coordinating the work of the other members of the faculty involved in the course, holding the minor test and assignments. For any difficulty, the student is expected to approach the course coordinator for advice and clarification. All the responsibilities from teaching to the award of final grade will be of the course-coordinator.

7.7 Every student has to appear in the internal tests. If a student does not take a minor test, she shall be awarded zero marks in the test. The marks obtained in sessional/practical/theory/drawing/general proficiency are to be submitted to the examination branch duly signed by the Chairperson of the department before the close of semester examination. The examination branch/course coordinator shall convert the marks in to equivalent grades as per the grading procedure.

7.8 If a candidate, after attending the classes for the course of studies in the Department either not appeared or having appeared in any semester examination has failed in one or more papers for that examination, she can appear for such papers at subsequent



examinations without attending a fresh course of studies for that semester such a candidate may, in the meantime, prosecute his/her studies for the next semesters..

7.9 For holding the internal Tests during even and odd semester the schedule of internal exam shall be laid down by teacher(s) concerned in consultation with the Chairperson of the Department as the case may be and shall be made known to the students at the commencement of each semester.

7.10 If any of the department wants to alter the dates due to some reason to the satisfaction of the Chairman of the Department, the date for conduct of Major Test should not go beyond the 1<sup>st</sup> week of January so that the results are not delayed.

7.11 For Internal Test, the syllabus for Examination will be what is covered in particular term. The Major Test will be based on the entire syllabus. Every teacher will submit in writing to the Chairperson at the end of term i.e. intervening period between Internal Tests and External Exam, the content of the syllabus covered during the term.

7.12 The examination branch will design standardized proformas for maintaining the following records at the Department level:-

- 1 Internal Test Awards
- 2 External Exam Awards
- 3 Awards and Co-curricular Activities with details of activities.
- 4 Consolidates Results.

7.13. The different Department of Faculty of Engineering and Technology will follow 80-20 scheme w.e.f. Academic Session 2015-16 for B.Tech. as follows.

7.13.1. These ordinance (20% internal + 80 % external), scheme of examination and syllabi shall be effective from Academic Session July 2015-16 to all newly admitted students from that session.

7.13.2. Evaluation and grading for all theory/practical/viva voce etc. wherever applicable evaluation shall be 20% internal and 80% external. The minimum passing marks for any subject (paper) shall be 40% in the external examination and 40 % in the aggregate of internal and external examinations of that subject. In case a student(s) fails to acquire 40% in the aggregate of internal and external of subject (paper), she will be awarded re-appear in the external examination of that paper.

7.13.3. There will be no re-appear in internal examination. Marks obtained in internal examination /assessment shall be carried forwarded in case of re-appear (either less than 40% in external or less than 40% in aggregate of internal and external).

7.13.4. There will be one internal test which invariably should start 15 days before the last teaching of that semester. Schedule of the same is to be notified to the students by the chairperson/principal of the concerned department/college.

7.13.5. In case any student(s) fails to appear in internal test for valid reason and with the permission of the HOD the internal test for such student shall be arranged by the concerned chairperson/principal before the commencement of semester examinations.

7.13.6. There will be nine questions in theory paper in total from all four units of syllabus. First question is compulsory and set from all four units. Students will have to attempt any five questions in all selecting at least one question from each unit.

**8. Reappear Examinations:** The regular students having reappear or pass out students may reappear in both even and odd semester's examination.

**9 Evaluation & Grading:**

9.1 The assessment will be 20% internal and 80% external for all theory/practical/Viva-voce etc.  
 9.2 The weightage for internal evaluation shall be assigned covering following areas broadly:-

a. Internal test	10% of the total marks 100 i.e. 10 marks
b. Assignment/seminar/quiz/group disc/ etc	5% of the total marks 100 i.e. 5 marks
c. Attendance	5% of the total marks 100 i.e. 5 marks
Less than 75%	00 marks
75% and above and less than 80%	02 marks
80% and above and less than 85%	03 marks
85% and above	05 marks

#### 9.4 Ad-hoc Grace

If there is any discrepancy/out of syllabi/printing error/untoward incident during the examination, the matter shall be referred to a standing committee of

- (i) Controller of Examination
- (ii) HOD of the concerned department
- (iii) One faculty member concerning the subject

The committee may recommend re-conduct of the paper or uniform grace marks to all but that should not exceed 10% marks of that particular paper.

#### a. Moderation of Marks

(a) Internal Examinations: If there are more than one teacher associated in any internal assessment, one of the member be made co-ordinator by the concerned HOD and he along with the others can moderate the marks to maintain uniformity so that no student get undue advantage or disadvantage. It can be done by fixing criteria beforehand.

(b) External Examination: if there is unusual variation (very high or very low) in the awards, the COE may refer the matter to a Moderation Committee consisting of

- i. Controller of Examination
- ii. HOD of the concerned department
- iii. One faculty member concerning the subject

b. In case, the candidate has failed in the internal examination, the internal examiner may conduct the re-examination as and when feel suitable with prior approval of the head of the department.

#### 10. Grading

The academic performance of a student shall be graded on a scale as prescribed by the examination branch of the university. The award of grades based upon marks obtained out of 100 shall be made as follows:

Academic Performance	Letter Grades	Grade Points (p)
Outstanding	A <sup>+</sup>	10
Extraordinary	A	09
Excellent	B <sup>+</sup>	08
Very Good	B	07
Good	C <sup>+</sup>	06
Average	C	05
Poor	D	04
Very Poor	E	03



10.1. For the award of grades in a subject, all component wise evaluation shall be done in marks. The award of grades based on absolute marks (irrespective of no students) out of 100 shall be made as follows:-

<u>Marks</u>		<u>Grade</u>		<u>Marks</u>
90	≥	A <sup>+</sup>	≥	100
80	≥	A	≥	89
70	≥	B <sup>+</sup>	≥	79
60	≥	B	≥	69
50	≥	C <sup>+</sup>	≥	59
40	≥	C	≥	49
30	≥	D	≥	39
0	≥	E	≥	29

Note: Pass grade is C grade or Higher.  
D and E grade indicates fail.

10.2 The minimum passing marks/grade for passing any semester Examination shall be:

10.2.1 Minimum pass grade in each course is 'C' grade. Grade will be awarded after adding the marks of sessional and major test/practical examination.

10.2.1 After finalization of the marks the same shall be displayed on the department notice board for duration of two days for the information of students. Students, who have specific grievance against the marks awarded to her, may discuss the same with the concerned course co-ordinator who after consideration of grievance of all students shall finalize the marks to be awarded for the course.

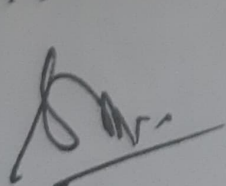
10.2.2 Before submission of the finalized award list in a prescribed formation to the concerned administrative office of the individual course co-ordinator shall discuss the marks distribution for his/her faculty of study. However, the final decision with regards to marks will vest with the course coordinator.

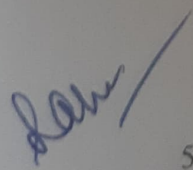
10.2.3 On receipt of the award lists for all courses offered by a given faculty of study the concerned administrative office shall put up the consolidated results for that faculty for discussion and approval from the departmental staff council (all staff members)

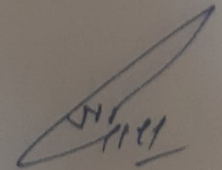
10.2.4 A candidate who fails to obtain the requisite marks/grade in any course shall be required to appear in the concerned course in the subsequent examinations.

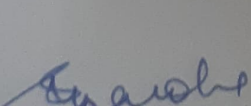
10.2.5. '**C**', '**D**' and '**E**' Grades: The 'C', 'D' and 'E' grades denote poor and very poor performance, i.e. failing a course. A student has to repeat all compulsory (Core) courses in which she obtains either 'C', 'D' or 'E' grades, until a passing grade is obtained.

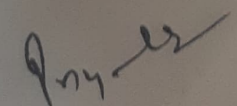
**11. Promotion:** The student will be promoted to second year but she has to pass all the assigned papers and dissertation in duration of four years.











## 12. Attendance:

- 12.1 No candidate shall be considered to have pursued a regular course of the study unless she has attended not less than 75% of the lectures in each paper/seminar case discussion, field trips, tutorials etc. This requirement shall be fulfilled separately for each course of study. A deficiency upto 10% may be condoned by the Chairperson of the Department on the basis of the medical ground / other justifiable reasons.
- 12.2 If a student is absent from the Department for more than four weeks without notifying to the Chairperson/course co-ordinator of Department, her name will be struck off from the department rolls with information to the academic branch.
- 12.3 In case the student name is struck off due to nonpayment of fee and is readmitted later, her attendance shall not be counted for that period.

## 13. General Guidelines:

- 13.1 Where this document is silent about any rule, the University regulations from time to time will be applicable.
- 13.2 Admission, teaching schedule, preparatory holidays, examination, winter, summer vacation, shall be followed as specified in academic calendar of the university.
- 13.3 A student is deemed to have completed the requirements for degree and is eligible for the award of degree if:
  - 13.3.1 She has satisfied all the academic requirements as per the regulations; and
  - 13.3.2 She has paid all fees dues from her; and
  - 13.3.3 There is no case of indiscipline pending against her.
  - 13.3.4 Satisfy the minimum academic requirements;
  - 13.3.5 A student who has completed all the graduation requirement listed above shall be eligible for the award of degree/certificate. However under exceptional circumstance, where gross violation of the graduation requirement is detected at any later stage, the academic council may recommend to the executive council to withdraw the degree/pg diploma already awarded.
- 13.4 The gap of one/two semesters missed by the student(s), as the case may be, will be counted towards the total duration of the programme permissible under the regulations.
- 13.5 Absences of registered students from class during a semester shall be discouraged. However for bonafide reasons such as illness, maternity a student may be granted leave of absence as per the provision of leave rules for student framed by the academic council.
- 13.6 All academic problems of the students other than those affecting the University rules and regulations framed from time to time may be looked into by the Dean of Academics Affairs.

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