ACADEMIC RULES, REGULATIONS AND ORDINACES

FOR

MASTER OF TECHNOLOGY (M. TECH.) PROGRAMME

(Effective from Academic year 2021-22)

Quest for Excellence

G. S. Mandal's

Maharashtra Institute of Technology, Aurangabad

(An Autonomous Institute affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad)

ACADEMIC RULES, REGULATIONS AND ORDINANCES

1. Short Title and Commencement

a) These ordinances shall be called the Ordinances for Master of Technology (M. Tech) Programme run by the G. S. Mandal's Maharashtra Institute of Technology (MIT), Aurangabad permanently affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

b) These ordinances shall come into force with effect from such date as approved by the authorities of G. S. Mandal's Maharashtra Institute of Technology, Aurangabad.

2. Definitions

Unless the context requires otherwise,

a) **Academic Council**: It means Academic Council of the Institute

b) **"Applicant"** shall mean an individual who applies for admission to any M. Tech. Programme.

c) **BoS:** It means Board of Studies of a specific Department of the Institute.

d) **Choice Based Credit System (CBCS):** The CBCS provides choice for students to select from the prescribed courses (core, elective or minor or soft skill courses).

e) **Credit Point:** It is the product of grade point and number of credits for a course.

f) **Grade Point:** It is a numerical weight allotted to each letter grade on a 10-point

g) **Letter Grade:** It is an index of the performance of students in a said course. Grades are denoted by letters O, A+, A, B+, B, C and D

h) **Cumulative Grade Point Average (CGPA):** It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.

i) **Semester Grade Point Average (SGPA):** It is a measure of performance of work done in a semester. It is ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.

j) **"Course":** All courses need not carry the same weight. The courses should define learning objectives and learning outcomes. A course may be designed to comprise lectures/ tutorials / laboratory work/ field work/ outreach activities/ project work/ /viva/

seminars/term papers/assignments/ presentations/ self- study etc. or a combination of some of these.

k) **"Degree"** shall mean the Master's degree viz. M. Tech. and such other degrees of the university as may be approved by the authorities concerned.

l) **"Programme"** means offering of the University for the Award of degree in a specific branch of study.

m) **"Student"** shall mean a candidate admitted for a post-graduate programme for full time study leading to Master's degree.

n) **"Scheme of Teaching and Examination"** shall mean the scheme of teaching and examination for a programme of study as approved by the authorities.

o) **"PG"** shall mean Post-graduate.

p) **Semester:** Each semester will consist of academic work equivalent to 90 actual teaching days.

q) **Dissertation:** It is a part of a broader post-graduate research project. A lengthy piece of written work that includes original research or expanded research on a new or existing topic.

r) **Seminar:** Seminar is presentation given by a student on advanced topic selected in consultation with guide.

s) **Project:** A sequence of tasks that must be completed to attain a certain outcome.

t) **MOOC:** A massive open online course (MOOC) is a model for delivering learning content online to the students who wants to take a course, with no limit on attendance.

u) **Transcript or Grade Card or Certificate:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester and CGPA earned till that semester.

3. Preamble

The Regulations prescribed herein have been made by MIT, an autonomous institution, permanently affiliated to the Dr. Babasaheb Ambedkar Marathwada University, Aurangabad to facilitate the smooth and orderly conduct of its academic programmes and activities at the M. Tech. It is expected that the Regulations will enable the students to take

advantage of the various academic opportunities at the Institute and prepare themselves to face the challenges in their professional careers ahead. It may be noted that:

The provisions made herein shall be applicable to all the M. Tech Programmes offered at the Institute, at present;

Academic and non-academic requirements prescribed by the Academic Council have to be fulfilled by the students for eligibility towards the award of M. Tech degree.

The rules and regulations stated hereunder are subject to revisions/ modifications/ amendments by Academic Council from time to time and are applicable to all the batches existing and/or future as per the decisions by Academic Council.

All the academic activities shall be scheduled as per the academic calendar approved by Academic Council and notified at the start of each academic year/semester.

4. Introduction

Gramaudyogik Shikshan Mandal (GSM), Aurangabad, Maharashtra, India is the parent trust (Organization) established in 1975. Maharashtra Institute Technology (MIT), Aurangabad offers wide range of courses for graduation and post-graduation level in faculty of Engineering & Technology. The institute is permanently affiliated to Dr. Babasaheb Ambedkar Marathwada University (BAMU), Aurangabad and is approved by AICTE, Delhi and DTE Maharashtra. NAAC has accredited the institute with Grade 'A'. MIT has received recognition under Section 2(f) and 12 (B) of the UGC Act, 1956. UGC has granted of autonomous status to our institute. MIT has got accreditation from Department of Science and Industrial Research (DSIR), Ministry of Science and Technology, Government of India as a Science and Industrial Research Organization (SIROs). MIT has been empaneled under Unnat Maharashtra Abhiyan, a project by Ministry of Higher and Technical Education, Government of Maharashtra. MIT has been also selected under Unnat Bharat Abhiyan, a flagship programme of Ministry of Human Resource Development (HRD), Government of India. MIT is an Approved ESCO = Empaneled as Energy Service Company approved by Bureau of Energy Efficiency (BEE), Ministry of Power, Government of India. MIT has developed strong linkages between industry, government & non-government organizations. MIT is pioneer in establishing mutually beneficial triangular partnership among academic institutions, industry and government organizations. It also provides solutions to live problems and works on

research projects of industries. MIT is associated with GIZ, Germany, Tata Technologies and MASSIA for working on live industry projects. Institute has association with more than 300 companies for one semester mandatory In-Plant Training for B. Tech Final year students. Institute has recognized Ph.D. Research Centers in Mechanical Engineering and Electronics and Telecommunications affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

MIT is offering the post-graduate (PG) programs leading to Master's Degree in Technology Since last 10 years. The admission to PG program is as per the norms set by All India Council for Technical Education (New Delhi), the competent authority of the Government of Maharashtra/ DTE Mumbai and Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and which shall be applicable at the time of admission. The list of programs offered is as given in the following Table.

Sr. No.	Program
1.	M. Tech. in Computer Science & Technology
2.	M. Tech. in Electronics and Telecommunication
3.	M. Tech. in Food Processing Technology
4.	M. Tech. in Mechanical Engineering

All the Post-graduate degree programmes will be governed by the rules and regulations approved by Academic Council. The examination system is governed by the examination rules and regulations.

The rules and regulations mentioned in this document are applicable to all post-graduate programmes offered by the institute.

The rules and regulations stated hereunder are subject to revisions/ amendments by Academic Council from time to time.

5. Instructions

Instructions about the curriculum in the various subjects in each semester of all the two years shall be provided by the Institute.

The details of instruction period, examination schedule, vacations etc. shall be notified by the Dean (Academics and Quality Assurance) of the Institute as per the Institute academic calendar approved by Academic Council.

The medium of instructions and examination shall be English except the courses related to foreign language or any other language.

The minimum entry qualification and procedure for admission to PG programmes shall be as per the directives of the Competent Authorities from time to time.

PG student shall be required to earn minimum number of credits through various academic courses of a curriculum as provided for in the ordinance/regulation of the institute approved by academic council.

A PG student shall be required to complete all the requirements for the award of the Master's degree within such period as may be specified in the Ordinances/Regulations as approved by academic council, including those credits earned at such other institutions/courses as have been recognized by the Institute for this purpose.

The date of initial admission for the PG programme shall normally be the date on which the student formally registers for the first time. This date shall be treated as the date of joining the programme for all intents and purposes.

A student shall be required normally to attend every lecture, tutorial and practical class. However, for late registration, sickness or other such exigencies, absence may be allowed as provided for in the ordinances/regulations approved by academic council.

The procedure for the withdrawal from a post-graduate programme, rejoining the programme, the award of grades and the SGPA/ CGPA, the examination and all such matters as may be connected with the running of a PG programme shall be as specified in the ordinances/regulations approved by Academic Council.

The award of the PG degree to an eligible candidate shall be made in accordance with the procedure laid down in the ordinances/regulations approved by Academic Council.

A student admitted to the PG programme shall abide by the "Standing Orders for Students" issued by the Institute from time to time. These standing orders shall deal with the discipline of the students in the Hostels, Departments, and the Institute premises and outside. The standing orders may also deal with such other matters as are considered necessary for the general conduct of the students, co- curricular and extra-curricular activities. The Director of the Institute shall approve these standing orders.

Notwithstanding anything contained in the above ordinances, no regulations shall be made in contravention of the directives of the Government of Maharashtra, in regard to the duration of the PG programme.

Regulations for the Post-graduate Programme (M. Tech.)

General

These regulations shall be called the regulations for the Master of Technology programmes of the Institute.

These regulations shall come into force from the academic year 2021-22.

Regulation 6001

6. A) Post-graduate Programme

The Post-graduate Programme offered shall lead to Master's degree in Technology (Specialization)

The duration of PG programme leading to degree of M. Tech. is normally of Two years (Four semesters).

6. B) Semester System

The academic programmes in the Institutes affiliated to university shall be based on Semester system: two semesters in a year with minimum 90 working days in each semester.

Each course shall have a certain number of credits assigned to it depending upon the academic load of the course, which would be assessed on the basis of weekly contact hours of theory lectures and laboratory classes, field study. The credits for the project/internship shall be assigned depending upon the quantum of work expected.

The courses offered in a semester shall be continually assessed and evaluated to judge the performance of a student.

Ordinance 5001

7. Admission

i) Admissions for regular entry (first year) are strictly based on guidelines and rules specified by competent authorities from time to time.

ii) Admission at the beginning of each year is compulsory for every student on the prescribed dates announced from time to time by payment of the stipulated fees till he/she completes the Programme.

iii) The Institute reserves the right to revoke the admission made to a student if it is found at any time after admission that he/she does not fulfill all the eligibility requirements for the admission to the PG programme as laid down by the Competent Authority.

iv) At the beginning of the first semester of the PG Programme, every student shall be required to register his/her profile on the Institute ERP portal and every student shall be allocated with a unique Permanent Registration Number (PRN), which shall be used to identify a student at any time. The PRN shall be valid till the student completes the program or cancels admission or is expelled from the institute. The number shall be

Admission Year	Degree Level	Entry Level	Sr. No
(4 Digit)	(2 Digit)	(2 Digit)	(4 Digit)
YYYY	DL	EL	NNNN

Degree Level	Code
PG	02

Entry Level	Code
First Year	01
Any other mode	02

Programme Code	Code
B. Tech. (Agricultural Engineering)	01
B. Tech. (Artificial Intelligence and Data Science)	02
B. Tech. (Civil Engineering)	03
B. Tech. (Computer Science and Engineering)	04
B. Tech. (Electrical Engineering)	05
B. Tech. (Electronics and Computer Engineering)	06
B. Tech. (Mechanical Engineering)	07
B. Tech. (Plastic and Polymer Engineering)	08
M. Tech. (Food Processing Technology)	11
M. Tech. (Computer Science and Technology)	12
M. Tech. (Electronics and Telecommunication)	13
M. Tech. (Mechanical Engineering)	14
Master of Business Administration	21
B. Voc. (Food Processing)	31
B. Voc. (Refrigeration and Air Conditioning)	32

v) Once the student is admitted to the concerned Institute/Programme, he/she will be promoted to the next semester of that academic year with full carryon.

vi) For admission in second year, the student must have at least ATKT in the previous year. For example, for admission to third semester (i.e., Second Year), a student must have earned all credits of first year or at least have ATKT in first year.

Regulation 6002

8. Entry from University Pattern to Autonomous Pattern

Students admitted to institute in pre-autonomous status and desirous of seeking re-admission shall be eligible for admission in autonomous status only in odd (1st, 3rd) semesters. Such students should have passed all the courses of previous semesters or fulfill the prevailing norms of affiliating university. The students admitted through norms of affiliating university shall clear backlog courses by appearing for the respective examinations of affiliating university. Further they shall undergo additional academic requirements (bridge course) if any as specified by the BoS of the respective department and approved by the academic council to be at par with Institute autonomous curriculum.

Regulation 6003

9. Change of Program

Students are not eligible for change of program once registered for specific programme.

Regulation 6004

10. Temporary withdrawal

a) A student will be permitted to withdraw temporarily from the program based on following rules.

b) The withdrawal shall be considered for complete semester or year.

c) The student shall apply to Registrar office through HoD and Dean (Academics and Quality Assurance) for such withdrawal with stating the valid reason for such withdrawal supported by relevant documents and written consent from parents and duly recommended by HoD and Dean (Academics and Quality Assurance) and No dues certificate from the concerned departments and sections.

d) Registrar office shall pursue the case and put up the case to Academic Council for approval.

e) Normally students will be entitled to avail temporary withdrawal facility only once during the program duration. Any additional request for withdrawal shall have to be approved by Academic Council.

Regulation 6005

11. Academic Calendar

a) Each Academic Year shall be divided into two main semesters, each of 20 weeks, viz., odd semester (July – November) and even semester (January – May) and 2/3 weeks Summer Term. In case of unrecorded situation, the academic semester are likely to vary accordingly with necessary approval from academic council.

b) The Institute shall arrange regular academic activities for the students during the two main semesters.

c) The academic activities in a semester shall normally include course registration, teaching-learning process comprising of course work, Continuous In-semester Evaluation (CIE), dropping/withdrawal from courses, End Semester Examination (ESE) and declaration of results, make-up examination and other academic activities, holidays and students' major activities schedule.

d) The Institute shall announce the schedule for all the academic activities well before the commencement of the Academic Year and take all the necessary steps to follow them thoroughly.

e) The non-conduct of any academic activities on any particular teaching day for whatever the reason shall be compensated by having academic sessions on suitable day by following the academic schedule of the lost teaching day.

f) The Institute shall also announce adequate semester breaks for the students and ensure that a minimum of 90 academic working days in each semester.

g) A typical breakdown of the Academic Year for the M. Tech programme at the Institute shall be as suggested in Table 1:

Table 1: Proposed Breakdown of Academic Year into Semesters

1.	Semesters	Two Main Semesters (Odd and Even)
2.	Semester Durations	Main Semesters: Approx. 20 Weeks each.

3.	Academic Activities and Examinations (Weeks):	Main Semester (Odd or Even): Registration of Courses- 2 days; Course work- 90 Working days; Examinations- 2/3 weeks; Declaration of Results- 7 days after last day of the Examination; Total: 20 weeks; Make-up Examination: (For failed courses in odd and even Main semesters) Registration of Courses for Make-up Examination- 1 day; Make-up Examination Preparation- 1 Week; Re-Examinations- 1 Week; Declaration of Results- 3 days; Total: 3 weeks. Summer Term (For Internship): Course Work- 2/3 weeks Inter-Semester Break: After odd Main Semester- 3 weeks. After even Main Semester – 4 weeks;

Ordinance 5002

12. Programme Duration

a) The minimum duration of the PG Programme for a student to complete the academic and other requirements at the Institute and qualify for the award of Degree by the University shall be normally of 4 semesters, i.e. 2 Academic Years.

b) The maximum duration for the course completion shall be of 8 semesters, i.e., 4 Academic Years from the first date of registration in the Institute.

c) The admission of student will be automatically cancelled if he/she fails to complete the course in maximum period (Four Years/ Eight Semesters for first year admitted students).

d) Clause (b) above shall apply to three types of students at the Institute:

  i)   Those who wish to complete the PG Degree requirements comfortably without encountering failure in any course;

  ii) Those who failed to complete the due credits of a particular semester and went on to accumulate the backlogs.

iii) Those who wish to avail a temporary withdrawal from the Programme after receiving approval from the Authorities.

e) A student shall not be awarded a PG Degree for a Programme if the Cumulative Grade Point Average (CGPA) at the end of the programme is less than5. For such students, the Performance (CGPA) Improvement Scheme is recommended wherein the student is eligible to take any two courses for improvement. The details about the Performance (CGPA) Improvement Scheme are given in Section 25.

Regulation 6006

13. Course Structure

The course offered shall have an alphanumeric course code consisting of a string of six characters. The first two characters in a course code shall be capital letters stands for the post graduate degree in Master of Technology. Third capital letter shall identify the responsible department/category of the course. The next three numerical digits give the following information. The first digit specifies the year of study of the PG course. Second and third digit specifies the serial number of the Course.

Proposed Coding System of Course/Paper Six digit code for a Course (PG courses)

1	2	3	4	5	6
M Tech		Department	Year	Course No.	
	MT	M (Mech)	1 First year PG	Semester I 1 -10 Theory Core 11-20Practical (Core/ Professional) 21-30 Professional Electives 31-40 Open Electives Semester II 41 -50 Theory Core 51-60 Practical (Core/ Professional) 61-70 Professional Electives 71-80 Open Electives	
	MT	E (ETC)	2 Second year PG		
	MT	C (CSE)			
	MT	F (F&T)			

Regulation 6007

14. Course Credits

Each course, except a few special courses, has certain number of credits assigned to it depending on lecture, tutorial and laboratory contact hours in a week.

This weightage is also indicative of the academic expectation that includes in-class contact and self-study outside of class hours.

a) Lectures and Tutorials: One lecture or tutorial hour per week per semester is assigned one credit

b) Practical/ Laboratory: Two hours per week per semester is assigned one credit.

c) Seminar/Minor Project: Two hours per week per semester is assigned one credit.

d) Dissertation I & II: Two hours per week per semester is assigned one credit.

Example: Course XXXX with (3-1-2) as (L-T-P) structure,

The credits indicated for this course are computed as follows:

3 hours/week lectures = 3 credits

1 hour/week tutorial = 1 credit

2 hours/week practical = 2 x 0.5 = 1 credit, (3x1 + 1x1 + 2x0.5 = 5 credits).

4 hours/week seminars / minor project = 4 x 0.5 = 2 credits,

18 hours/week Dissertation-I = 18 x 0.5 = 9 credits,

24 hours/week Dissertation-II = 24 x 0.5 = 12 credits.

Regulation 6008

15. Academic Monitoring Committee for Postgraduate Program

Every Post-graduate programme of the Institute shall be monitored by a committee constituted for this purpose by the Institute. The committee shall consist of Director as a Chairman and Senior Faculty members as its members.

Regulation 6009

16. Termination of Enrolment on Academic/Disciplinary Grounds

The enrolment of a student may be terminated on Academic /Disciplinary grounds, in accordance with the Standing Orders for the students.

Regulation 6010

17. Course Registration for the Semester

At the beginning of the first semester of the PG Programme, every student shall be required to register his/her profile on the Institute ERP portal and every student shall be allocated

with a unique Permanent Registration Number (PRN), which shall be used to identify a student at any time.

To help the students in planning their courses of study and for general advice on the academic programme, the Head of the Department of the students will appoint a teacher of the Department who shall function as PG Coordinator for those students throughout their period of study in the institute. The PG Coordinator shall advise the students in registering and reappearance of courses, authorize the process, monitor their attendance and progress and counsel them periodically. The Class Teacher shall also discuss with or inform the parents about the progress / performance of the students concerned.

The responsibilities for the PG Coordinator shall be:

- To inform the students about the various facilities and activities available to enhance the students' curricular and co-curricular activities.
- To guide students on enrollment and registration of the courses.
- To authorize the final registration of the courses at the beginning of each semester.
- To monitor the academic and general performance of the students including attendance and to counsel them accordingly.

  Students who fail to register for course work on the notified date may be permitted by the Department for late registration till the last date of registration announced in the Academic Calendar after payment of additional late registration fees fixed by the Institute.

  Only those students shall be permitted to register for course work that have:

a) Cleared all dues of the Institute, Hostel and Library including fines (if any) of the previous semester/year.

b) Made all the required advance payments towards the Institute and Hostel dues for the current semester before the closing registration date and not been debarred from registration of courses on any other specific ground.

Regulation 6011

18. Attendance, Absence, Leave Rules and Dismissals

a) All the students are expected to be present in every lecture, tutorial, practical, Mandatory Courses / Other Academic Activities scheduled for them. Attendance will be closely monitored during a semester as per the guidelines.

b) Post-graduate student must have a minimum attendance of 75% of the total number of classes including lectures, tutorials and practical for every course of study, before the corresponding examination i.e. End Semester Examination, in order to be eligible to appear for the respective examination in the course, failing which the student will be detained in the said course and needs to get himself/herself re-admitted for semester/year as the case may be.

   i) In special cases and for sufficient causes shown, the Director of the institute may, on the specific recommendation of the Head of the Department and subsequently Dean (Academics and Quality Assurance), condone the deficiency in attendance to the extent of 10 % on medical ground subject to submission of medical certificate.

   ii) However, in respect of women candidates who seek Condonation of attendance due to pregnancy, the Director of the Institute may condone the deficiency in attendance to the extent of 25 % (as against 10 % Condonation for other) on medical grounds subject to submission of medical certificate to this effect. Such Condonation shall not be availed twice during the course of study.

c) Students desirous of continuous leave of absence for less than two weeks during a semester shall apply for it in advance to the Head of the Department providing reasons and supporting documents, if any and get it approved.

d) In the case of the long absence of a student in a semester with prior approval or otherwise, the Director shall decide whether the student be asked to withdraw from the Programme for that particular semester.

e) In case of the candidates who fail to put in the required attendance in a course of study, he/she shall be detained in the same class and will not be recommended to appear for the end semester examination.

f) A candidate detained in semester I should take readmission in next academic year as a regular student and shall have to complete all the theory and practical as a regular student.

g) In case a candidate is detained in semester II, he/she should take admission to Semester II of next academic year and complete all the theory and practical as a regular student of semester II.

h) If student is found guilty of malpractice in examinations, involvement in ragging and overall misconduct during his/her stay in the institute, he/she will be punished as per the prevailing rules from the competent authorities.

Regulation 6012

19. A) Rules for Examination

a) Application for permission to appear at every examination shall be made in the prescribed format through ERP and the prescribed fee, should be submitted to the Registrar Office (Student Section) of the institute on or before the date fixed for this purpose.

b) When a candidate's application is found in order and he/she is eligible to appear at an Examination, the Examination Cell of the institute will generate Hall-Ticket with the photograph affixed to it, enabling the candidate to appear in the Examination, and this Hall- Ticket shall have to be produced by the Candidate before he/she is admitted to the premises where the Examination is being held.

c) A Candidate who does not present himself/herself for the examination for any reason whatsoever, excepting shortage of attendance, shall not be entitled to claim refund of the whole or part of the examination fee, for subsequent Examination(s).

d) As Master of Technology is a full-time course, no candidate shall be allowed to put in attendance for a course or appear at examinations for different degrees and different faculties at one and the same time.

e) Students who have appeared once at any examination of the course need not put in fresh attendance, if they wish to reappear at the corresponding examination, notwithstanding the fact that the Institute might have introduced new subject. They will, however, have to appear at the examinations according to the scheme of examination and syllabi in force.

f) If a student fails or is absent in the End Semester Examination (ESE) of a course, he/she may appear for makeup examination.

19. B) Examination Scheme

a) A student shall be evaluated for his/her academic performance in a course through Continuous Assessment and End Semester Examination.

b) Continuous assessment consists of two components. First will be Mid Semester Examination (MSE). There would be two MSE, out of which one may be online examination during the semester. The weightage of the MSE for the course shall be of 15 Marks for MSE-1 and 15 Marks for MSE-2 and the MSE performance shall be considered as an addition of two MSEs. Second component is Teachers Assessment (TA) which is based on Presentations, Quiz, Group Discussion, home assignment addressing carries weightage of 20 Marks. There shall not be re-examination/re-evaluation for MSE and TA.

c) End Semester Examination shall be having weightage of 50 Marks. At the end of the semester, there would be an End Semester Examination based on the complete syllabus scheduled as per the academic calendar approved by academic council. For the examination, the minimum percentage for passing for each course code, term work and practical examination is 40 %, failing which he/she will get D grade for that course code.

d) The dissertation supervisor will periodically review the student progress over the period and finally give his assessment of the work done by the student in terms of term-work marks for dissertation-I and dissertation-II.

e) Submission of Dissertation-II:

f) Student should have passed all the courses of semester-I, semester-II and semester-III.

g) Internal defense shall be assessed by Departmental Dissertation Review Committee (DDRC) consisting of respective Head of the Department, supervisor of the student concerned and two nominated subject experts from the department.

h) The student will be allowed to submit the dissertation/thesis subject to satisfactory defense.

i) If internal defense is not found satisfactory, the student will have to do more work as suggested by the DDRC. The student shall thereafter deliver another internal defense within one month.

j) Four bound copies of the thesis (along with a soft copy) shall be submitted to Controller of examinations through M. Tech Coordinator.

k) Dissertation-II viva-voce shall be arranged by the Controller of Examinations within 15 days (maximum). The external examiner shall be appointed from other

university by the respective department through examination cell. The external examiner will conduct the viva-voce along with the internal examiner.

l) Post Graduate in Master of Technology has three credits for the Massive Open Online Course (MOOC) in the third semester. It is mandatory for the student to complete one MOOC course related to his/her programme of study. Credits can be given to the students after successful completion of the MOOC course. In the case of a failed MOOC course, where the examination is taken by the MOOC platform, the Make-up examination shall be conducted at the Institute. However, the similar grading scheme of course originally conducted in MOOC platform shall be considered for the grade award. The academic council of the institute will have the right to change the policy of credits transfer for MOOC courses and students will have to imitate it.

m) Credit Transfer Scheme (CTS) through MOOC:

n) The online learning courses available on the SWAYAM Platform will be considered for credit transfer.

o) Only those MOOC courses are allowed for Credit Transfer which have credits more than or equal to the credits assigned to it in the curriculum.

p) The MOOCs courses decided by the respective Board of Studies (BoS) and approved by academic council shall be of advanced or recent topics. They should not have similar or overlapping contents vis-a-vis the courses offered by the respective Board of Studies.

q) Rule for combined passing:

    i) To pass the examination a candidate must obtain minimum 40% of Marks in continuous assessment and End Semester Examination (ESE), taken together, however the candidate must obtain minimum 35% of Marks in the End Semester Examination.

    ii) To pass a course where there is no provision of continuous assessment, the candidate must obtain 40% of Marks in the End Semester Examination.

    iii) Two-MSEs should be conducted in a semester for a Course. The addition of performances in two-MSEs should be forwarded to the Dean (Examinations and Evaluation).

iv) If the candidate remains absent for the MSE, his/her performance should be treated as 'Zero' Marks for the purpose of result.

Regulation 6013

20. The Grading System

The grading reflects a student's own proficiency in the course. A ten point rating scale shall be used for the evaluation of the performance of the student to provide letter grade for each course. Grade points are based on the total number of marks obtained by him/her in all the heads of the examination of the course. These grade points and equivalent range of marks are shown in Table-2.

Table-2: Ten Point Grades and Description

Grade	Marks obtained (%)	Grade Points	Description
O	91-100	10.0	Outstanding
A+	81-90	9.0	Excellent
A	71-80	8.0	Very Good
B+	61-70	7.0	Good
B	51-60	6.0	Above Average
C+	41-45	5.0	Average
P	40-44	4.0	Pass
F	Below 40	0.0	Fail
Ab			Absent
Ex			Extension

Minimum C grade (4.00 grade points) shall be limit to clear/pass the course/subject.

A student with F grade will be considered as 'Failed' in the concerned course and he/she has to pass the course by appearing in re-examination.

Every student shall be awarded grade points out of maximum 10 points in each course/subject (based on 10 point scale). Based on the grade points obtained in each course/subject, semester grade point average (SGPA) and then cumulative grade point average (CGPA) shall be computed.

The performance of a student is evaluated in terms of two indices, viz,

The Semester Grade Point Average (SGPA) which is the Grade Point Average for a semester. SGPA is rounded up to second decimal.

$$SGPA = \frac{\text{Sum (course credits in passed course X earned grade points in passed course)}}{\text{Sum (Course credits in registered courses)}}$$

Cumulative Grade Point Average (CGPA) which is the Grade Point Average for all the completed semesters at any point in time. CGPA is rounded up to second decimal.

$$CGPA = \frac{\text{Sum (course credits in passed courses X earned grade points in passed courses) of all semester}}{\text{Sum (Course credits in registered courses) of all semesters}}$$

At the end of M Tech program, student will be placed in any one of the divisions as detailed below.

1st Division with distinction : CGPA ≥ 7.0 and above

1st Division   : CGPA ≥ 6.0 and < 7.0

2nd Division   : CGPA ≥ 5.0 and < 6.0

Conversion of CGPA to percentage marks for CGPA ≥ 5 can be obtained using equations:

Percentage marks = (CGPA)*10

Regulation 6014

21. Paper Showing (Open House) and Grievance Handling

a) After MSE-I and MSE-II and marks entry in the prescribed format, the Course Teacher shall prepare the two copies of the mark list duly signed by him/her and respective HoD. One Copy of the mark list shall be submitted to the department and one copy of mark list shall be displayed. HoD shall submit the mark list submitted by every course teacher to the Examination Cell as per the prescribed schedule. Every course teacher shall show the answer sheets to the students on the scheduled date of Open House.

b) After the declaration of results of End Semester Examination, Examination Cell shall handover the answer sheets to the departments. HoDs shall distribute the answer sheets

to the concerned course teacher. Every course teacher shall show the answer sheets to the students on the scheduled date of Open House.

c) For MSE-I, MSE-II and ESE, after the evaluation of answer sheets the students are shown the marks. Students can fill up the verification forms if they have any queries or grievances regarding the evaluation of their answer sheets. A Grievances Redressal Committee will be appointed to address the queries /grievances. The result of the verification will be intimated to the concerned students and faculty member on the same day of Open House. Grievances Committee Report signed by BoS Chairman and Dean (Academics and QA) with the changes made shall be submitted to Examination Cell duly through Director's Office. All the answers sheets of MSE-I and MSE-I shall be maintained with the department and all the ESE answer sheets shall be submitted to the Examination Cell on the same day by the concerned BoS Chairman.

d) If student remains absent for the declared date for paper showing he/she is not entitled to file grievance after the date.

e) The verified/ modified marks of MSE-I, MSE-II and ESE shall be used in the grading process.

Ordinance 5003

22. Scrutiny of Grades

A student may apply for scrutiny of grades to the Dean (Examinations and Evaluation), by paying the specified fees, within seven days from the date of scheduled display of grades. The Faculty Coordinator / Dean (Academics and Quality Assurance) will communicate the panel of experts to the Dean (Examinations and Evaluations) for checking the entry of the weightage from different components of evaluation and their addition, the addition of marks in the final answer scripts and unchecked questions, etc., if any. Based on recommendations by panel, the Director of evaluation will take appropriate steps for further evaluation of grades/marks. The results of scrutiny may lead to either a change in grade due to error(s) in any of the aspects scrutinized by the committee or the grade may remain unchanged, Dean (Examinations and Evaluations) will display the results. In the event of no change in the grade after revaluation, it shall be declared as "No Change".

Ordinance 5004

23. Award of the Degree

Following are the rules for the award of degree

a) A student will be awarded the Master's degree if he/she earns 66 credits and clears all the courses specified in the syllabus.

b) The student should have taken and passed all the prescribed courses under the general institutional and departmental requirements and the student should have paid all the dues.

c) The student should have satisfactorily fulfilled other academic requirements like visits pertaining to project/dissertation, seminar and the dissertation and the student should have no case of indiscipline pending against him/her.

d) The student should have published at least one research paper in reputed international/national conference or refereed international/national journal.

e) The credits for the courses in which a student has obtained "C" (minimum passing grade for a course) grade or higher shall be counted as credits earned by him/her.

f) A student has obtained CGPA ≥ 5.

g) A student has paid all the institute dues and satisfied all the requirements prescribed.

Ordinance 5005

24. Grade Improvement Policy

a) Students who secure CGPA less than 6.00 after completing the pre-requisite credits for the award of the degree and wish to improve their CGPA shall be permitted for CGPA improvement. Such students shall be permitted to withdraw their grade in each course with poor grade and permitted to reappear for the examinations for improving the grade and in turn CGPA.

b) A student shall appear for grade improvement examination within one year from the date of passing the PG Programme with the conditions that the student has not taken (i) Leaving Certificate from the Institute and ii) Degree from the Dr. Babasaheb Ambedkar Marathwada University through convocation.

c) A student seeking permission to register for CGPA improvement shall submit a written application within the stipulated time to the Registrar office through the

Head of the Department from where the student has graduated. No student shall be admitted once the semester credit registration process of that semester ends.

d) A student shall choose a maximum two/three theory courses from a particular semester (either odd or even) offered for the first year. The student shall be required to register for these courses in a particular semester in which those courses are offered by paying the appropriate fees as laid down by the institute from time to time

e) At the time of registration, the student shall be required to surrender all the original Semester Grade Reports given to him/her by the institute. He/she shall give an affidavit on Rs 100/- judicial stamp per course that he/she shall not do any use of surrendered Semester Grade Reports till he/she gets official results of the courses for which he/she wishes to appear for grade improvement. No change of courses or drop of courses shall be permitted after the course registration.

f) A student who wishes to appear for grade improvement shall be exempted from attending the regular classes since the student has already undergone the course instructions. But he/she shall have to appear for all the evaluation tests/ESE conducted for the registered courses. In the case the student misses any of the tests or examinations, no re-examination shall be permitted. Absentee for end-semester examination shall automatically lead to the award of grade F in that course.

g) The grading process as used for the regular students appearing for that course shall be applicable and no concession of any sort shall be granted on account of absentee for any of the examinations.

h) A student wishing to use the facility of grade improvement shall be required to pass in all the three courses in a single attempt. He/she shall not be entitled to the Re-examination in such cases.

i) If the student fails to secure higher grades resulting in a reduction in overall CGPA then the original result of the student before registering for grade improvement shall be retained.

j) A student who succeeds in improving CGPA shall be issued a fresh Semester Grade Report by the institute. These Semester Grade Reports shall have star against the courses for which the student has appeared for grade improvement and will state "Grade Improvement". The date on the new Semester Grade Reports shall be that

as issued for other students appearing in those courses. Name of the student shall be communicated to University and the student shall be required to apply for a degree certificate from the University thereafter.

Regulation 6015

25. A) Interpretation of Regulations

In case of any dispute, difference of opinion in interpretation of these regulations or any other matter not covered in these regulations, the decision of the Academic Council shall be final and binding.

25. B) Discretionary Powers

Notwithstanding anything contained in the above regulations or in any extraordinary situations as the Programme Head and/or Dean (Academics and Quality Assurance) think necessary, Director of the institute may take action on behalf of the university as he/she feels appropriate and report it to the Vice-Chancellor of the university.