ACADEMIC REGULATIONS

MASTER OF TECHNOLOGY (M.Tech.) PROGRAM

(Effective from 2024 - 2025)

NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL

Academic Regulations of M.Tech. Programs effective from 2024-25

1. INTRODUCTION:

Provision of these regulations shall come into force with effect from the academic year 2024 - 2025 and shall be applicable to all M.Tech. Programs (unless otherwise stated) offered by the Institute.

1.1 M.Tech Degree Programs are offered in the following specializations by the respective Engineering departments:

S. No.	Department	M.Tech Program Name
1	Civil Engineering	1. Engineering Structures 2. Geotechnical Engineering 3. Transportation Engineering 4. Water Resources Engineering 5. Geoinformatics 6. Environmental Engineering 7. Construction Technology and Management
2	Electrical Engineering	1. Power Systems Engineering 2. Power Electronics and Drives 3. Smart Electric Grid 4. Control & Automation (Jointly offered with Chemical Engineering) 5. Electric Vehicles
3	Mechanical Engineering	1. Thermal Engineering 2. Manufacturing Engineering 3. Computer Integrated Manufacturing 4. Machine Design 5. Automobile Engineering
4	Electronics and Communication Engineering	1. Embedded and Machine Learning Systems 2. VLSI System Design 3. Advanced Communication Systems
5	Metallurgical and Materials Engineering	1. Welding Technology & Non-destructive Testing
6	Chemical Engineering	1. Chemical Engineering 2. Sustainable Energy Generation & Storage Technologies
7	Computer Science and Engineering	1. Computer Science and Engineering 2. Computer Science and Information Security 3. Artificial Intelligence 4. Quantum Technology
8	Biotechnology	1. Biotechnology
9	Centre for Materials and Manufacturing	1.Materials and Manufacturing 2.Materials Science and Technology

1.2 The provisions of these regulations shall be applicable to any new discipline that may be introduced from time to time.

1.3 The medium of instruction for all programs offered in the Institute is English.

2. ADMISSION:

2.1 Admission to National Institute of Technology Warangal shall be made in accordance with the instructions received from the Ministry of Education (MoE), Government of India from time to time. Seats are reserved for candidates belonging to Scheduled Castes (SC), Schedules Tribes (ST), Other Backward Classes (OBC), Persons with Disability (PWD), Economically Weaker Section (EWS) and other categories as per the guidelines issued by MoE, from time to time.

2.2 Admissions are made on All India basis for all the programs, with reservations as per Government of India norms. The selection criterion for admission into all the M.Tech programs is based on valid GATE score through CCMT. The sanction of stipend will be as per the guidelines prescribed by MoE, Government of India from time to time.

2.3 The admissions under self-finance M.Tech. Programs will be based on written exam and interview conducted by the Department.

2.4 A limited number of admissions are offered to Armed Officers, Self- Finance and Foreign Nationals under Study in India (SII), ICCR etc. in accordance with the rules applicable for such admission, from time to time, issued by the MoE.

2.5 If, any time after admission, it is found that a candidate had not fulfilled all the requirements stipulated in the offer of admission, in any form whatsoever, including possible misinformation etc., the Dean-Academic shall report the matter to the Senate recommending for the cancellation of admission of the candidate.

2.6 The institute reserves the right to cancel the admission of any student and ask him/her to discontinue his/her studies at any stage of his/her studies on the grounds of indiscipline or any misconduct.

2.7 The decision of the Senate, regarding sections 2.6 and 2.7 above, is final and binding.

2.8 Candidates must fulfill the medical standards required for admission as prescribed by the Institute.

2.9 Every graduate student of the Institute shall be associated with his/her parent department offering the degree program that the student undergoes, throughout his/her study period.

2.10 Candidates seeking admission into M.Tech. in Engineering (including Self-finance) should have passed BE/B.Tech or equivalent degree in the subject concerned from a recognized University/Institute with not less than 60% marks aggregate or equivalent CGPA of 6.5 on a ten point scale for GEN/GENEWS/OBCNCL. In case of SC/ST/PWD candidates 55% marks aggregate or equivalent CGPA of 6.0 on a ten point scale is the eligibility requirement.

2.11 Eligibility and other criteria for admissions to M. Tech. courses of the Institute will be reviewed and decided by the Senate from time to time.

3. COURSE STRUCTURE:

3.1 An M.Tech. program is of 4-semester duration, out of which 2 semesters is course work followed by two semesters of dissertation work.

3.2 Each M. Tech degree program will typically consist of the following components:

a) Program Core Courses (PCC)
b) Program Elective Courses (PEC)
c) Seminar and Technical Writing
d) Summer Internship / Research Experience
e) Minor and Major Project

3.3 The Departmental Academic Committee – PG & Research (DAC-PG&R) will discuss and finalize the exact credits offered for the program for the components of 3.2, the semester-wise distribution among them, as well as the syllabi of all M. Tech. Programs along with course outcomes of each course, course articulation matrix and pre-requisites, from time to time and recommend the same to the Senate through Curriculum Development Committee for consideration and approval.

3.4 **Assignment of Credits to Courses:** Each course has a certain number of credit(s) assigned to it depending upon its lectures/tutorials/practical hours as shown below:

- Lectures and Tutorials: One lecture or tutorial hour per week over the period of one 14 week semester is assigned one credit.
- Practical: One laboratory hour per week over the period of one 14 week semester is assigned half credit.

4. DEGREE REQUIREMENTS:

A student shall fulfil the following requirements for the award of the M.Tech degree:

(a) Credit Requirements: Student shall earn a Minimum of 66 – 70 Credits as prescribed by the concerned Department with a CGPA of not less than 5.00 for the award of Degree.

(b) The minimum duration for a student for complying with the Degree requirement is *TWO* academic years from the date of first registration for his/her first semester.

(c) The maximum duration for a student for complying with the Degree requirement is *FOUR* academic years from the date of first registration for his/her first semester.

5. ACADEMIC CALENDAR:

The Institute follows a semester system. An academic year generally runs from July through April next year and is essentially comprised of two semesters. Typically, the 1st semester starts in the 3rd week of July and ends in the last week of November; the 2nd semester starts in the second/third week of December and ends in the last week of April.

5.1 The senate shall approve the schedule of academic activities for an academic year including the dates of registration, Mid and End-semester examinations. The duration of each semester will normally be of 17 weeks, which includes all examinations. The number of effective teaching weeks in a semester shall be 14.

5.2 Academic calendar is approved by the Senate in the beginning of each academic year, which also includes the date of the co-curricular and extra-curricular programs like

Technical seminars / Spring Spree/Institute Fest etc. Both students and faculty are required to strictly adhere to the academic calendar for completion of academic activities.

6. RESIDENTIAL REQUIREMENT:

The Institute is essentially residential in nature. Unless otherwise exempted/permitted, every student shall reside in one of the Halls of Residence and be a boarder of a mess to which he/she is assigned. The rules relating to the residential requirements are given in Student Disciplinary Manual (see https://nitw.ac.in/dms/).

7. ATTENDANCE:

Following are the rules relating to attendance requirements:

7.1 Every student is expected to have 100% attendance in each course in which he/she has registered at the beginning of the semester. However, condonation for shortage of attendance up to 20% (i.e., not lower than 80% aggregate attendance in any course) may be granted by the Head of the concerned Department.

7.2 Additional relaxation up to 15% is allowed in extreme cases such as medical grounds requiring hospitalization (minimum 3 days) or calamity in the family (Death/Serious illness to blood relatives). Students are required to submit appropriate proofs such as case sheet, proof of medical bills, proof of payment of Hospital bill etc.

7.3 Attendance relaxation up to 2% is allowed for girl students. Additional relaxation up to 5% is allowed for girl students in EAA.

7.4 Students with orthopedic disability are exempted from EAA.

7.5 A student representing the Institute in approved extracurricular activities such as Sports, Games, Cultural meets, Seminars, Workshops, Conferences and Interviews arranged through Centre for Career Planning and Development (CCPD), NCC/ NSS Camps shall be considered as on-duty, subject to a maximum of **five working days** in a semester. Prior permission from the concerned Head of the Department is required for availing on-duty permission. The period of absence, in such cases, will be counted as 'present' for the computation of percentage of attendance at the end of semester. Students officially permitted to represent the Institute in cultural/sports activities shall be considered as present for the award of marks for the attendance.

7.6 Additional relaxation up to 5 working days is allowed for Placement coordinators.

7.7 For the purpose of attendance calculation, every scheduled practical class will count as one unit irrespective of the number of contact hours.

7.8 Students not having the mandatory requirement of minimum attendance in any course, shall not be permitted to appear for the end semester examination in that course, and is awarded "R" Grade in that course. Such student has to register for the course in which he/she has shortage of attendance, as and when the course is offered next.

7.9 If the period of absence is for a short duration (of not more than one week), leave application should be submitted to the concerned Head of the Department, stating fully the reasons for the leave requested, along with the supporting document(s). The Head of the Department shall grant such leave. During such a leave period, the student will be marked as absent. Even with this leave applied, the student must satisfy the minimum attendance requirement to appear for the end semester examination.

7.10 If the period of absence exceeds one week, a prior application for grant of leave should be submitted through the Head of the Department to the Dean-Academic with supporting documents. The decision to grant such leave shall be taken by the Dean- Academic, after considering the recommendation of the Head of the Department, provided the student can maintain the minimum required attendance.

7.11 If a student is absent from the institute continuously for more than four weeks without notifying the Dean Academic, his/her registration for that semester will stand cancelled.

8. LEAVES:

8.1 An M.Tech student is entitled to the following kinds of leave during every academic year, counted from the date of commencement of the session concerned as prescribed in the academic calendar of the institute.

8.2 Any absence over and above the prescribed type of admissible leave shall entail deduction from the stipend, beside other action as may be decided by the Institute.

S.No	Leave	Maximum Number of days	Sanctioning authority
1.	Casual Leave	8 days per semester subjected to the condition that such leave will not be allowed for more than 5 days at a time. Casual leave cannot be combined with medical leave	Head of the Department (HoD)
2.	Medical Leave	8 days per semester	HoD with Medical Certificate from the Institute Medical Officer

9. REGISTRATION:

9.1 Every student is required to register on-line at the commencement of each semester on the day(s) notified in the Academic Calendar and collect the registration slip signed by the Faculty Advisor. However, Students with backlogs need to report physically before the faculty advisor for registration.

9.2 Percentage attendance for all students will be counted from the date of commencement of class work, irrespective of his/her date of registration. However, in case of 1st Semester, attendance will be counted from date of admission into the Institute or date of commencement of class work, whichever is later.

9.3 The registration will be organized at the respective Department under the supervision of the Head of the Department / Coordinator of a respective specialization / program.

9.4 A student who does not register on the day announced for the purpose may be permitted, in consideration of any compelling reason, late registration within the next week on payment of additional late fee as prescribed by the Institute from time to time. In special cases where the delay is beyond one week, Dean Academic may allow, on a case to case basis, for late registration with appropriate fee.

9.5 After registration in each semester, each student should collect a registration sheet, which indicates the courses registered by him/her in that semester, signed by the faculty advisor. The student should carry this registration sheet for all the examinations in that semester. This registration sheet along with Institute ID card serve the purpose of hall ticket for appearing the examinations in that semester.

9.6 A student who has already registered may

(a) register for a new course in addition to the courses he/she has already registered for

(OR)

(b) opt for a new course in place of the one already registered for with the concurrence of the faculty advisor.

Any change of the course as permissible by sub-paras (a) and (b) above must however be done within one week after registration and should be intimated to the Dean, Academic.

9.7 Every student is required to register every semester without fail. If a student is permitted to take a semester break, he/she has to register for that particular semester and complete it before registering for the subsequent semester.

9.8 Only those students will be permitted to register who have

i. Cleared all the Institute and Hostel dues of the previous semesters,
ii. Paid all required fees for the current semester, and
iii. Not been debarred from registering for a specified period on disciplinary or any other ground.

9.9 A Student can register for a backlog subject whenever it is offered. His/her previous marks/grades are cancelled and will have to attend all classes and examinations as and when they are conducted. Alternatively, a student can appear for make-up examination in the backlog subject as and when it is conducted.

9.10 **Registration in next Semester:**

- A student with a CGPA of 5.0 or above is eligible to register for courses in the next semester with following conditions:
    - Mandatory registration for backlog courses first in study mode and the remaining from the courses offered in the next semester so that maximum credit registration should not exceed 25 credits.
    - The timetable should permit.
    - A clear recommendation from the Faculty Advisor for the registration of courses.

- A student with a CGPA below 5.0 will be placed on slow-paced learning. The student will be permitted to take courses both backlogs and next semester at a slower pace satisfying the following conditions:
    - Mandatory registration for backlog courses first in study mode and the remaining from the courses offered in the next semester so that maximum credit registration should not exceed 20 credits.
    - The timetable should permit
    - A clear recommendation from the Faculty Advisor for the registration of courses

9.11 The allocation of supervisors to M.Tech students shall be completed at the commencement of the First Semester.

10. EVALUATION - GRADING SYSTEM:

10.1 As a measure of student's performance, a 7-scale grading system using the following letter grades and corresponding grade points per credit shall be followed.

Letter Grade	S	A	B	C	D	P	U
Point	10	9	8	7	6	5	3

Grading will be done based on the total marks obtained by the student in that course as shown in the following Table.

Letter Grade	**S**	**A**	**B**	**C**	**D**	**P**	**U**
Marks	**90-100**	**80-89**	**70-79**	**60-69**	**50-59**	**40-49**	**0 - 39**

However, if the faculty feels, the minimum marks for the award of "S" Grade may be lowered

up to a maximum of 5 marks. Please make sure that the range of marks for all other Grades (A to P) shall be 10.

a) A student, who has not written end semester examination shall be awarded "U" grade.
   - Further, there shall be four transitional grading symbols, which can be used by the examiners to indicate the special position of a student in the course.
     - **I:** for "Incomplete assessment", when the student misses the End-semester examination on Medical grounds (see rule 11.4).
     - **R:** for 'Insufficient attendance' in the course (see Rule 6).
     - **W**: for "Temporary withdrawal' from the Institute (see rule 17).
     - **X**: for "Debarred" on grounds of indiscipline/ malpractices in examinations.

     (https://nitw.ac.in/dms/)

10.2 Semester Grade Point Average (SGPA) will be computed for each semester. The SGPA will be calculated as follows:

$$SGPA = \frac{\sum_1^n C_i GP_i}{\sum_1^n C_i}$$

where C_i = Credits for the course
GP_i = the grade point obtained for the course
n = Number of courses registered in the Semester.

10.3 Starting from I Year II Semester a Cumulative Grade Point Average (CGPA) will be computed for every student at the end of every semester. The CGPA would give the Cumulative performance of the student from the first semester up to the end of the semester to which it refers and calculated as follows:

$$CGPA = \frac{\sum_1^n S_i C_i}{\sum_1^n C_i}$$

where, n = the total number of Semesters under consideration

C_i = Total number of Credits Registered during a particular Semester

S_i = SGPA of the Semester.

10.4 The CGPA, SGPA and the grades obtained in all the subjects in a semester will be communicated to every student at the end of every semester excepting last semester. In its place a consolidated grade sheet (with 80 credits) will be issued. This consolidated grade sheet supersedes all the earlier grade sheets.

10.5 Both SGPA and CGPA will be rounded off to the second place of decimal and recorded as such. Whenever these grade point averages are to be used for the purpose of determining the inter-se merit ranking of a group of students, only the rounded off values will be used.

10.6 CGPA to Marks Conversion: CGPA shall be converted into percentage marks, if required, using the following formula:

% marks = (CGPA – 0.5) X 10

10.7 **Transitional Grades:**

a) **Grade I:** When a student gets "I" Grade for any course(s) during a semester, the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated ignoring this (these) course(s). After these transitional grades have been converted to

appropriate grades, the SGPA for the semester and CGPA at the end of the semester will be recalculated after considering the new grades.

b) **Grades R, W and X:** When a student gets any of these transitional grades in any course(s) during a semester, the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated by taking 'zero point' for these course(s). After these transitional grades have been converted to appropriate grades, the SGPA for the semester and CGPA at the end of the semester will be recalculated after considering the new grades.

c) **Grade U:** When a student gets the 'U' grade in any course during a semester, the SGPA and the CGPA from that semester onwards will be tentatively calculated, taking 'three point' for each 'U' grade. After the 'U' grade has been substituted by better grades during a subsequent semester, the SGPA and CGPA of all the semesters starting from the earliest semester in which the 'U' grade has been updated, will be recomputed and recorded to take this change of grade into account.

11. ASSESSMENT OF ACADEMIC PERFORMANCE:

11.1 Each theory course in a semester is evaluated for 100 marks, with following weightages.

Attendance	5
Teacher Assessment (Assignment, Project, Seminar, Quiz test etc. or any assessment method at the discretion of the teacher.)	15
Mid Semester Examination	30
Major Examination	50

11.2 **Marks based on attendance**: Marks (out of 5) for attendance will be awarded as follows:

Attending 81-85% of classes: 1 marks

Attending 86-90% of classes: 2 marks

Attending 91-95% of classes: 3 marks

Attending 96-100% of classes: 5 marks

11.3 The mode and nature of the evaluation and the corresponding weightages, for the Teacher Assessment shall be intimated to the students at the beginning of the semester along with the lecture schedule.

11.4 If due to any compelling reason (such as his/her illness, calamity in the family etc.) a student fails to meet any of the requirements within/on the scheduled date and time, the Head of the Department in consultation with the faculty member concerned may take such steps (including the conduct of compensatory tests/examinations) as deemed fit.

11.5 Each laboratory course in a semester is evaluated for 100 marks, through continuous assessment. The marks for continuous assessment may be distributed among various components like Attendance (05 marks), Class work performance, Lab records, Quizzes, viva, skill tests/ assignments/ mini projects. It is not mandatory to conduct major (end semester) examination for a laboratory course. However, if it is conducted, the weightage for the major (end semester) examination shall be less than or equal to 50 marks. The scheme of evaluation has to be informed to students by the respective faculty in the beginning of the laboratory course.

11.6 A Seminar Assessment Committee will be formed by the Head of the Department/Centre

for the evaluation of performance at Seminars. Every student is expected to attend all the seminars of all the students of the batch held in the Department/Centre during the semester. Due weightage shall be given to a student's attendance in the overall evaluation of this requirement.

11.7 Comprehensive Viva Evaluation:

i. The comprehensive viva voce examination carrying 2 credits will cover the entire course of study up to 2nd Semester. The viva voce shall be conducted by a committee constituted by the Head of the Department. The committee will also have an expert from allied Department nominated by Dean, Academic.

ii. A student who has failed in the comprehensive viva-voce shall be required to present himself/herself again within a period of two months for the viva-voce on a date to be fixed by the concerned Head of the Department /Centre.

11.8 Dissertation Evaluation:

i. The dissertation carried out by a student is evaluated for 32 credits. The dissertation shall be submitted as per the schedule given in the academic calendar.

ii. The dissertation supervisor will periodically review the progress of the student and finally give his/her assessment of the work done by the student.

iii. The Dissertation Part – A and Part-B will be evaluated for 100 marks, with the following weightages: *Mid Sem: 40%, End Sem: 60%*

iv. In both Mid Sem and End Sem the evaluation shall be made as follows:

Supervisor	*40%*
Dissertation Report	*20%*
Evaluation by the Board *[Proposed by the HoD and approved by Dean (Academic)]*	*40%*

The midterm review and the end semester viva-voce examination will be conducted by a Board constituted by the Head of the Department.

The Evaluation Board for conducting the viva-voce examination of the Dissertation Part – B shall involve one Examiner from an allied Department.

v. A student will be permitted to submit the dissertation only if he/she completes all the courses as required in the program.

vi. The Departments have to evolve rubrics for evaluation of Dissertation Part-A and Part-B. The marks may be distributed among various components like selection of topic, problem statement, literature review, methodology, oral and written presentation of the work done and performance in viva-voce examination.

vii. Dissertation and Viva-Voce: A student shall be required to submit a report on the Dissertation work carried out by him/her. The template for the dissertation report may be downloaded from (https://www.nitw.ac.in/path/?dept=/nitwForms). The students are required to submit a report showing that the plagiarism is within 20% along with the three annexures as stipulated in Anti-plagiarism policy. Three/four bound copies along with a soft copy of the dissertation shall be submitted to the Head of the Department/Centre within the last date prescribed in the Academic Calendar for the purpose. Dissertation viva - voce will be held within the date fixed in the academic calendar and the grades will be finalized by the committee.

viii. If the performance of the student in either Dissertation Part-A or Dissertation Part-B

is not satisfactory, he/ she will be awarded 'U' grade. The student has to repeat the dissertation work by registering in the next semester. Such students may be given an option either to continue with the same topic and with the same guide or change the guide and the topic of his/ her dissertation.

ix. Extension of dissertation work (Part-B) beyond the deadline of submission in very special case may be granted by the Dean (Academic) on recommendation of the DAC-PG&R for a maximum period of 3 months and he/she will be awarded "I" Grade. The viva-voce has to be completed within the extension period. The student shall not be eligible either for award of scholarship during the extension period or any medal/prize. However, if the student had been absent on medical grounds and his/her dissertation had been extended, he/she may be eligible for award of medal or prize, if any. If the above-mentioned extension period encroaches into the next semester, the student need not pay the tuition fee.

11.9 The Institute Scholarship of a student will be withheld in case his/her CGPA at the end of any semester falls below 6.50. However, in the case of students belonging to SC/ST/PWD it is 6.00. The scholarship will be restored with retrospective effect based on recommendation of Head of the Department whenever the CGPA crosses at least 6.5 (for SC/ST/PWD 6.0).

12. MAJOR (END-SEMESTER) EXAMINATIONS:

12.1 The Major (End-semester) examinations in respect of theory courses will be conducted centrally by the examination branch as per the schedule given in the academic calendar.

12.2 Head of the Department sends the list of courses registered by each student for the semester along with a percentage of attendance.

12.3 Appearing in the major (end-semester) examination in the theory and laboratory (if conducted) courses is mandatory for a student. Unless exempted as stated in rule 11.4, if a student fails to appear for the end semester examination, he/she shall be awarded 'U' grade in the course.

12.4 However, if a student misses the major (end-semester) examinations due to a compelling reason like serious illness which necessitates hospitalization or a calamity in the family, he/she may appeal to the Dean-Academic before commencement of examination through his/her Head of the Department after getting Medical Officer from Institute Medical Officer for permitting himself/herself to appear in the subsequent examination(s), when conducted next. A committee consisting of the following members may, after examining the documents and being convinced about the merit of the case, recommend permitting him/her to appear in the subsequent examination(s), when conducted next, condoning his/her absence. In such cases, transitory grade 'I' is temporarily awarded to the student in the course. **Re-end examination will be conducted once in a year, at the time of Make-up examination.**

Committee:

a) Dean-Academic, Chairman.
b) Dean, Students Welfare
c) Concerned Head of the Department
d) The Institute Medical officer
e) Associate Dean, Examinations (Convener)

12.5 Students will be permitted to appear in the examinations in only those courses for which

they have registered at the beginning of the semester.

12.6 The final grades awarded to the students in a course must be submitted by the faculty member, within five working days from the date of the last examination to the concerned Head of the Department. The Head of the Department shall place the grades of students in all courses before the DAC-PG&R for its consideration and recommendation. The grades recommended by the DAC-PG&R shall be sent to the examination branch.

12.7 Any change of grade of a student in a course consequent upon detection of any genuine error of omission and/or commission on part of the concerned faculty member must be recommended by the DAC-PG&R and shall be forwarded by the faculty member through the Head of the concerned Department within 5 (five) days from the date of publication of the results.

12.8 As a process of learning by students and also to ensure transparency, the answer scripts after correction of class tests, written examinations, assignments etc., shall be shown to the students within two weeks from the date of test/examination. The performance of the students in these examinations shall be discussed in the Class Review Committee meeting.

12.9 In order to ensure transparency in the evaluation of scripts of end-semester examination, those answer scripts also shall be shown to the students up to one day before the finalization of grades in the DAC-PG&R. Once the Grades are finalized by DAC-PG&R, the student will no longer have any right to verify his/her answer scripts.

12.10 The student can appeal to DAAC for any arbitration within 5 working days from the date of official publication of results in the Institute Website.

13. EVALUATION OF INTEGRATED (THEORY + LABORATORY) COURSES:

13.1 For integrated courses, the criterion of 80% minimum attendance shall be satisfied separately in theory and laboratory classes. Otherwise he/she will be awarded ‘R’ grade.

13.2 The weightage for evaluation shall be based on credit ratio of the theory to laboratory in that course. For example, in a 2-0-2 (3 credit course), the weightage for the laboratory shall be 33% (1/3). For a 3-0-2 or 2-1-2 (4 credit course), the weightage for the laboratory shall be 25% (1/4).

13.3 For the integrated course, the total marks need to be calculated based on the above weightage.

13.4 All the rules for grading applicable to other courses may be followed for grading any integrated course.

13.5 The evaluation scheme for both theory and laboratory components shall be informed to the student through lecture plan in the beginning of the course.

13.6 In case of makeup examination, the student shall be evaluated in both theory and laboratory components and after arriving at the total marks based on the weightage, the applicable rules shall be followed for awarding a grade.

14. AWARD OF CLASS:

14.1 **First Division with Distinction:** A student who has passed all the courses without securing R, X, or U Grades during the period of study and with a **CGPA of 8.00 and above** is considered eligible for the award of First Division with Distinction.

14.2 **First Division:**

a) A student failing to satisfy Rule 13.1, even if he/she gets a **CGPA of 8.00** or more will be eligible for the award of First Division only.

b) A student with a CGPA of 6.50 and above but less than 8.00 is considered eligible for the award of First Division.

14.3 **Second Division:** A student with a CGPA of 5.00 and above but less than 6.50 is considered eligible for the award of Second Division.

15. MAKEUP EXAMINATION:

Makeup examinations will be conducted once in an academic year, during summer. Students appearing in Makeup examination shall be governed by the following rules:

15.1 A Student with 'U' grade(s) can appear in Make-up examination conducted at the end of Academic year, or register in Study mode, whenever the course is offered. In case of Study mode, his/her previous marks/grades are cancelled and he/she will have to attend all classes and examinations along with the next batch of students. Major changes in the timetable shall not be entertained to accommodate backlog students.

15.2 Students with “R” Grade in any course are not eligible for writing the makeup examination for that course.

15.3 Students with “U” or “I” Grade only are eligible to write makeup examination. The marks obtained by the student in continuous evaluation will be added to the marks obtained in makeup examination and will be graded as per the grading used for his/ her class.

15.4 A student can appear only once in the makeup examination (the earliest opportunity) in the courses in which he / she has obtained "U" grade.

15.5 Failing to clear/appear the course in the makeup examination (the earliest opportunity), the student shall have to register for the course in study mode, whenever it is offered.

15.6 The schedule for makeup examination will be given in the Academic calendar.

15.7 A student can register for makeup examinations in any number of courses. The schedule of makeup examinations will not be altered to suit individual students.

16. DISSERTATION WORK IN COLLABORATION WITH INDUSTRY:

16.1 A student may, with the approval of the Head of the Department/Centre, visit an industry or a Research Laboratory for data collection, discussion of the dissertation, experimental work, survey, field studies, etc. during the project period. Projects sponsored by the industry or Research Laboratories will be encouraged and a close liaison with such organizations will be maintained.

16.2 A student may, with the approval of Head of the Department/Centre, do the dissertation work in collaboration with an industry or a Research and Development Organization. The student shall acknowledge the involvement and / or contribution of an industry, R&D organization in completing the project in his/her dissertation and a certificate to this effect issued by the supervisor from the industrial organization will be included in the dissertation.

16.3 It is mandatory for all students (especially those who do their dissertation in an Industry, R&D organization in India or abroad) to make full disclosure of all data on which they wish to base their dissertation. They cannot claim confidentiality simply because it would come into conflict with the Industry’s or R&D laboratory’s own interests. Any tangible intellectual property other than copyright of dissertation may have to be assigned to the

Institute. The copyright of the dissertation itself would however lie with the student as per the IPR policy in force.

16.4 In addition to the Supervisor from the department/center guiding the dissertation work, a Joint Supervisor may be appointed from the Industry and Research Laboratory with the approval of DAC - PG&R. A certificate from the joint supervisor will be included in the dissertation. A member of faculty of the Institute, who is the internal supervisor, may, if felt necessary, visit the industry or the Research Laboratory in connection with the dissertation work of his/her student.

16.5 M.Tech students during their second year are allowed for a one semester long internship in an industry /Lab either in odd or even semester. A two-semester long internship in industry /Lab is also allowed. In all the above cases the recommendation of supervisor is final in deciding the internship to be pursued by the student.

17. SUMMER INTERNSHIP:

Every student shall undergo a summer internship for a period of six to eight weeks, after the completion of 8 semesters after the completion of 2nd Semester.

18. TEMPORARY WITHDRAWAL:

18.1 A student who has been admitted to an M.Tech. program of the institute may be permitted to withdraw temporarily for a period of one semester or more from the Institute on grounds of prolonged illness/acute problem in the family, which compelled him/her to stay at home, provided that:

(a) He/she applies to the Institute through Head of the department within 15 days of the commencement of the semester or from the last date of attending the classes, whichever is later, stating fully the reasons for such withdrawal together with supporting documents and endorsement of the parent/guardian.

(b) The institute is satisfied that, inclusive of the period of withdrawal, the student is likely to complete all the requirements for the degree within the time limits specified.

(c) There are no outstanding dues against him/her or demands from him/her in the Institute/ Department/ Hostel / Library etc.

(d) A student who has been granted temporary withdrawal from the institute under the above provisions will be awarded 'W' grade. If the student applies for withdrawal before the start of the semester or within 15 days of the commencement of the semester, he/she will be exempted from paying the tuition fee for that semester.

18.2 A student shall be granted only one such temporary withdrawal during his/her tenure.

18.3 A student who wishes to join the job, after successful completion of the entire course work, may be permitted to pursue dissertation on part-time basis provided:

i. Sufficient facilities are available in the organization where he/she is working
ii. There is a competent supervisor in the organization
iii. The minimum period for submission of dissertation work shall be double the amount of the balance period.
iv. The dissertation of such a part-time student shall be under the guidance of two supervisors, one from the organization and the other from the Institute.
v. If the student at the time of joining the job has completed substantial part of his/ her dissertation work (Part-B), such student may be permitted based on the recommendations of DAC-PG&R to submit his/ her thesis along with the regular students. There is no need for co-supervisor from his/ her organization.

19. SWAYAM / NPTEL COURSES:

19.1 A student may complete SWAYAM-NPTEL courses and transfer equivalent credits to partially complete the mandatory credit requirements.

19.2 The Department may permit students to register from other platforms, by taking care of evaluation and grading.

19.3 Before the commencement of each Semester, the Parent Department shall release a list of SWAYAM-NPTEL courses, duly approved by the Director,that may be offered as Departmental Elective/Open Elective courses.

19.4 A student shall only request for transfer of credits from such notified SWAYAM-NPTEL Courses as published by the concerned Departments.

19.5 SWAYAM-NPTEL Courses are considered for transfer of credits only if the concerned student has successfully completed and obtained the SWAYAM-NPTEL Certificate to this effect.

19.6 A student cannot transfer credits from SWAYAM-NPTEL Courses for any other type of Courses not permitted in the concerned Curriculum.

19.7 Students shall register for the approved Courses as per the schedule announced by SWAYAM-NPTEL.

19.8 The credit equivalence for SWAYAM-NPTEL Courses: 12 weeks – 3credits; 8 weeks – 2 credits; 4 weeks – 1 or 0 credits.

19.9 The marks obtained by the student for such SWAYAM-NPTEL Courses will be converted to grades as per the evaluation guidelines (8.1) suggested.

19.10 A student must submit the original SWAYAM-NPTEL Course Certificates to the Head of the Parent Department concerned, with a written request for the transfer of the equivalent credits. On verification of the SWAYAM-NPTEL Course Certificates and approval by the Head of the Department concerned, the SWAYAM-NPTEL Course(s) and equivalent Credits will be included in Course (with associated Credits) Registration of the student concerned in the Semester immediately following the completion of the SWAYAM-NPTEL Course(s).

19.11 If any faculty is assigned for the evaluation of the courses taken through these platforms, he/she can evaluate like any regular course by following the assessment and evaluation guidelines.

19.12 The Institute shall not reimburse any fees/expenses, a student may incur for the SWAYAM-NPTEL Courses.

20. EXIT POLICY FOR M.Tech:

The student is permitted to exit with a PG Diploma based on the student's request at the end of first year subjected to passing all the courses in first year and comprehensive viva voce.

21. INTEGRATED M.Tech-PhD:

21.1 M.Tech students of NIT Warangal with a CGPA more than 8.00 (Open/OBC) / 7.50 (for SC/ST/PWD) at the end of first year are eligible for Full Time Ph.D.

21.2 The selection of the student is based on the merit in the written test and the interview conducted by the department

21.3 The student must complete 15 credits after getting enrolled into Ph.D.

21.4 A maximum of 25% seats may be allotted from the quota of the Ph.D. fellowships allotted

to the department.

21.5 All the other regulations are the same as that of Full-Time PhD scholars.

21.6 Offering MS by Research to those who could not complete PhD after fulfilling specified criterion line minimum 2 years with at least one publication and completion of CVV.The student will be given an exit option at the end of two years.

22. STUDENT FEEDBACK:

It is mandatory for every student to submit feedback on each and every course, he/she has undergone, at the end of every semester. At the end of final semester, Exit feedback is also to be submitted. Results will be withheld for those students who have not submitted the feedback. All such students have to a) pay a fine of Rs. 500/- b) obtain permission from Dean (Academic) and c) fill the feedback for viewing the withheld result.

23. CHANGE OF REGULATIONS:

The academic programs of the Institute are governed by Rules and Regulations approved by the Senate from time to time. The Senate is a statutory and supreme body that governs all academic matters of the Institute, and the rulings of the Chairman, Senate (Director of The Institute) are final in regard to all academic issues.

Notwithstanding all that has been stated above, the Senate has the right to modify any of the above rules and regulations from time to time. All such modifications shall be documented and numbered sequentially and shall be made available on the Institute website in the Institute website under Ordinances.

ACADEMIC COMMITTEES: FUNCTIONS AND RESPONSIBILITIES

Committee	Constitution of the Committee	Guidelines	Functions
DEPARTMENTAL ACADEMIC COMMITTE – PG&R (DAC-PG&R)	**Chairman:** Head of the Department **Members:** All Professors and Associate Professors and Faculty Advisors, Program Coordinators • **Tenure:** two years.	• There shall be one DAC-PG&R for every department, which is involved in the teaching for any of the M.Tech. program. • The Head of the department will nominate one of the members as secretary.	• To monitor the conduct of all postgraduate courses offered by the Department and course work of M.Tech program. • To ensure academic standards and excellence of the courses offered by the department. • Review and Recommend the grades to senate for approval. • To consolidate the registration of the students and communicate to the course instructor and Dean- Academic. • To consider any matter related to the postgraduate program(s) of the Department. • To take up any responsibility or function assigned by the Senate or the Chairman of the Senate or Chairman of DAC-PG&R. • To report the cases of malpractices to the Malpractices and Disciplinary Action Committee.
CLASS REVIEW COMMITTEEE (CRC)	**Chairman:** Head of the Dept. / Senior Faculty of the Department concerned, preferably not associated with teaching of the class, to be nominated by the Head of the Department concerned. **Members**: All faculty members handling the class, four students, to be chosen by the students of the class from amongst themselves. **Convener / Secretary:** Faculty advisor of the	Every Class (group of students registered for a course and taking the course together in a section/class) of the M.Tech Program shall have a Class Review Committee, consisting of Faculty and Students.	⇨ The Class Review Committee shall meet at least twice in a semester, once between four to five weeks and another between eight to nine weeks after the commencement of classwork. ⇨ The basic responsibilities of the Class Review Committee are to review periodically the progress of the classes, to discuss problems concerning curriculum and syllabi and the conduct of the classes. ⇨ The committee will review the performance of the class in various exams conducted as part of continuous evaluation till

	class **Tenure:** One Semester		that date. • Each CRC will communicate its recommendations to the Head of the Department / DAC-PG&R of the parent teaching department. • The minutes of each CRC meeting shall be recorded in a separate register maintained in the parent/teaching department. • Any appropriate responsibility or function assigned by the DAC- PG&R or the chairman of the DAC- PG&R
DEPARTMENTAL ACADEMIC APPEALS COMMITTEE (DAAC)	**Chairman:** Head of the Department **Members:** Three faculty members of the Department consisting of one Professor, one Associate Prof. and one Asst. Prof. • **Nominee:** One Professor from outside the Department nominated by Dean-Academic	• There shall be one DAAC for every department. • The Chairman may co-opt and / or invite more members. • If the concerned instructor is a member of DAAC then he/she shall keep himself out of the Committee during deliberations. • The quorum for each meeting shall be a minimum of THREE (Professor from outside department is mandatory).	• To receive grievance /complaints in writing from the students regarding anomaly in award of grades due to bias, victimization, erratic evaluation, etc. and redress the complaints. • To interact with the concerned course instructor and the student separately before taking the decision. • The decision of the DAAC will be based on simple majority • The recommendations of the DAAC shall be communicated to the Dean-Academic for further appropriate action as required.
CURRICULUM DEVELOPMENT COMMITTEE (CDC)	**Chairman:** Head of the Dept. **Members:** All professors and Associate Professors; Three External members: One from Academics, One from Industry, One from R&D labs (One of the above may be an alumnus)	• All the members must possess Ph. D. • The Chairman will nominate one of the members as secretary. • The Chairman may co-opt and / or invite more members including external experts while framing / revising the curriculum.	• To develop the curriculum for the postgraduate courses offered by the department and recommend the same to the Senate. • The CDC is required to meet at least once in two years. • To review the internal audit reports submitted by faculty

ACADEMIC AUDIT COMMITTEE – DEPT. (AACD)	**Chairman:** Professor nominated by Director **Members:** One Department Nominee **Convener/Secretary:** Head of the Department	• The duration of the members of the committee will be two years	• To recommend corrective measures, if any. • To send a consolidated report to Academic Audit Committee – Institute
ACADEMIC AUDIT COMMITTEE – INSTITUTE (AACI)	**Chairman:** Director • **Members:** Dean (Academic), Two professors nominated by Director	• The members of the duration of the committee is TWO years.	• To review the recommendations of AACD of each department • To initiate appropriate measures (counseling / training etc.).
FACULTY ADVISOR	**Faculty Advisors:** nominated by the Head of the Department	• In case of PG, One Faculty advisor for each program.	• To help the Students in planning their courses and activities during study. • To guide, advice and counsel the students on academic program and registration. • To register the students for the course work in both the even and odd semesters. • To present the results of even and odd semesters to DAC-PG&R