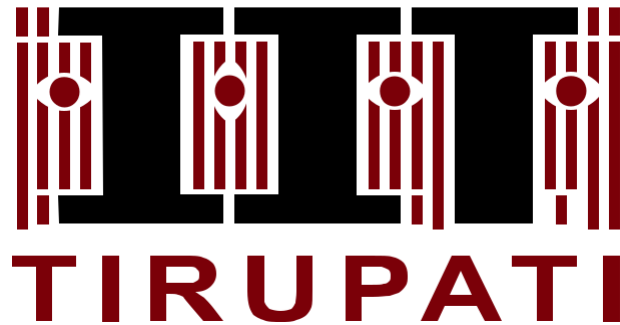


**MASTER OF TECHNOLOGY
(M.TECH)**

**ORDINANCES AND REGULATIONS
(From 2018 Batch)**

भारतीय प्रौद्योगिकी संस्थान तिरुपति



**INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI
TIRUPATI- 517 619**

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Ordinances and Regulations M.Tech (Master of Technology)

ORDINANCES

- O.1 Candidates who have qualified for the award of the Bachelor's degree in Engineering / Technology or Master's degree in Science and who have qualified in **GATE (Graduate Aptitude Test in Engineering)** are eligible to apply for admission to the M.Tech programme. B.Tech Graduates from IITs with a minimum CGPA of 8, are eligible for admission without GATE Score.
- Candidates who have qualified for the award of the Bachelor's degree in Engineering / Technology or Master's degree in Science through distance education/ correspondence mode and who have qualified in **GATE (Graduate Aptitude Test in Engineering)** are also eligible to apply for admission to the M.Tech programme.
- O.2 In addition to O.1, a candidate who possesses **Associate Membership of Professional Bodies** approved by the Senate who has qualified in **GATE** shall also be eligible to apply for admission to the M.Tech programme, subject to regulations approved by the Senate.
- O.3 Notwithstanding what has been stated in O.1 above, applications from **candidates sponsored** by organisations recognised by the Senate, and applications from **foreign nationals** received through proper channel, may be considered for admission to the M.Tech programme **without a GATE qualification**. Their admission shall, however, be governed by the regulations prescribed by the Senate.
- O.4 Candidates from Government / Public Sector Organizations with Associate Membership qualification (AMIE, AESI, AMIM, AMIChemE, AMIETE as listed in M.Tech Admission Brochure) and having two years of experience, can be permitted to apply for admission to M.Tech under sponsored programme without GATE score.
- O.5 The exact eligibility criteria for admission to the M.Tech programme shall be as approved by the Senate of the Institute from time to time and announced by the Institute in the "M.Tech Admission Brochure" for admission, each year.
- O.6 The normal duration of the M.Tech programme, including project work, shall be **four semesters**. Candidates may be permitted to do their project work in the industry and other approved organisations as prescribed in the regulations.
- O.7 The award of **Half-time Teaching Assistantship (HTTA)** to the candidates admitted to the M.Tech programme shall be in accordance with the regulations of the Senate of the Institute.
- O.8 The award of the M.Tech degree shall be in accordance with the regulations of the Senate of the Institute.

REGULATIONS

R.1.0 Admission to the M.Tech Programme

R.1.1 Candidates who have qualified in **GATE** (Graduate Aptitude Test in Engineering) are eligible to apply for the M.Tech programme as full time students on Institute HTTA.

R.1.2 Candidates **sponsored under Quality improvement Programme** or other similar programmes are also eligible to apply.

R.1.3 Candidates **sponsored by the Industries**, established Institutes/R&D Organisations/National laboratories are also eligible to apply.

R.1.4 **Foreign nationals who got degree from India – Bachelor's degree in Engineering / Technology / Architecture or equivalent or a Master's degree in Mathematics / Chemistry / Physics / Life Sciences / Related Subjects and a valid GATE score are eligible to apply.**

Foreign nationals whose applications are received through **Indian Council of Cultural Relations**, Government of India are also eligible to apply.

Foreign Nationals are also eligible under the self-financing scheme, for which applications are invited through their embassies.

GRE/GMAT Score with TOEFL, academic record and letters of reference will be considered as additional requirement for Foreign nationals.

R.1.5 Announcements for M.Tech Admission will be made by the Institute and the candidates under categories R.1.1, R.1.2 and R.1.3 mentioned above should apply in the prescribed form on or before the specified dates.

R.1.6 The eligibility criteria for admission including the GATE qualification required for admission as full-time students with HTTA, or as sponsored or other candidates, mentioned under R.1.1, R1.2 and R.1.3 will be decided by the Senate.

R.1.7 The Senate of the Institute will decide on the number of seats for various specialisations/ Departments/ Centres. Seats are reserved for SC, ST, OBC and persons with disabilities (PD) as per the Government of India rules. However, to be considered for admission, they should have qualified in GATE and should satisfy other Senate requirements.

R.1.8 The M.Tech Admissions Committee constituted by the Chairman, Senate, will decide on the operational aspects of selection of candidates based on the criteria laid down by the Senate.

However, in the case of service officers under the control of Army / Navy / Airforce / DRDO, the selection will be through a central selection committee(s) with the Institute faculty serving on the selection committee.

R.1.9 Vacancies, if required to be filled up after the admission date, will be decided by the Chairman, Senate, and reported to the Senate for post-facto approval.

R.1.10 In all matters concerning the selection of candidates, the decision of the Chairman, Senate, or his / her nominee, viz. Chairman, M.Tech Admissions Committee, is final.

- R1.11 In addition to satisfying the conditions given in the information Brochure for M.Tech Admission sent along with the application forms, the selected candidates should satisfy the other admission requirements indicated in the offer letter of admission. Only then, they will be admitted to the M.Tech programme, after payment of the prescribed fees. However, if at any time, if any of the requirements are not fulfilled by the candidate, the Dean may revoke his/her admission to the programme.

R.2.0 Structure of the M.Tech programme

- R.2.1 The programme of instruction for each stream of specialisation will consist of
- i. core courses**
 - ii. elective courses**
 - iii. project work**
- The student may be required to give one or more seminars and undergo industrial / practical training during the programme.
- R.2.2 The complete programme will be of **4 semesters duration**. The academic programmes in each semester may consist of course work and/or project work as specified by the Senate for each specialisation.
- R.2.3 Every stream of specialisation in the programme will have a curriculum and syllabi for the courses approved by the Senate. The curriculum should be so drawn up that the minimum number of credits for successful completion of the M.Tech programme of any stream **is not less than 60 and not more than 64**.
- R.2.4 Credits will be assigned to the courses based on the following general pattern:
- i. One credit** for each lecture period
 - ii. One credit** for each tutorial period
 - iii. Two credits** for each laboratory or practical session of three periods
 - iv. Credit** for the seminar, project work and industrial / practical training will be as specified in the curriculum approved by the Senate.
- A letter grade will be awarded for project, but not considered for calculation of GPA/CGPA.
- R.2.5 A student will have to register in all the **core courses** listed in the curriculum of his/her stream of specialisation and successfully complete all of them.
- R.2.6 Electives will have to be taken from the courses offered by the Department in that particular semester from among the list of approved courses.
- However, departments may permit the selection of electives other than those listed against the stream, provided they have relevance to the area of specialisation and subject to the approval of the Faculty Adviser.
- R.2.7 The medium of instruction, examination, seminar and project reports will be in English.

R.3.0 Faculty Adviser

- R.3.1 To help the students in planning their courses of study and for getting general advice on the academic programme, the concerned Department will assign a certain number of students to a Faculty Member, who will be designated as **Faculty Adviser**.

R.4.0 Class Committee

R.4.1 For I and II semesters of M.Tech Programme, branchwise class committees will be constituted by the Heads of the Departments comprising of:

- i. Course teacher
- ii. One Professor, preferably not offering courses for the class, as chairman
- iii. Two student members
- iv. Faculty Adviser – Ex-Officio Member

R.4.2 A common class committee for Mathematics and Humanities and Social Sciences (HSS) courses of I and II M.Tech Programme will also be formed for the courses open to all M.Tech streams. These committees will be constituted by the Heads of Mathematics/HSS departments comprising of:

- i. Course teachers of all subjects
- ii. One Professor, preferably not offering courses for the class, as Chairman and
- iii. Four student members.

R.4.3 The basic responsibilities of the class committee are :

- a) to review periodically the progress of the courses, to discuss issues concerning curricula and syllabi and the conduct of the classes.
- b) The type of assessment for the course will be decided by the teacher in consultation with the class committee, and will be announced to the students at the beginning of the semester in accordance with R 19.0.
- c) Each class committee will communicate its recommendations to the Head of the Department and the Dean of Academic Affairs.
- d) The class committee, without the student members, will also be responsible for the finalisation of the semester results.

R.4.4 The class committee is required to meet at least twice in a semester, once at the beginning of the semester and another time after the end-semester examination, to finalise the grades.

R.5.0 Upgradation to Ph.D programme

M.Tech students will be eligible for upgradation to Ph.D. if they satisfy the following criteria:

- a. The candidate should have successfully completed a minimum of 2 semesters in the M.Tech. Programme.
- b. The candidate should have a minimum CGPA of 8.0 in the prescribed courses.

A Committee duly constituted by the Dean, Academic Affairs will consider such applications for upgradation to Ph.D. and make its recommendation to the Chairman, as per the rules.

R.5.1 Upgradation to (M.Tech+Ph.D) programme

M.Tech students will be eligible for upgradation to (M.Tech+Ph.D.) if they satisfy the following criteria:

A .The candidate should have successfully completed a minimum of 2 semesters in the M.Tech. Programme.

B .The candidate should have a minimum CGPA of 8.0 in the prescribed courses.

A Committee duly constituted by the Head of the Department will consider such applications for upgradation to Ph.D. and make its recommendation to the Chairman, as per the rules.

R.6.0 Registration and Enrolment

R.6.1 Enrolment:

From the second semester onwards, ***all students have to enroll on the first day at the beginning of a semester.*** A student will become eligible for enrolment only if he/she satisfied R.10.1, R.10.2 and in addition he/she has cleared all dues to the Institute, Hostel and the Library upto the end of the previous semester, provided he/she is not debarred from enrolment by the Institute, on disciplinary grounds.

The list of students who don't enroll for the current semester will be forwarded to the CCW office for further action.

R.7.0 Registration

R.7.1 For the first semester, every student has to enroll and register for the courses he/she intends to undergo on a specified day notified to the student. The concerned Faculty advisers will guide the students in the registration process.

R.7.2 For the subsequent semesters, registration for the courses will be done by the Students/Faculty Advisers during a specified week before the end semester examination of the previous semester. The registration form will give details of the core and elective courses, project and seminar to be taken in a semester, with the number of credits, as prescribed in the curriculum.

The student should consult his/her Faculty Adviser for the choice of courses. The registration form should be filled in and signed by the student and the Faculty Adviser. Those students who register beyond the last date prescribed for registration, a late registration fee will be charged.

R.7.3 During the final project semester, students are not normally permitted to register for courses.

However, students who are short of a few credits required for the degree may be allowed by the Dean of Academic Affairs to register for one or two courses along with the project under the specific recommendation from the Head of the department. In such cases the project duration may have to be extended accordingly beyond the normal period.

However, ***the M.Tech students are eligible for HTTA till the date of viva voce at the end of the fourth semester and not for the extended period of project or 24 months, whichever is earlier,*** as per the existing Government of India rules.

R.7.4 ***Withdrawal from a course registered*** is permitted up to two weeks from the date of commencement of the semester.

The number of courses for which they have registered after withdrawal should enable the student to earn the credits required to continue the studies as per R.10.

Course(s) withdrawn will have to be taken as and when they are offered, if they belong to the list of core courses (Compulsory courses).

R.7.5 In extraordinary circumstances like medical grounds, a student may be permitted by the Dean of Academic Affairs to withdraw from a semester completely. ***Normally, a student will be permitted to withdraw from the programme only for a maximum continuous period of two semesters.***

R.8.0 Contact Courses

R.8.1 A Contact course will be offered during the regular semester or

summer by a Department only

i. to final year students who have obtained a “U” grade in a core course.

ii. when a teacher who is **willing to offer** this course is identified by the Department

R.8.2 ***No student should register for more than two contact courses during the semester or in summer.***

R.8.3 The contact course will not be offered if a regular course is offered on the same subject during that period.

R.8.4 Such final year students who are desirous of registering for a contact course, should make a request, in the prescribed form, to the Dean, Academic Affairs through the Faculty Advisor & HoD well before the commencement of the semester in which the contact course is to be taken.

R.8.5 The assessment procedure for a contact course will be similar to that of the regular semester course.

R.8.6 ***Withdrawal from a contact course is not permitted.***

R.9.0 Minimum Requirement to Continue the Programme

- R.9.1 A student should have earned not less than **10 successful credits** in the first semester, **25 successful credits** at the end of the second semester and **35 successful credits** at the end of the third semester.

If a student fails to earn the required minimum credits at any particular semester, he/she will be relieved from the programme at the end of the semester.

- R.9.2 In addition to the above, to be eligible to continue in the programme the student **should have a minimum CGPA of 5.5**, calculated according to the formula in R.26.2. **If the CGPA of any student so calculated falls below 5.5, the student will be issued a warning and if he/she does not make good and continues to get a CGPA less than 5.5 in the following semester also then he/she will be relieved from the programme.**

R.10.0 Maximum Duration of the Programme

- R.10.1 A student is ordinarily expected to complete the M.Tech programme in **four semesters**.

In case students do not complete their project work in four semesters, they are permitted to submit the report in the fifth semester with the prior approval of project guide, HoD and Dean, Academic Affairs.

Under no circumstances should students be permitted to spend more than **5 semesters** to complete the course work and **8 semesters** for the total programme, including the project work, from the date of admission to the programme.

R.11.0 Discontinuation from the Programme

- R.11.1 Students may be permitted to discontinue the programme and take up a job, **provided they have completed all the course work**. The project work can be done during a later period either in the organisation where they work, if it has R and D facility, or in the Institute. **Such students should complete the project within eight semesters from the date of admission to the programme.**

Students desirous of discontinuing their programme at any stage with the intention of completing the project work at a later date should seek and obtain prior permission of the Dean of Academic Affairs through the Faculty Advisor & HoD.

R.12.0 Discipline

R.12.1 Every student is required to observe discipline and decorous behaviour both inside and outside the campus and should not indulge in any activity which will tend to bring down the prestige of the Institute.

R.12.2 Any act of indiscipline of a student reported to the Dean, Academic Affairs, will be referred to the ***Discipline and Welfare Committee*** constituted by the Senate from time to time.

The Committee will enquire into the charges and recommend suitable punishment if the charges are substantiated. The Senate will consider the recommendation of the Discipline and Welfare Committee for appropriate action.

R.12.3 **Appeal:** The student may appeal to the Chairman, Senate, whose decision will be final. The Dean will report the action taken at the next meeting of the Senate.

R.12.4 Ragging in any dimension is a criminal and non-bailable offence in our country. The current State and Central legislations provide for stringent punishment including imprisonment. Once the involvement of a student is established in ragging, the offending student will be dismissed from the Institution and will not be admitted into any other Institution. Avenues also exist for collective punishment, if individuals can not be identified in this inhuman act. Every senior student of the Institute, along with the parent, shall give an undertaking every year in this regard and this should be submitted at the time of enrolment.

R.12.5 Grievance Resolution Committee

Each department has a Grievance Resolution committee consisting of 3 faculty members who may be approached by the students of the concerned departments for addressing their complaints.

An institute-level Grievance Resolution committee is constituted by Dean (Academic Affairs).

R.13.0 Attendance

R.13.1 Every teaching staff member handling a class will take attendance till the last instructional day in the Semester. The percentage of attendance, calculated up to this point, will be indicated by a letter code as follows:

| Attendance Rounded to | Remarks | Code |
|-----------------------|-----------|------|
| ≥ 95% | Very Good | VG |
| 85 to 94% | Good | G |
| <85% | Poor | P |

- R.13.2 A student who has an attendance lower than 85%, whatever may be the reason for the shortfall in attendance, will not be permitted to appear in the end-semester examination of the course in which the shortfall exists.

His/her registration for that course will be treated as cancelled, and he/she shall be awarded „W“ grade (Failure due to insufficient attendance in course). **This grade shall appear in the grade card till the course is successfully completed.**

In the case of a core course, the student should register for and repeat the course as and when it is offered again.

- R.13.3 The teacher handling a course **must finalise the attendance on the prescribed date as per the academic calendar.**

The particulars of all students who have attendance less than 85% in that course must be announced in the class by the teacher himself/ herself. Copies of the same should be sent to the Dean, Academic Affairs and Heads of Departments concerned. Students who maintain less than 85% should not be permitted to sit for the end-semester exam without the permission of the Dean Academic Affairs.

- R.13.4 Condonation of Attendance: Every student is expected to maintain 100% attendance. The minimum-attendance requirement is 85% (i.e to take care of short duration of ailment, attending family function / ceremony, participation in competition / events Senate permits a student to avail 15% leave with prior permission of class teacher).

For cases of casual absenteeism, no condonation of attendance is permissible. If a student has less than 85% attendance, he/she should be assigned „W“ grade in that subject along with „P“ as the attendance code. The percentage of attendance in a subject shall be computed as:

- (a) For calculation of attendance in normal cases:

For cases of minor illnesses and casual absenteeism actual % of attendance is computed as:

$$\frac{\text{Actual no. of classes attended} \times 100}{\text{Total no. of classes held till date of compilation of attendance}}$$

which should be $\geq 85\%$. Otherwise, W grade shall be awarded. Such cases will not come under the purview of condonation of attendance.

- (b) For calculation of attendance in case of prolonged illness and/or hospitalization with medical certificate:

A student should have more than 40% attendance calculated as per (a) above to be eligible for condonation.

Notional % of attendance =

$$\frac{\text{Actual no. of classes attended} \times 100}{(\text{Total no. of classes held in the semester}) - (\text{No. of classes held during the days of prolonged illness and or hospitalization})}$$

which should be $\geq 85\%$ for condonation.

R.14.0 Leave Rules

- R.14.1 ***Students are eligible for leave of 30 days in a year*** which will be regularised as 15 days per semester with a provision of carry over from first to second semester and from the third to fourth semester. The unutilized leave from the first year cannot be carried over to the second year.

The intervening holidays will be treated as part of leave with provision of suffixing and prefixing holidays.

- R.14.2 All M.Tech students should apply to the Head of the Department for leave stating the reasons whenever they are not in a position to attend classes/project work. They will not be eligible for HTTA for the period of absence, if it is unauthorised leave even if they have not fully utilised the eligible leave.

R.15.0 Assessment Procedure : Tests and Examinations

- R.15.1 For Lecture / Lecture and Tutorial based subject a minimum of two sessional assessments will be made during the semester. The sessional assessment may be in the form of periodical tests, assignments or a combination of both, whichever suits the course best. The assessment details as decided at the Class Committee will be announced in the class by the teacher right at the beginning of the semester.

R.16.0 End Semester Examination

- R.16.1 There will be one end semester examination of 3 hours duration in each lecture based subject.

R.17.0 Project Evaluation

- R.17.1 **The project work of all M.Tech students will commence not later than 1st June following the 2nd Semester, regardless of whether the students are eligible for HTTA or not.**

- R.17.2 The methodology followed by each department for project assignment will be enunciated and brought to the notice of the students well before registration at the time of assignment of project Title/Guide.

The project deliverables must be clearly enunciated by the faculty for the benefit of the students at the time of offering, commensurate with the levels of a PG project.

- R.17.3 At the completion of a project, students will submit a project report which will be evaluated by duly appointed examiner(s). The evaluation will be based on the report and a viva-voce examination on the project.

R.18.0 Weightage

- R.18.1 The following will be the weightages for different courses:

| | | |
|----|---|--------|
| a) | Lecture or lecture and tutorial-based courses | |
| | Sessional assessment: | 40-60% |
| | End-semester examination: | 40-60% |

| | | |
|----|--|---------|
| b) | Laboratory-based courses: | |
| | Sessional assessment: | 75–100% |
| | End-semester examination, if held maximum weightage: | 25% |

R.18.2 The markings for all tests, tutorial assignments (if any), laboratory work and examinations will be first made on an absolute basis.

The final percentages of marks are calculated in each subject as per the weightages given in R.18.1.

R.19.0 Make-up Examination

R.19.1 Students ***who have missed sessional assessments for valid reasons*** should apply to the concerned teacher indicating the reasons for the absence and the teacher shall consider these requests suitably.

R.19.2 Students ***who have missed the end-semester examinations for valid reasons***, should make an application to the Dean of Academic Affairs within ten days from the date of the examination missed. Permission to appear for a make-up examination in the course(s) is given under exceptional circumstances (like hospitalization, etc.)

A student who misses this make-up examination will not be normally given another make-up examination.

However, in exceptional cases of illness resulting in the students missing a make-up examination, the Dean of Academic Affairs, in consultation with the Chairman of the Senate, may permit the student to appear for a second make-up examination.

R.19.3 ***For application on medical grounds***, students residing in the hostels should produce a Medical Certificate issued by an Institute Medical Officer only.

Students staying outside the campus permanently/temporarily should produce a medical certificate from registered medical practitioners and the same should be forwarded by the parents/guardians for the purpose of make-up examinations.

The Dean of Academic Affairs can use his/her discretion in giving permission to a student to take a make-up examination, recording the reasons for his/her decision.

R.20.0 Subjectwise Grading of Students into Categories

R.20.1 Letter Grades

Based on the performance, each student is awarded a final letter grade at the end of the semester for each of the registered courses. The letter grades and the corresponding grade points are as follows.

| Grade | Grade points | Remarks |
|-------|--------------|---|
| S | 10 | |
| A | 9 | |
| B | 8 | |
| C | 7 | |
| D | 6 | |
| E | 4 | |
| U | 0 | |
| P | - | Pass |
| F | 0 | Fail |
| W | 0 | Failure due to insufficient attendance in course |
| I | 0 | Incomplete (Subsequently to be changed into pass (E to S) or U grade in the same semester). |
| R | | Registered. |

R.20.2 A student is considered to have completed a subject successfully and earned the credits if he/she secures a letter grade other than U/ F or W or I in that subject. **A letter grade U/F or W in any subject implies a failure in that subject.**

Faculty will send marks scored and the attendance grade (VG, G and not "W") of the student who is given an "I" grade after the class committee along with the grades of other students as approved by the class committee.

It is the responsibility of the student to get an "I" grade resolved on or before the date specified in the Academic calander. For such students the faculty members will communicate the revised grade, to the academic section.

If the student does not get the "I" grade resolved within, the specified date, "I" grades will be replaced with a valid grade based on the marks scored at this point of time and relative grading cut-off for various grades his/her batch, along with an attendance "G or VG" as secured.

R. 21.0 Method of Awarding Letter Grades

R.21.1 A final meeting of the Class Committee will be convened ***within seven days after the last day of the end semester examination.*** *The student members will not be present at this meeting.*

The letter grades to be awarded to the students for different subjects will be finalised at this meeting.

R.21.2 After finalisation of the grades at the Class Committee Meeting, ***two copies*** of the result sheets for each subject viz. one containing the final grade and attendance code and the other with absolute marks, the final grade and the attendance code should be submitted by the teacher to the concerned Class Committee Chairman. The Chairman, Class Committee will forward one of the sets to the Dean (Academic Affairs).

R.22.0 Declaration of Results

- R.22.1 After finalization by the Class Committee the letter-Grade awarded to the students will be uploaded through online by the teachers.

After online approval by the Chairperson of the respective Class Committee, it will be available in academic website for the students to view their grades.

- R.22.2 The **W** grade once awarded stays in the record of the student and is deleted when he/she completes the subject successfully later. The grade acquired by him/her will be indicated in the grade card of the appropriate semester with an indication of number of attempts made in that course.
- R.22.3 „**U**“ grade obtained by the students will be deleted in the grade card once that course is successfully completed. The grade acquired by the students will be indicated in the grade card of the appropriate semester indicating also the number of attempts made in that course.

R.23.0 Re-examination of Answer Papers

- R.23.1 In case a student feels aggrieved, he/she can contact the teacher concerned for a second look at his/her performance but **not later than two weeks** from the commencement of the semester following the announcement of the results. The student shall have access to his/her answer paper(s) in the end-semester examination which may be shown to him/her by the teacher(s) concerned.

If the teacher feels that the case is genuine, he/she may re-examine and forward the revised grade, if any, to the Dean of Academic Affairs through the Chairman of the Class Committee with justification for the revision and with intimation to the Head of the Department.

R.24.0 Course Repetition

- R.24.1 A student who earns a „U“ grade in any “core course” has to repeat it compulsorily when offered next.
- R.24.2 A student who earns a “U” grade in an elective course has an option to repeat it in order to get a successful grade or substitute with any other elective, with the permission of the Faculty Adviser.
- R.24.3 **In some cases where students have taken all core and elective courses but still fail to get minimum CGPA of 5.5 and thus will not be eligible to get degree. In such cases the student be permitted to repeat the core or elective courses to earn the minimum CGPA.**

R.25.0 Grade Card

- R.25.1 The grade card issued to students at the end of each semester will contain the following:

- a. Course no, name of the course and the credits for each course registered in the semester.
- b. the performance in each subject by the letter grade obtained vide R.21.1.
- c. the attendance code secured in each course vide R.14.1.
- d. the total number of credits earned up to the end of that semester.
- e. GPA for each semester
- f. the Cumulative Grade Point Average (CGPA) of all the courses taken from the first semester will be shown in the final semester grade card.

R.25.2 The Grade Point Average (GPA) will be calculated according to the formula:

$$= \frac{\sum (C_i \times GP_i)}{\sum C_i}$$

Where C_i = credit for the course, GP = the grade point obtained for the course and $\sum C_i$ = the sum of credits of all courses taken in that semester, including those in which the student has secured U and W grades.

For the Cumulative Grade Point Average (CGPA), a similar formula is used where the sum C_i is the sum of credits of all courses taken in all the semesters up to the point in time. When the failed (U & W) course(s) is/are cleared, CGPA is calculated taking into account the passed grade.

R.25.3 No class/division/rank will be awarded to the students at the end of the M.Tech programme.

R.26.0 Project work in Industry or other Organisations

R.26.1 Sponsored candidates from organisations which have R and D units and facilities for research work and those students who get employment in such organisations after completion of the course work may be permitted to carry out their project work in such organisations during the final year, under the following conditions:

R.26.2 A departmental committee shall examine the requests from such students, and fix in advance

- i. an internal guide (a faculty member of the institute)
- ii. area of project work, and
- iii. the name and designation of an external guide (Scientist or Engineer in Industry).

R.26.3 The above details should be submitted to the Dean of Academic Courses through the Head of the Department and the Dean's approval should be obtained before the commencement of the project.

R.26.4 The students who are permitted to do the project work in an industry as per R.27 will have to pay the tuition and other fees to the Institute for the third and fourth semester as well.

R.27.0 Half-Time Teaching Assistantship

R.27.1 Students who are eligible for M.Tech admission and who have qualified in GATE and are admitted as full time students of the Institute, will be eligible for the award of the HTTA notified by the Institute from time to time. HTTA students are not entitled to avail any other scholarship.

R.27.2 Students specifically admitted under Non-HTTA category will not be eligible for HTTA. However, these candidates may apply for conversion, and eligible students will be converted to HTTA from the second semester, subject to the number of vacancies and based on their first semester performance.

R.27.3 Students joining the M.Tech programme under sponsorship scheme with full salary will not be granted any HTTA even if they are qualified in GATE.

R.27.4 Self-financing foreign nationals are not eligible for HTTA.

R.27.5 B.Tech students from IITs who get admitted to M.Tech with 8.0 on scale of 10 CGPA are also eligible for HTTA.

R.28.0 Eligibility for the award of M.Tech Degree

R.28.1 A student shall be declared to be eligible for the award of M.Tech degree if he/she has

- a. registered and successfully completed all the core courses and the project.
- b. successfully acquired the minimum number of credits vide R 2.3 prescribed in the curriculum of the given stream within the stipulated time vide R.11.0
- c. no dues to the Institute, Library and Hostels and
- d. no disciplinary action pending against him/her.
- e. secured a CGPA of 5.5

R.28.2 Credit Transfer

The following procedure will be followed for credit transfer:

For students visiting Universities abroad under Exchange programme or any other University:

The credits / grades indicated in the grade sheet obtained from the university in which the student has completed the courses should be used by the student as part of his/her transcripts.

IIT Tirupati transcripts will only indicate the courses, credits and grades completed at IIT Tirupati and the total no. of credits (without grades) earned in other Universities in a particular semester.

The **CGPA calculation based on credits earned/ completed at IIT Tirupati alone is to be considered for award of prizes.** However, students who have studied one semester in other universities under student Exchange programme are not to be considered for annual prizes of the corresponding year.

The credits earned at Universities abroad will be taken into account for calculation of minimum required credits for the award of the degree.

R.28.3 The final award of the Degree must be recommended by the Senate and approved by the Board of Governors of the Institute.

R.29.0 Power to Modify

Notwithstanding all that has been stated above the Senate has the right to modify any of the regulations from time to time.