

KALASALINGAM UNIVERSITY
(KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION)
(Under Section 3 of the UGC Act 1956)

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M. TECH. – REGULATIONS 2010

(Applicable to students admitted in the year 2010 and later)

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M.TECH – REGULATIONS 2010
(Applicable for batches joined in 2010 and onwards)

R.1.0 Admissions

- R.1.1 Announcement for M.Tech. Admission will be made by the Kalasalingam University and the candidates should apply in the prescribed form on or before the specified dates announced by the University. The eligibility criteria and the qualifying degree for admission to different specialization of the M.Tech programme will be given in the Information Brochure, issued along with the Application Form
- R.1.2 Admissions to the M. Tech programme in any year will be based on the results of the Kalasalingam University Post Graduate Engineering Entrance Examination (KLUPGEE) normally conducted in the month of **May/June** of that year by the University.
- R.1.3 (i) Candidates who have **valid GATE** (Graduate Aptitude Test in Engineering) score or Kalasalingam University Post Graduate Entrance Examination (**KLUPGEE**) score are eligible to apply for M.Tech programme offered by the Kalasalingam University, as full time scholars.
- (ii) Candidates sponsored under **Quality Improvement Programme (QIP)** or other similar programmes are also eligible to apply.
- (iii) Candidates **sponsored by the industries**, established institutes / Research and Development organizations / National laboratories are also eligible to apply.
- (iv) **Foreign nationals** whose applications are received through **Indian Council of Cultural Relations**, Government of India are also eligible to apply.
Foreign nationals also eligible under self-financing scheme for which applications are invited through their embassy.
- R.1.4 (i) The eligibility criteria, for appearing for the Entrance Examination will be decided by the Academic Council
- (ii) The Post-graduate Admissions Committee constituted by the Chairman, Academic Council will decide on the operational aspects of selection of candidates based on the criteria laid down by the Academic Council.
- R.1.5 The Admission Committee will decide on the procedure for conducting the KLUPGEE and prepare a merit list of candidates. Subject to fulfilling the minimum performance criteria in the examination, as decided by the committee from year to year, the Admission Committee will offer admission, in the order of merit, to the successful candidates.
- R.1.6 The selected candidate will be admitted to the M.Tech. programme after he/she fulfils all the admission requirements as indicated in the in the booklet '*Information Brochure for M.Tech. Admission*' issued along with the Application Form, and in the Letter of Admission, and upon payment of all the prescribed fees.

R 1.7 In the matter of admission to the M. Tech programme, the decision of the Admission Committee is final.

R.1.8 If, at any time after admission, it is found that a candidate has not fulfilled all the requirements stipulated in the offer of admission, the Director (Academic) may revoke the admission of the candidate and report the same to the Academic Council.

R.2.0 The Structure of the M.Tech Programme

R.2.1 The programme of instruction will consist of:

- (i) Core courses,
- (ii) Elective courses and
- (iii) Project work

In addition, a student may require to give one or more seminars and to undergo industrial / practical training during the programme, as specified in the curriculum and syllabi of the specialization concerned.

R.2.2 The curriculum of any specialisation of the M.Tech programme is designed to have a minimum total of 65-70 credits [with respect to the specialisation of the M.Tech programme concerned] for the award of the M.Tech degree.

(a) Credits for the courses are assigned based on the following general pattern:

- (i) One credit for each lecture period per week
- (ii) One credit for each tutorial period per week
- (iii) One or two credit(s) for each laboratory or practical session of three periods per week, depending on the degree of effort required to be put in by the students.

(b) For the award of the M.Tech. degree, a candidate shall

- (i) Satisfy all the requirements prescribed by the Regulations of the Academic Council,
- (ii) Earn not less than 65 - 70 credits [with respect to the specialisation of the M.Tech programme concerned] and
- (iii) Complete all courses as specified in the curriculum and syllabus of the programme of the specialisation concerned, within a minimum period of two years or a maximum period of five years (including the duration of withdrawal from the course on medical grounds or for other valid reasons., as per **R.11.1**, if any) from the date of his/her enrolment.

R.2.3 Every specialisation of the M. Tech programme will have a Curriculum and Course Content (Syllabus) approved by the Academic Council.

The medium of instruction, examinations, seminars and project reports shall be in English, unless otherwise specifically mentioned in the curriculum/syllabus.

- R.2.4 The complete programme will be of 4 semesters duration. The academic load in each semester may consist of course work and/or project work as specified in the curriculum of the specialization concerned.
- R.2.5. A student will have register for in all the core courses listed in the curriculum of his/her selected area of specialization and successfully complete all of them. However the Chairman, Board of Study of the programme concerned may grant permission to a student not to register for some of the core courses and substitute them by some other courses depending on the courses successfully completed by the student in the undergraduate programme. This has to be intimated to and approved by the Director (Academic).
- R.2.6 Electives will have to be taken from the courses offered by the Department concerned, in that particular semester from among the list of approved courses. However, the departments can permit selection of electives other than those listed in the curriculum and syllabus provided they have relevance to the area of specialization and subject to the approval of the Director (Academic).

R.3.0 Faculty Advisor

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

The Faculty Advisor will help the students in all their endeavours during their period of study. After the first End-Semester examination, if the Faculty Advisor finds that any of his/her wards is showing poor performance for whatever reason(s), the faculty advisor will bestow special care and attention on him/her as per the Standard Practice Record (SPR) of the University.

R.4.0 Class Committee

- R.4.1 Every class of the M.Tech. Programme will have a Class Committee consisting of Faculty and Students. The constitution of the Class Committee will be as follows:
- (i) A Professor who is not associated with teaching the particular class, nominated by the Director (Academic)/Head of the Department concerned, to act as the Chairman of the Class Committee.
 - (ii) Course teachers of all the lecture-based courses
 - (iii) Laboratory-in-charge(s)
 - (iv) The Class Co-ordinator of the class
 - (v) Five students (in the combination of two from the toppers and three from the rest of the class) from the respective class, to be chosen by the students of the class from among themselves (and)

- (vi) Faculty Advisors of the students of the respective class.

During the semester, when students carry out their project work, the project guides and project work co-ordinator also will be the members of the Class Committee.

R.4.2 The basic responsibilities of the Class Committees are

- (i) To review periodically the progress of the classes.
- (ii) To discuss problems concerning curriculum, syllabi and conduct of the classes.
- (iii) To resolve issues related to slow beginners.

The Class Committee permits minor changes (not exceeding 10 percent) to the prescribed content of a course, proposed by a teacher offering the course, to bring it in tune with the latest developments in Science and Technology/current practices in Industry. However, the Chairman of the Class Committee obtains the approval of the Chairman, Board of Study concerned, and the Director (Academic) for effecting such changes to the content of the course.

The method of assessment of theory and practical course will be decided upon by the course teacher in consultation with the Class Committee, and will be announced to the students at the beginning of the semester. However, for all courses in the first semester of the M.Tech. programme, the method of assessment will consist of two Sessional Examinations and one End-Semester Examination, with weightages specified as in regulation **R.18.1**. Each Class Committee will communicate its recommendations to the Head of the Department concerned and the Director (Academic).

The Class Committees shall meet at least four times in a semester: at the beginning of the semester, after the Sessional Examination I, after the Sessional Examination II, and finally (without the student members) after the End Semester Examination.

The Class Committee, excluding the student-members, is responsible for the finalization of the semester examinations results/grades to the students.

R.5.0 Registration and Enrolment

R.5.1 Except for the first semester, registration for the courses in a semester will be done during a specified week before the End-semester Examination of the previous semester.

R.5.2 From the second semester onwards students have to enroll themselves on the first day of each semester. A student will be eligible for enrolment only if he / she fulfils the requirements of regulation **R.9.0** and is not debarred from enrolment by any disciplinary action of the University. At the time of enrolment a student can drop a

course registered for earlier and also substitute it by another course for valid reason(s).

- R.5.3 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 Director (Academic) to register for one or two ELECTIVE courses ONLY 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 beyond the normal period suitably.
- R.5.4 For each course registered for in a semester, the Registration Sheet contains the code, name, credits assigned and the category it belongs to. The student can make a choice of courses in consultation with his/her Faculty Advisor.

R.6.0 Registration Requirement

- R.6.1 The curriculum for any semester, except the final, normally carries 19 - 24 credits, with respect to the specialisation of the M.Tech programme concerned.

If, in any semester, a student finds his/her academic load to be heavy for any valid reason(s), he/she may drop one or more courses within two weeks from the commencement of the semester, but with the written approval of his/her Faculty Advisor and the Head of the Department concerned. For valid reasons, and with the approval of the HoD concerned, a student may substitute *only* an Elective course (withdrawn from, earlier) with another of the same type within a week of the registration process.

A student who drops a Core course will have to register for the same course and complete it when it is offered next. However, a student who drops an Elective course will have the option of registering for the same or for a different (Elective) course in place of the one he/she had dropped.

In any case, the student should ensure that the total number of courses registered for in any semester enables him/her to earn the minimum number of credits as specified in regulation **R.9.1**.

R.7.0 Half-Time Teaching Assistantship (HTTA)

- R.7.1 Students, who are qualified for M Tech admission through valid KLUPGEE score and are admitted as full time scholars of the University, will be eligible, from the Third semester onwards, for the award of the HTTA scholarship notified by the University from time to time.

Such students who avail the HTTA scholarship are permitted to register for not more than three lecture-based theory courses and a project work. Such students are not permitted to carry out their final year project outside the University.

R.7.2 Students joining the M. Tech programme under sponsorship scheme with full salary will not be granted any HTTA even if they are qualified in KLUPGEE. Self-financing foreign nationals are not eligible for post-graduate HTTA.

R.7.3 All M.Tech students, having HTTA 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 unauthorized leave. The intervening holidays will be treated as part of leave with provision of suffixing and prefixing holidays.

R.8.0 Contact Courses

R.8.1 Contact Courses will be announced by the Office of the Director (Academic) on the recommendation of the Staff Council. A Contact course may be offered during a regular semester by a department *ONLY* to a Final Year student who has obtained a 'U' grade in a *CORE* course. The course will be offered *ONLY* on the recommendation of the department and with the mutual agreement of the teacher and the student. Students registering for the Contact course will have to pay the prescribed fee fixed by the University.

However, in special cases as per the SPR, a Faculty Advisor who finds that his/her wards are in need of extra attention and help may arrange for Contact courses for them with the approval of the HoD concerned and the Staff Council, if required from the fifth semester onwards, *ONLY* for the *CORE* courses.

R.8.2 A student cannot register for more than two Contact courses during a semester.

R.8.3 A Contact course for a subject cannot be offered during a semester if a regular (semester) course is offered for the same subject in that semester.

R.8.4 Final Year students who wish to take Contact courses should apply to the Director (Academic) before the commencement of the semester in which the Contact Courses are to be taken.

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

R.8.6 Withdrawal from a Contact course is not permitted.

R.9.0 Minimum Requirements to Continue in the Programme

R.9.1 A student should earn not less than 11 credits in the First semester and 28 credits by the end of the Second semester and 36 credits at the end of the Third semester.

However, students who do not earn the minimum required credits in the odd semester may be given a chance during the even semester to make up for the loss by securing more credits. If a student does not earn the minimum required credits at the end of an academic year, his/her name may be taken off the rolls of his/her current batch and he/she would be enrolled in the subsequent year's batch.

R.9.2 In addition to the above, a student should have a minimum CGPA of 5.0 (see **R.25.2**) at the end of each semester, calculated on the courses completed. However, students who do not fulfil this minimum requirement in the odd semester will be given a chance during the even semester to make up for the loss by securing more credits. If a student does not have the minimum required CGPA of 5.0 (and/or could not earn the minimum required credits as per **R9.1**), at the end of an academic year, his/her name may be taken off the rolls of his/her current batch and he/she would be enrolled in the subsequent year's batch.

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. However, a student may complete the programme at a slower pace, but in any case, not exceeding six semesters to complete the course work and eight semesters to complete the total programme including project work, including semesters withdrawn on medical grounds or for other valid reason(s), as per **R.11.1**. However, students have to satisfy the requirements mentioned **R.9.1** every semester, failing which their registration is liable to be cancelled.

In case of students who do not complete their project work in four semesters and submit the report in the fifth semester or later, the month and year of completion of the project work and of viva-voce examination will be indicated in the final grade card.

R.11.0 Temporary Withdrawal from the Programme

R.11.1 A student may be permitted by the Director (Academic) to withdraw from the programme for a semester or longer for reasons of ill health or on other valid grounds. Normally, a student will be permitted to discontinue the programme for a maximum period of only two semesters.

A student who is permitted to discontinue may rejoin the programme at the appropriate semester, but only along with the regular students at the time of commencement of that semester.

R.11.2 A student who discontinues and rejoins a programme shall be governed by the rules, regulations, courses of study and syllabus in force at the time of his/her rejoining the programme.

R.11.3 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 organization where they work, if it has R and D facility, or in the University. **Such students should complete the project within six semesters from the date of enrollment 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 the written permission of the Director (Academic) before doing so.

R.12.0 Discipline

R.12.1 Every student is required to observe discipline and decorous behaviour in all activities related to academics and not indulge in activities that would tend to bring disrepute to the University.

R.12.2 Any instance of indiscipline related to the academic activity of a student will be referred to a *Discipline and Welfare Committee*; likewise, any instance of malpractice by a student in connection with the examination process will be referred to an *Examination Monitoring and Grievance Redressal Committee (EMGRC)*, constituted by the Chairman of the Academic Council.

These Committees will inquire into the issue and make recommendations, along with suggesting suitable punishment for the offenders (if the charges against them are substantiated), to the Staff Council. The Staff Council will consider the recommendations of these committees and decide on the appropriate action to be taken. The Director (Academic) will report on the action taken at the next meeting of the Academic Council.

R.13.0 Attendance

R.13.1 Every faculty member handling a class will register his/her students' attendance from the date of commencement of the class work and till the last day of instruction of the semester, and finalise the attendance records of the students. The attendance percentage, calculated up to the last day of instruction of the semester, will be indicated by a number / letter code as shown in the Table 3.

TABLE 3 ATTENDANCE CODE TABLE

| Percentage of Attendance (Rounded to) | Attendance Code |
|------------------------------------------|-----------------|
| 95 and above | H |
| 85 to 94 | 9 |
| 75 to 84 | 8 |
| Below 75 | L |

The particulars of students who have an attendance percentage less than 75 in the courses they had registered for will be displayed on the University notice boards/website. **Students, whose attendance is less than 75% in the courses they had registered for will not be permitted to sit for the End-Semester Examination in these courses.**

The Hall Ticket for the End-Semester Examination will be issued only to eligible students upon their clearing all of their dues to the University, Hostel, Library and other Departments/Sections (if any) of the University.

R.13.2 If a student has an attendance percentage lower than 75 in a course, his/her performance in that course will be treated as not satisfactory, and he/she shall be awarded a "**W**" grade ('W' meaning failure for want of the minimum attendance) in

that course. **This grade shall be mentioned in his/her grade card till the course is successfully completed.**

A student who is awarded a “W” grade for a course must repeat the course, as per regulation **R.24.0**, and he/she is not permitted to re-register for the course as a Contact course.

R.13.3 M.Tech students having HTTA 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 unauthorized leave. The intervening holidays will be treated as part of leave with provision of suffixing and prefixing holidays.

R.13.4 Condonation of Insufficient Attendance

Students who have availed themselves of medical leave on valid grounds may be considered for condonation of insufficient attendance, provided the percentage of their attendance excluding the period of their medical leave is not below 75 % and their attendance including the period of their illness does not fall below 65%. Students can avail themselves of this facility only once during the entire period of their study.

Students who wish to apply for condonation of insufficient attendance should do so within two days of the last working day of the semester, along with the medical certificates and other relevant documents, to the office of the Director (Academic). An Attendance Committee constituted by the Chairman of the Academic Council will study the individual cases and approve of the applications on the basis of their merit.

R.14.0 Assessment Procedure – Tests and Examinations

R.14.1 The Academic Council will decide from time to time on the system of tests and examinations in each course in each semester. The general guidelines for this are as follows:

R.15.0 System of Tests

R.15.1 In the lecture / tutorial-based courses, *two Sessional Examinations* will be conducted for each course. The details of weightage of marks for the Sessional Examinations will be announced by the course teacher, in consultation with the Class Committee, and the Director (Academic), at the beginning of the semester.

R.16.0 End-Semester Examinations

R.16.1 There will be an End-Semester Examination of three hours duration in each lecture-based course.

R.17.0 Evaluation of Project Work

R.17.1 The progress of the students in their Final Year project works will be assessed through three periodical reviews by a Project Review Committee, constituted by the Head of the Department concerned/Director (Academic).

Upon completion of the Final Year project work, the student will have to submit a project report which will be evaluated by duly appointed examiner/s. The evaluation will be based on the report, the assessments during the periodical reviews, and a viva voce examination on the project work.

R.17.2 The project reports of M.Tech. students who have not completed their courses will be evaluated in the same semester and the results sent in an envelope labelled CONFIDENTIAL to the Director (Academic), by the examiners. The results of evaluation of the project work will be declared by the Director (Academic) only after successful completion of all the courses by such students.

R.18.0 Weightages

R.18.1 Weightages of Sessional Examinations and End Semester Examinations for the different courses:

(a) ***Theory courses:***

The weightage for theory courses of the M.Tech. programme should not be below 40% each for both Sessional and End-Semester examinations. Subject to the above constraint, the Class Committee is free to decide on the weightages for any course and announce the same to the students within 2 weeks from the beginning of the semester.

(b) ***Laboratory courses:***

| | |
|--------------------------|-----|
| Sessional Assessment | 50% |
| End-semester examination | 50% |

R.18.2 The evaluation for all examinations, tutorials, assignments (if any), laboratory work and examinations will be on an absolute basis. The final marks in each course are calculated as per the weightages mentioned in regulation **R.18.1**. The equivalent letter grading is on a relative basis, taking into consideration the marks scored by the students of the class in the particular course.

R.19.0 Make-up Examination

R.19.1 Students who have missed the Sessional examination(s) or End-Semester examinations for valid reasons are eligible to appear for a Make-up Examination.

Students who have missed either one or both the Sessional Examinations and the End-Semester examination in the same course for genuine reasons, such as illness, may be permitted to write only the Make-up Examination for the **missed End-Semester Examination, with no marks being awarded for the missed Sessional Examination(s)**, provided they satisfy the attendance requirements.

Such of the above-mentioned students should make an application, recommended by the Faculty Advisor and Head of the Department concerned, to the Director (Academic) **within one week of the date of the examination missed, explaining the reason(s) for their absence.** Applications received after this period will not be entertained.

The Examination Monitoring and Grievance Redressal Committee (EMGRC) will scrutinize the applications and make recommendations to the Director (Academic) on the basis of the merit of their applications.

- R.19.2 Official permission to take a Make-up examination will be given under exceptional circumstances, such as admission to a hospital on account of illness.

Students residing in the hostels should produce a Medical Certificate issued by the Chief Medical Officer (CMO) of the University that he / she was admitted in the University hospital during the period of the missed Sessional Examination(s) /End-Semester Examination.

Students residing in the hostels who wish to have consultations with doctors outside are required to obtain the written permission of the Medical Officer of the University hospital **before they have such consultations.**

Students residing in the hostels but already having consultations with doctors outside are required to obtain an endorsement on the certificate of treatment from the Medical Officer of the University hospital.

A student staying outside the University campus permanently / temporarily must produce a Medical Certificate from a Registered Medical Practitioner and the same **should be duly endorsed by the Parent / Faculty Advisor/ Guardian and the CMO of the University.**

- R.19.3 **A single Make-up examination will be held about a week after the End-Semester examination for those who are permitted to take the Make-up examination.**

The question paper will be common to all students taking the Make-up examination in a given course. However, the question paper will be so structured that a student will be required to answer only part(s) of the question paper carrying marks in proportion to the weightages of the examinations missed by him / her.

R.20.0 Course-wise Grading of Students

R.20.1 Letter Grades

Based on the performance in each semester, each student is awarded a final letter grade at the end of the semester in each course. The letter grades and the corresponding grade points are shown in Table 4.

TABLE 4 GRADE CONVERSION TABLE

| Grade | Grade Points | Result |
|-------|--------------|--------------------------------------------|
| S | 10 | Pass |
| A+ | 9 | Pass |
| A | 8 | Pass |
| B | 7 | Pass |
| C | 6 | Pass |
| D | 5 | Pass |
| E | 4 | Pass |
| U | 0 | Fail |
| W | 0 | Failure for want of the minimum attendance |
| I | 0 | Incomplete |

The “I” grade, awarded in a course to a student for failing to complete the prescribed formalities relevant to that course, will be subsequently changed to a pass grade (i.e., S/A+/A/B/C/D/E) or a “U” grade in the same semester on completion of those formalities.

R.20.2 A student is considered to have completed a course successfully and earned the associated credits if he/she secures a letter grade other than a “U”, “W” or “I” in that course. **The grade “U” or “W” in any course implies a failure in that course. A course successfully completed cannot be repeated.**

R.21.0 Method of Awarding Letter Grades

R.21.1 A final meeting of the Class Committee without the student members will be convened within seven days from the last day of the End-Semester examination. The letter grades to be awarded to the students for the different courses will be finalized at the meeting.

R.21.2 Along with the Summary Sheet, a copy of the Result Sheet (Grade Sheet) for each course, containing the absolute marks, final grade and attendance code, will be submitted by the course teachers/Class Co-ordinator to the Class Committee Chairman concerned. After finalization of the grades at the Class Committee meeting, the Grade Summary Sheet and the Grade Sheet of the individual courses will be endorsed and forwarded by the Class Committee Chairman to the Director (Academic).

R.22.0 Declaration of Results

R.22.1 After finalization of the grades by the Class Committee as per regulation **R.21.1**, the Grade Sheets will be submitted for approval to a Grade Approval Committee constituted by the Chairman of the Academic Council. After the verification by the Grade Approval Committee, the Grade Summary Sheet and Grade Sheets of the individual courses will be endorsed and forwarded to the Director (Academic).

- R 22.2 With the approval of the Grade Approval Committee, the results of all the examinations conducted in a semester will be placed before the Result Passing Committee, constituted by the Chairman of the Academic Council, for the final approval.

With the approval of the Result Passing Committee, letter-grades awarded to the students in each course will be announced by the office of the Director (Academic) on the University notice boards and website.

- R.22.3 **The “U” or “W” grade, once awarded, stays in the record of the student, and is replaced with a pass grade when he/she completes the course successfully later;** the CGPA will be accordingly revised.

R.23.0 Distribution of Evaluated Answer Books

- R.23.1 Student shall have access to their answer books of the Sessional and End-Semester examinations through the course teachers concerned on the day specified in the Academic Calendar. In case of any dissatisfaction at the evaluation, a student may contact and make an appeal to the course teacher concerned within two days of the date of distribution of the evaluated answer books. If the teacher determines that a case for lower-than-deserved marks brought to his/her attention by a student is genuine upon re-examining the answer book, he/she shall forward the revised marks, along with a justification for the revision, to the Director (Academic) through the Chairman of the Class Committee concerned, and with an intimation to the respective Head of the Department.

If the student is not satisfied with the outcome of the re-examination of his/her answer book by the teacher, he/she should make an application to the Director (Academic) for re-evaluation of the answer book within a week of the date of distribution of the evaluated answer books. Any applications for re-evaluation received after this period will not be entertained. All applications for re-evaluation will be processed by the EMGRC and suitable decision will be taken by the Staff Council of the university, on the basis of individual merit.

The evaluated answer books after distributed to the students will be retained for a period of one year from the date of examination and will be destroyed by the academic office after this period. No grievances/complaints related to the examination/valuation of answer books will be addressed by the university after the destruction of the answer books.

R.24.0 Course Repetition

- R.24.1 A student who has secured “U” grade in a Core course will have the option of either repeating the course when it is offered next or reappearing only for the End-Semester Examination in the course (as supplementary examination), conducted in the subsequent semester, to secure a pass grade. A student securing a “W” grade in a Core course has to repeat the course compulsorily when it is offered next.

R24.2 A student securing “U” grade in an Elective course may repeat the course, if he/she so desires or reappear for the End-Semester Examination in the course, conducted in the subsequent semester, to secure a pass grade; otherwise, he/she may register for another Elective course (in place of the one for which he/she was awarded the “U” grade) and successfully complete the same.

A student securing “W” grade in an Elective course may repeat the course, if he/she so desires, to secure a successful grade; otherwise, he/she may register for another Elective course (in place of the one for which he/she was awarded the “W” grade) and successfully complete the same.

R 24.3 A student who is repeating a course will be governed by the regulation and syllabus then in force, for that course.

R.24.4 Supplementary examinations for failed candidates (those securing “U” grade) in a course will be conducted only along with the regular End-Semester examinations in the subsequent semester(s), with a question paper common to them and the regular students of that semester. Question Papers for all supplementary examinations in a course will be on the basis of the regulations and syllabus then in force.

No supplementary examination will be conducted for a course that is not offered during a semester. Further, no supplementary examination will be conducted for Sessional Examinations.

The student’s letter grade will be determined, on a relative basis, along with the class of students for whom the said course was offered in that semester.

R24.5 A course successfully completed cannot be repeated.

R.25.0 Grade Card

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

- (i) the list of courses registered by the student along with credits for each course registered for in that semester,
- (ii) the letter grade obtained in each course,
- (iii) the attendance code assigned for each course,
- (iv) the total credits earned in that semester,
- (v) the cumulative credits earned up to the end of that semester,
- (vi) the Grade Point Average of all the courses taken in that semester (SGPA) and
- (vii) the Cumulative Grade Point Average (CGPA) of all the courses taken from the first semester up to the end of that semester

R.25.2 The Semester Grade Point Average (SGPA) will be calculated according to the following formula

$$S GPA = \frac{\sum (C \times GP)}{\sum C}$$

where C = Credit(s) for the course registered,

GP = Grade Point, as per the Grade Conversion Table (Table 4), given under **R.20.1**, for the letter grade obtained by the candidate for the course,

$\sum C$ = Sum of credits from all the 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 $\sum C$, the sum of credits, is from all the courses registered in all the semesters completed up to the end of that semester.

R.26.0 Project Work in Industry or Other Organizations

R.26.1 Sponsored candidates from organizations which have R & D units and facilities for research work and those students who get employment in such organization after completion of the course work may be permitted to carry out their project work in such organizations during the final semester 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 University)
- ii) area of project work and
- iii) the name and designation of an external guide (Scientists or Engineer in Industry).

R.26.3 The above details should be submitted to the Director (Academic) through the Head of the Department and the Director'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 will have to pay the tuition and other fees to the University for the third and fourth semester

R.27.0 Eligibility for Award of the M.Tech. Degree

R.27.1 A student shall be declared to be eligible for award of the M.Tech. degree if he/she has

- (i) registered for and successfully completed all the required Core courses, Elective courses and the Project work,

- (ii) successfully earned the minimum required credits as specified in the curriculum corresponding to the specialization of the M.Tech programme of his/her study within the stipulated time,
- (iii) no dues to the University, Hostels, Libraries, Offices of Parent-Teacher Association/ Alumni Association, etc. and
- (iv) no disciplinary action pending against him / her.

R.27.2 **Degree Classification:** The Degree of Master of Technology shall be awarded in three categories:

- (i) First Class with Distinction
- (ii) First Class
- (iii) Pass

For a First Class with Distinction, the student must earn 65 to 70 credits [with respect to the specialisation of the M.Tech programme concerned] within two years from the time of admission/enrolment and obtain a minimum **CGPA of 8.25** with **all courses passed in the first attempt.**

For a First Class, the student must earn 65 to 70 credits [with respect to the specialisation of the M.Tech programme concerned] within two years from the time of admission/enrolment and obtain a **minimum CGPA of 6.75.**

Students who earn the requisite number of credits (65 to 70 credits [with respect to the specialisation of the M.Tech programme concerned]) within four years from the date of admission will be awarded a Pass.

R.27.3 The award of the degree must be recommended by the Academic Council and approved by the Board of Management of the University.

R.28.0 Power to Modify

R.28.1 Notwithstanding all that has been stated above, the Academic Council reserves the right to modify any/all of the above regulations from time to time.
