

KALASALINGAM UNIVERSITY
Anand Nagar, Krishnankoil-626190

B. TECH – REGULATIONS

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CURRICULUM AND SYLLABUS

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R.1.0 Admission

- R.1.1 The number of seats in each branch of the B.Tech programme for which admission is to be made in the University will be decided by its Academic Council.
- R.1.2 Admission to the B. Tech programme in any year will be based on the results of Kalasalingam University Engineering Entrance Examination to be conducted in the month of **April / May** of that year by University.
- R.1.3 (i) The eligibility criteria, for appearing the Entrance Examination, as well as the criteria to be satisfied to apply for direct admission (to first year) in any academic year will be decided by the Academic Council
- (ii) The Under-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.1.4 The Admission Committee will decide on the procedure for conducting the Entrance Examination and prepare a merit list of candidates, course to minimum performance criteria in the examination as decided by the committee from year to year, the Admission Committee will offer admission, in order of merit, from the list of candidates, taking into account the choice of branch indicated by the candidate and the availability of seats in each branch.
- R.1.5. At the time of admission, a candidate should have passed in the final examination of any one of the following qualifying examinations:

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- (i) H.Sc (Academic)/ H.Sc (Vocational) or equivalent course (10+2) system, conducted by any recognized Central/ State Board, such as Central Board of Secondary Education, New Delhi, Council for Indian School Certificate Examination, New Delhi, etc.
- (ii) Intermediate or two-year Pre-University course conducted by a recognized Board/ University
- (iii) Two-year course of the Joint Services Wing of the National Defence Academy
- (iv) General Certificate Education (GCE) Examination (London/ Cambridge/ Sri Lanka) at the Advanced (A) level
- (v) High School Certificate Examination of the Cambridge University
- (vi) Any Public School/ Board/University Certificate in India or in any foreign country recognized by the Association of Indian Universities as equivalent to 10+2 system
- (vii) Senior Secondary School Examination conducted by the National Open School with a minimum of five courses
- (viii) 3 or 4 year Diploma recognized by AICTE or a State Board of Technical Education
- (ix) Any other examination (being conducted in India/abroad), **equivalent** to any of the above mentioned examination.

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In case the relevant qualifying examination is not a public examination, the candidate must have passed at least one public (Board or Pre-University) examination at an earlier level.

If any board awards only letter grades without providing an equivalent percentage of marks on the grade sheet, the candidate should obtain a certificate from the Board specifying equivalent marks, and submit it at the time of counselling. In case such a certificate is not provided by the candidate, the decision of the Admission Committee regarding his/ her eligibility shall be held final.

In addition to the above said requirement in their qualifying examination the candidates should have obtained a rank in the Entrance Examination conducted by the university.

- R.1.6 Candidates have to fulfil the medical standards required for admission as set out in the Information Brochure sent along with the application form.
- R.1.7 Age Limit: The maximum age of a candidate seeking an admission in the B.Tech programme in a particular year is 21 as on 1st July of the year.
- R.1.8 The selected candidate will be admitted to the B.Tech programme after he / she fulfils all the admission requirements as indicated in the letter of admission and after the payment of all the prescribed fees.
- R 1.9 In matter of admission to the B. Tech programme, the decision of the Admission Committee is final.**

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- R.1.10 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 matter to the Academic Council.

R.2.0 The Structure of B.Tech Programme

- R.2.1 The programme of instruction will consist of:
- i) A general core programme comprising basic sciences, engineering sciences, humanities, engineering arts and mathematics.
 - ii) An engineering core programme introducing the student to the foundations of engineering in his / her branch.
 - iii) An elective programme enabling the students to take up a group of courses of interest to him / her (and)
 - iv) A project approved by the Department.

In addition, a student should satisfactorily complete the minimum number of other prescribed Non-CGPA courses as stipulated in Table 2 of **R 2.6**.

- R.2.2 The curriculum of any branch of the B.Tech programme is designed to have a total of minimum 197-199 credits (a minimum of 177 – 179 Cumulative Grade Point Average (CGPA) credits [with respect to the concerned department] and a minimum of 20 Non-CGPA credits) for the award of the B.Tech degree.
- (a) Credits for the CGPA courses are assigned based on the following general pattern:
- 1) One credit for each lecture period per week.
 - 2) One credit for each tutorial period per week.

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- 3) One or two credit(s) for each laboratory or practical session of three periods per week depending on the degree of the effort required to be put by the students.
- (b) All the Non-CGPA courses are of Pass/Fail type. Students have to select at least one course in each group of Non- CGPA courses as given in Table -2. At the completion of each non- CGPA course, the performance of each student will be evaluated by the respective Course Coordinator of the Non-CGPA Course, and if it is found satisfactory and conforming the requirements of the course, the student will be awarded full credits assigned to the course.
- (c) To complete the curriculum, a candidate shall
- 1) Satisfy all the requirements prescribed by the Regulations of the Academic Council.
 - 2) Earn not less than 197-199 credits (minimum of 177-179 CGPA credits [with respect to the concerned department] and minimum of 20 Non-CGPA credits) of courses,
 - 3) Complete all courses as specified in the syllabus, within a minimum period of four years or a maximum period of seven years (including the duration of withdrawal from the course on medical grounds etc., as per **R.12.1**, if any) from the date of his enrolment.
- R.2.3 Every branch of the B. Tech programme will have a curriculum and course contents (syllabi) for the courses approved by the Academic Council.

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

- R.2.4 The complete programme will consist of five categories, viz., Humanities, Basic Sciences, Basic Engineering, Professional Major and Minor courses. These courses are distributed over eight semesters with two semesters per year.
- R.2.5. No semester shall have more than 7 lecture based courses and four laboratory courses as prescribed in the curriculum carrying a maximum of 27 CGPA credits. However, the students are permitted to register for an additional course (backlog) from V semester onwards, course to the following condition.
- (i) The maximum number of CGPA credits registered in any semester shall not exceed 30.
 - (ii) The student's Faculty Advisor and Head Of the Department recommend the same.

After the fourth semester, the eligible students appearing for honours degree are also allowed to register for an additional lecture based CGPA course (new course) in each of the subsequent semesters to earn the required additional 12 CGPA credits, as prescribed in **R.27.2**

- R 2.6 Every course of the B.Tech programme will be placed in one of the six categories listed in Table 1, or in one of the thirteen categories listed in Table 2. A student must earn a minimum number of credits under each category as shown in Tables 1 and 2.

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The students belonging to the VI or higher semesters are eligible to register for courses offered under M.Tech / M.Sc. programmes as their elective courses. But every such student desiring to register for such a course must obtain the consent of the teacher offering the course.

TABLE 1 – CATEGORY OF COURSES WITH CGPA CREDIT

<i>Sl. No.</i>	<i>CATEGORY</i>	<i>CGPA CREDIT</i>	<i>COURSE-WISE MINIMUM CREDIT REQUIREMENT</i>
1.	HUMANITIES	13	13
2.	BASIC SCIENCES		22 - 25
	Physics	7	
	Chemistry	4	
	Mathematics	12	
	Environmental Sciences	2	
3.	BASIC ENGINEERING		17
	Theory	13	
	Skills	4	
4.	PROFESSIONAL MAJOR		110-115
	Theory Courses	61-71	
	Electives	12-13	
	Laboratory	18-22	
	Self Study	3	
	Project	8-10	
5.	MINOR ELECTIVES	6	6
6.	FREE ELECTIVES	6	6
	Total		177-179

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**TABLE 2 - CATEGORY OF COURSES WITH
NON-CGPA CREDIT**

<i>SL. No.</i>	<i>GROUP</i>	<i>CATEGORY</i>	<i>NON-CGPA CREDIT</i>	<i>MINIMUM CREDIT REQUIREMENT</i>
1	Group1	Industrial Training I	3	20
2		Industrial Training II	3	
3		Industrial Lectures	3	
4	Group2	Soft Skills	3	
5		International Certifications (Technical)	3	
6		Co-curricular activities	3	
7	Group3	SPORTS	3	
8		NCC *	3	
9		NSS	3	
10		Extra-curricular activities	3	
11	Group4	International Proficiency ExamsI(TOEFL/IELTS)	3	
12		International Proficiency ExamsII(GRE/GMAT/ CAT/GATE)	3	
13		International Languages (French/German/ Japanese etc.)	3	
Total			39	

*NCC is not available for the foreign nationals.

Minimum credit requirement : 197 to199

(177 to 179 CGPA + 20 Non-CGPA)

(With respect to the concerned department)

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 concerned Department 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 his/her entire endeavour during their period of study. After the first end semester examination if the Faculty Advisor finds any of his/her wards is showing poor performance for what so ever be the reasons, will plan and show special care and attention to them as per the Standard Practice Record (SPR) of the University.

R.4.0 Class Committee

- R.4.1 Every class of the B.Tech programme will have a Class Committee consisting of Faculty and Students. There will be one Class Committee for each of the first two semesters and for the common courses of the third semester constituted by Head Of the Department concerned. The class committees for the departmental courses of each semester will be constituted by the Head of the concerned departments.

- R.4.2 The constitution of the Class Committee for the first two semester's common courses (excepting Professional Major Theory courses) will be as follows:

- i) One professor who is not associated with teaching the particular class, to be nominated by the Director (Academic) to act as the Chairman of the Class Committee.

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- ii) Course Coordinator of each of the lecture based courses
- iii) Course Coordinator for each of the Non-CGPA courses offered during the semester
- iv) Workshop Superintendent / Laboratory In charges
- v) Five students (in the combination of two from the toppers and three from rest of the class) from the respective class to be chosen by the students of the class from amongst themselves (and)
- vi) Faculty Advisors of the respective class.

On similar lines, separate class committee will be constituted for the summer term courses organized at the end of even semesters exclusively for the slow beginners.

R.4.3 The constitution of the Class Committee for the department courses of each semester will be as follows:

- i) One professor of the concerned Department, preferably not associated with teaching of the class, to be nominated by the concerned Head Of the Department, to act as the Chairman of the Class Committee.
- ii) All teachers of lecture-based courses except Chemistry, Mathematics and Humanities courses
- iii) Course Coordinator for each of the Non-CGPA courses offered during the semester

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- iv) Faculty Advisors of the respective class.
- v) Five students (in the combination of two from the toppers and three from rest of the class) to be chosen by the students of the class from amongst themselves

Separate Class Committee for Chemistry, Physics, Mathematics and Humanities courses will be constituted by the respective Heads of Departments on similar lines.

On similar lines, separate class committee will be constituted for the summer term courses organized at the end of even semesters exclusively for the slow beginners.

R.4.4 The basic responsibilities of the Class Committees are

- a) To review periodically the progress of the classes,
- b) To discuss problems concerning curriculum and syllabi and the conduct of the classes, for both CGPA and Non-CGPA courses.
- c) To resolve the issues related to slow beginners in regular semesters and in summer term courses.

The method of assessment in 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. However for the common courses in the first two semesters of the B.Tech programme, the method of assessment will consist of two Sessional Examinations and one end semester examination with weightages specified in **R.18.1**. Each class committee will communicate its recommendations to the Head Of the Department and the Director (Academic).

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The method of assessment in the Non-CGPA course will be decided by the concerned Course Coordinator in consultation with the class committee and will be announced to the students at the beginning of the semester.

The Class Committee without student members is responsible for the finalization of the semester results.

The class committees shall meet at least thrice in a semester, once at the beginning of the semester, once after the I Sessional Examination, once after the II Sessional Examination, and once (without the student members) at the end of the semester to finalize the grades.

R.5.0 Registration and Enrolment

- R.5.1 Except for the first semester, registration of a semester will be done during a specified week before end semester examination of the previous semester. Late registration / enrolment will be permitted with a fine of Rs.2500/- up to two weeks from the last date specified for registration.
- R.5.2 From the second semester onwards all students have to enroll on a specified day at the beginning of each semester. A student will be eligible for enrolment only if he / she satisfy **R.9** and will be permitted to enroll only if he / she has cleared all dues to the University, Hostel, Library and the NCC Unit up to the end of the previous semester, provided he is not debarred for enrolment by a 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 reasons.

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- R.5.3 The registration sheet contains the course number, course name and number of credits and category of each course to be taken in that semester. The student can make the choice of course in consultation with his Faculty Advisor.

R.6.0 Registration Requirement

- R.6.1 The curriculum for any semester, except for the final semester will normally carry credits between 19 and 27.

If a student finds his / her load heavy in any semester, or for any other valid reason, he / she may drop courses within three weeks of the commencement of the semester but before commencement of first Sessional Examination with the written approval of his / her Faculty Advisor and Head of the department.

However the student should ensure that the total number of credits registered in any semester should enable him / her to earn the minimum number of credits as specified in **R.9.1**.

R.7.0 Summer Term Course

- R.7.1 All Summer Term Courses (STC) will be announced by the Office of Academics on the recommendation of the Departmental Consultative Committee.

A Summer Term Course is open to those students who had taken the course earlier and failed and also to slow beginners who has withdrawn the course as recommended by the respective Faculty Advisors.

No student should register for more than two courses during a summer term, including contact course during summer.

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- R.7.2 Summer term courses will be announced by the Office of Academics at the end of the even semester before the commencement of the end semester examinations. A student will have to register within the time stipulated in the announcement by paying the prescribed fees.
- R.7.3 The number of contact hours in any summer term course will be the same as in the regular semester course. The assessment procedure in a summer term course will also be similar to the procedure for a regular semester course.
- R.7.4 Withdrawal from a summer term course is not permitted. No make up examination (see **R.19**) will be given for a summer term course ordinarily.
- R.7.5 Students who have not completed the registered courses are not eligible to register for those courses in Summer Term Course.

R.8.0 Contact Courses

- R.8.1 A contact course may be offered during the regular semester or summer term by a Department ONLY to a final year student who has obtained “U” grade in a CORE course. The course will be offered ONLY on the recommendation of the department with the mutual agreement of the teacher and the student.
However, on special cases as per SPR, for students identified by their respective Faculty Advisors, the Faculty Advisors concerned may co-ordinate and arrange contact courses if required from the V semester onwards ONLY for the CORE courses.
- R.8.2 A student cannot register for more than two contact courses during the semester or summer period. If the students

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register two Summer Term Courses as per the regulation **R7.0**, then they are not eligible for contact course during that summer.

- R.8.3 The contact course cannot be offered if a semester OR a summer course is offered on the same course, during that period.
- R.8.4 Such final year students, who wish to take contact courses, should apply to the Director (Academic) before the commencement of the semester / summer term in which the contact course is to be taken.
- R.8.5 The assessment procedure for a contact course will be similar to the procedure for the regular semester course.
- R.8.6 Withdrawal from a contact course is not permitted.

R.9.0 Minimum Requirements to Continue the Programme

- R.9.1 A student should earn not less than 11 CGPA credits in the first semester and 28 CGPA credits (including the Summer Term Courses) at the end of the second semester.

Thereafter he must maintain an average of 15 CGPA credits per semester including first two semesters to continue his studies. However in the final semester a student may earn less than 15 CGPA credits if it is sufficient for him to fulfil the requirements for the award of the degree.

However, students who do not fulfil the minimum required credits in the odd semester may be given a chance to make up the loss during the even semester by securing more credits. If any student does not fulfil the minimum required

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credits at the end of academic year, his/her name may be removed from the rolls.

- R.9.2 Student is expected to credit the Non-CGPA courses in NCC / NSO / NSS during first four semesters itself. Similarly, the student is expected to complete the required Non-CGPA courses on Industrial Training/Industrial lecture before they take up the final year project work.
- R.9.3 A student should have a minimum CGPA of 5.0 (see **R.25.2**) calculated for the courses successfully completed at the end of each semester. However, students who do not fulfil this minimum requirement in the odd semester will be given a chance to make up the loss during the even semester by securing more credits. If any student does not make up the minimum required CGPA of 5.0 (and/or could not earn average 15 credits as per **R9.1**), at the end of academic year, (after the summer term period), his/her name may be removed from the rolls

R.10.0 Maximum Duration of the Programme

- R.10.1 A student is ordinarily expected to complete the B.Tech programme in eight semesters. However a student may complete the programme at a slower pace by taking more time, but in any case not more than 14 semesters including semesters withdrawn on medical grounds etc. as per **R.11.1**. However, the students have to satisfy **R.9.1** every semester, failing which their registration will be cancelled.

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 other valid reasons. Normally, a

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student will be permitted to discontinue from the programme only for a maximum period of two semesters.

R.12.0 Discipline

- R.12.1 Every student is required to observe discipline and decorous behaviour in all academic related activity and not to indulge in any activity which will tend to bring down the prestige of the University.
- R.12.2 Any act of indiscipline related to academic activity of a student will be referred to a **Discipline and Welfare Committee** constituted by the Chairman of the Academic Council. The Committee will enquire into the charges and recommend suitable punishment if the charges are substantiated. The Director (Academic) will consider the recommendation of the Discipline and Welfare Committee and take appropriate action. The Director (Academic) will report the action taken at the next meeting of the Academic Council.

R.13.0 Attendance

- R.13.1 Every teaching staff member handling a class will take attendance till the last instruction day in that semester and finalise the attendance secured by the student. The percentage of attendance, calculated up to this point, will be indicated by a code number / letter as follows:

<i>Attendance Rounded to</i>	<i>Code</i>
95% and above	H
85 to 94%	9
75 to 84%	8
Below 75%	L

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The particulars of all students who have attendance less than 75% in that course be announced in the class by the teacher himself. Copies of the same should also be sent to the Director (Academic) and Heads of Departments concerned. **Students, who got less than 75% of attendance, will not be permitted to sit for end semester examination in the course(s) in which the shortfall of attendance exists.**

- R.13.2 If a student has an attendance lower than 75% in a course, his/her registration for that course will be treated as cancelled, and he/she shall be awarded **‘W’ grade** (W stands for registration cancelled for want of minimum attendance) in that course. **This grade shall appear in his/her grade card till the course is successfully completed.**

A student who is awarded with ‘W’ grade for a course must repeat the course as per the regulation **R.24.0**.

- R.13.3 For the non CGPA courses the minimum attendance requirement is 75%. If a student falls short of the attendance requirement he/she should make up the deficiency as below:

- (i) If the absence is on valid grounds, the deficiency will have to be made up in the extra make-up programmes under the concerned Non-CGPA courses to be offered during the Summer/Winter of the same year.
- (ii) If the absence is unauthorized, the deficiency will have to be made up during the following year when the concerned Non-CGPA course offered.
- (iii) The deficiency in NSS/NCC/SPORTS classes will have to be made up at the rate of two classes for each class missed.

R.13.4 Condonation of Attendance:

Those students who have availed medical leave on valid grounds may be considered for condonation of attendance provided the percentage of attendance excluding the period of medical leave is not below 75 % and their overall attendance including the period of illness does not fall below 65%. **The rule of Condonation of Attendance is not applicable to any of the Non-CGPA Courses. All cases have to be referred to Discipline and Welfare Committee.**

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 broad guidelines are given below.

R.15.0 System of Tests

R.15.1 In lecture / tutorial based courses, *two Sessional Examinations* (in the case of common courses of first two semesters and for higher semester courses as decided by the class committee) will be held for each course per semester. The details of weightage of marks for these Sessional Examinations will be announced by the teacher, in consultation with the Class Committee, and the Director (Academic) at the beginning of the semester.

R.16.0 End Semester Examination

R.16.1 There will be one end semester examination of three hours duration in each lecture based course.

R.17.0 Project Evaluation

R.17.1 At the completion of a project 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 and a viva voce examination on the project.

R.17.2 The project reports of B.Tech students who have not completed their courses will be evaluated in that semester itself and the result sent in confidential cover to the Director (Academic). The result of the project work evaluation will be declared by the Director (Academic) only after the successful completion of all the courses by those students.

R.18.0 Weightages

R.18.1 The weightages for different courses:

(i) **For common courses** of first two semesters:

a) *Theory courses:*

2 Sessional Examinations - 20 marks each	40%
End Semester Examination	50%
Assignments, Quiz, Tutorials	10%

b) *Laboratory based courses:*

Sessional Assessment	50%
End-semester examination	50%

(ii) **For higher semester courses:**

a) *Theory courses:*

The weightage for theory courses of higher semesters of the B.Tech programme should not be below 40% each for both sessional assessment and

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end semester examination. Course to the above constraint, the Class Committee is free to decide the weightages in any course and announce to the students within 2 weeks from the beginning of the semester.

b) *Laboratory based courses:*

Sessional Assessment	50%
End-semester examination	50%

R.18.2 The evaluation for all tests, tutorial assignments (if any), laboratory work and examinations will be on an absolute basis. The final marks are calculated in each course as per the weightages given in **R.18. 1**. The equivalent letter grading is based on relative grading, taking into consideration the total marks scored by the student.

R.19.0 Make-up Examination

R.19.1 Students who have missed the sessional examinations or end-semester examinations for valid reasons are eligible for a make-up examination.

Student who has missed sessional examination(s) and the end semester examination in the same course due to genuine reasons like illness etc. may be permitted to write make-up examination for the **missed End Semester Examination alone and awarded zero marks for the missed Sessional Examination(s)**, provided the student satisfies the attendance requirements.

They should make an application recommended by faculty Advisor and Head of the department to the Director (Academic) **within one week from the date of the examination missed explaining the reasons for their**

absence. Applications received after this period will not be entertained.

- R.19.2 Official permission to take a make-up examination will be given under exceptional circumstances such as admission to a hospital due to 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 Hospital during the period of the missed Sessional Examination /End Semester Examination

Students residing in the Hostels and taking medical consultation with outside Doctors are required to obtain written permission from the Medical Officer, of the University Hospital **before they proceed for consultation.**

Students residing in the hostels but taking medical consultation with outside Doctors are required to obtain an endorsement on the certificate of treatment by the Medical Officer of the University Hospital.

A student staying outside the Campus permanently / temporarily must produce a medical certificate from the Registered Medical Practitioner and the same **should be duly endorsed by parent / guardian and CMO of the University.**

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

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The question paper will be common to all the students taking make-up examinations in a given course. However the question paper will be so structured that a student will be required to answer only parts of the paper carrying marks in proportion to the weightages of the tests / examinations missed by him / her.

R.20.0 Course wise Grading of Students

R.20.1 Letter Grades

Based on the semester performance, 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 as follows:

S	10	grade points
A+	9	“
A	8	“
B	7	“
C	6	“
D	5	“
E	4	“
U	0	“
W	0	Failure due to insufficient attendance in the particular course
I	0	Incomplete (Subsequently to be changed into pass (i.e., S/A+/A/B/C/D/E) or Ugrade in the same semester).

R.20.2 A student is considered to have completed a course successfully and earned the credits if he/she secures a letter grade other than U or W or I in that course. **A letter 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 after the last day of the end-semester examination. The letter grades to be awarded to the students for different courses will be finalized at the meeting.

R.21.2 Two copies of the result sheets for each course, containing the final grade and attendance code and two copies with the absolute marks, the final grade and the attendance code will be submitted by the teacher to the concerned class committee chairman.

After finalization of the grades at the Class Committee meeting, one copy with the absolute marks and one without the absolute marks but having only the grades and the attendance code will be forwarded by the Class Committee Chairman to the Director (Academic). The other two copies will be sent to the Head of the Department in which the course is offered.

R.22.0 Declaration of Results

R.22.1 After finalization by the Class Committee as per **R.21.1**, the Letter-Grades awarded to the students (in each common course in the first two semesters and in the courses of the third semester offered in common to all the disciplines of the B. Tech programme), will be announced by the office of the Director (Academic).

For the rest of the courses offered in the third semester and courses offered in the fourth and higher semesters by a department the letter grades awarded will be announced on the departmental notice board.

R.22.2 **The W grade once awarded stays in the record of the student and is deleted when he completes the course successfully later.** The grade acquired by him 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, indicating also the number of attempts made in that course.** The CGPA will be accordingly revised deleting the `U' grades in the earlier attempts in that course.

R.23.0 Re-examination of Answer Papers

R.23.1 The student shall have access to his answer paper/s in the sessional and end semester examination which may be shown to him by the teacher/s concerned on a specified day. If the teacher feels that the case is genuine he may re-examine the case and forward a revised grade, if any, to the Director (Academic) through the Chairman of the class committee with justification for the revision, with intimation to the Head of the Department.

R.24.0 Course Repetition

R.24.1 A student earned U or W grade in a core course has to repeat it compulsorily when the course is offered next. A student securing U or W grade in an elective course, may repeat it if he/she so desires to get a successful grade, otherwise may register for another elective (in place of the elective for which he/she is awarded U or W grade) and successfully complete the course. **A course successfully completed cannot be repeated.**

R.25.0 Grade Card

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

- a) the credits for each course registered for that semester;
- b) the letter grade obtained in each course
- c) the attendance code in each course
- d) the total number of credits earned by the student up to the end of that semester in each of the course categories
- e) the Cumulative Grade Point Average (CGPA) of all the courses taken from the first semester

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

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

where C = credit for the course,

GP = the grade point obtained for the course and

\sum the sum is over 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 the sum is over all the courses taken in all the semesters completed up to the point in time.

R.26.0 Requirement of Non-CGPA credit courses

- R.26.1 All students admitted to the B.Tech programme must earn a minimum of 20 credits out of 39 credits under the Non-CGPA credit courses by taking at least one course in each group as mentioned under Table 2 of Regulations **R2.0**.
- R.26.2 Each student, in consultation with his/her faculty advisor will plan the Non-CGPA courses which are normally offered during the semester and/or during the vacations either during the University working hours and/or after the working hours.
- R.26.3 The list of Non-CGPA courses and the course schedule will be displayed at the office of the Director (Academic) before the end of every semester. The students can register and enroll their names for the courses at the time of registering and enrolling for the regular CGPA courses.
- R.26.4 The student's performance will be assessed by the respective course coordinator of each Non-CGPA course and the result will be declared along with the results for the CGPA courses.
- R.26.5 The credit earnings for all the Non-CGPA courses, for a student will be given in his Grade card, as and when he/she completes successfully the particular courses.
- R.26.6 The minimum attendance requirement is 75% in all the Non-CGPA courses and as stipulated in the regulation **R.13.0**.

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

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

- (i) registered and successfully completed all the required core courses, elective courses and project;
- (ii) successfully acquired the minimum required credits (both CGPA and Non-CGPA) as specified in the curriculum corresponding to the branch of his study within the stipulated time;
- (iii) earned the specified credits in all the categories of courses;
- (iv) has no dues to the University, hostels, Libraries, NCC / NSS / NSO etc.
- (v) no disciplinary action is pending against him / her.

R.27.2 **Degree Classification:** The Degree of Bachelor of Technology shall be awarded in four divisions:

- 1) Honours
- 2) First Class with Distinction
- 3) First Class
- 4) Pass

The classification of Honours shall be determined by the Board of the Faculty at its full discretion by taking the overall performance of candidates, the best 197 to 199 credit-units as specified in the syllabi of respective programmes, and other relevant factors into consideration as below:

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- (i) The candidate should earn **additional 12 CGPA credits** during 3rd and 4th year of his/her study.
- (ii) The candidate **must score a minimum CGPA of 8.25 with all courses passed in the first attempt.**
- (iii) The candidate must secure **full Non CGPA credits in International certification.**

For first class with Distinction, the student must earn 177 to 179 CGPA credits and 20 Non- CGPA credits within four years from the time of admission and score a minimum **CGPA of 8.25 with all courses passed in first attempt.**

For first class, the student must earn 177 to 179 CGPA credits and 20 Non- CGPA credits within four years from the time of admission and score a **minimum CGPA of 6.75.**

Others who complete the 177 to 179 CGPA credits and 20 Non- CGPA credits within seven 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 Governors of the University.

R.28.0 Power to Modify

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