File Ref.No.220483/GA - IV - E1/2018/Admn

UNIVERSITY OF CALICUT

Abstract

General and Academic - Faculty of Engineering - Regulations of Bachelor of Technology (Engineering Degree Courses) with effect from 2024 Admissions -Approved by the Academic Council-Implemented - Orders issued.

G & A - IV - E

U.O.No. 1685/2024/Admn   Dated, Calicut University.P.O, 01.02.2024

*Read:-*1. Item No.2 of the Minutes of the meeting of the Board of Studies in Engineering (UG) held on 13.11.2023
2. Item No.1 of the Minutes of the Faculty of Engineering held on 23.11.2023
3. Item No II A of the minutes of the LXXXVI meeting of the Academic Council held on 20.12.2023.

ORDER

1. The Board of Studies in Engineering (UG) in its meeting held on 13.11.2023 approved the Regulations of Bachelor of Technology (Engineering Degree Courses) with effect from 2024 Admissions, vide paper read as (1) above.
2. The Faculty of Engineering held on 23.11.2023, vide paper read (2), approved the minutes of the meeting of the Board of Studies in Engineering (UG) held on 13.11.2023
3. The Academic Council held on 20.12.2023 resolved to approve the minutes of the Faculty of Engineering held on 23.11.2023 vide paper read as (3) above
4. The Vice Chancellor has accorded sanction to implement the above resolution of the Academic Council.
5. The Regulations of Bachelor of Technology (Engineering Degree Courses) is, therefore, implemented in the University with effect from 2024 Admissions.

Orders are issued accordingly.

(Regulations appended)

Ajayakumar T.K

Assistant Registrar

To

1.The Principal, CUIET,
2.Controller of Examinations
Copy to:PS to VC /PA to PVC/ PA to R / JCE VI/ EX and EG Section/GA I F/SF/DF/FC.

Forwarded / By Order

Section Officer

UNIVERSITY OF CALICUT

Course Regulations

of

B. Tech. – Engineering Degree Courses

(With effect from 2024 admissions)

1. Conditions for Admission

The condition to admission to B.Tech degree will be as per the prospectus of the Commissioner for Entrance Examinations (CEE), Kerala. Any amendments in qualifications for admission as notified by the Government of Kerala/ CEE from time to time will be applicable for the admission to B.Tech Degree Course. They shall also satisfy the conditions regarding age and physical fitness as prescribed in the prospectus of CEE.

2. Admission to Diploma Holders

Diploma and degree holders are eligible for admission to the 3rd semester (regular full-time batch) engineering degree course (B.Tech.) under the LATERAL ENTRY scheme as per the DTE prospectus released from time to time.

Note: Criteria for selection and method of admission to Merit/ Management/ NRI seats for Engineering degree courses/ admissions to the second year, under lateral entry shall be governed by the rules/regulations framed by the CEE or other competent authority appointed by the Government of Kerala, in consultation with the University and without contravening with the stipulation of the All India Council for Technical Education (AICTE).

3. Branches of Study

1. Computer Science and Engineering (CSE)*
2. Electrical and Electronics Engineering (EEE)
3. Electronics and Communication Engineering (ECE)
4. Electronics and Computer Science Engineering(ECS)*
5. Mechanical Engineering (ME)
6. Printing Technology (PT)

* Subject to the approval of Higher Education Department, Govt. of Kerala and AICTE, New Delhi

4. Structure of the B.Tech Program

The subjects of study, both theory and practical, shall be in accordance with the prescribed scheme and syllabi of each branch of study. The course for the B.Tech degree shall extend over a period of four academic years comprising eight semesters. Each academic year comprises two semesters. The maximum duration permissible for taking the B.Tech. degree course is fixed at 6 years. Medium of instruction, examination, and evaluation shall be English.

The semester classes will be started and completed as per the Academic Calendar published by the University of Calicut. However, classes of first semester shall be started as instructed by the concerned government department/agency. The minimum number of 72 working days should be allocated per semester.

The curriculum of all B.Tech courses shall have a total of 174 credits, excluding Minor and Honour courses (optional Value Added Courses). Out of the total 174 credits, academic credits equal to 173 and 1 pass/ fail credit for activity points earned from 1st semester to 8th semester B.Tech course by the student.

Every course of the B.Tech program is placed in one of the ten categories as listed below.

Sl No	Category	Code
1	Humanities and Social Sciences including Management courses	HSMC
2	Basic Science Courses	BSC
3	Engineering Science Courses	ESC
4	Professional Core Courses	PCC
5	Professional Elective Courses	PEC
6	Open Elective Course	OEC
7	Internship, Project Work, Seminar and Viva Voce	PROJ
8	Mandatory Non Credit Courses	MC
9	Laboratory and Mini Project	LAB
10	Mandatory Student Activities (Pass/ Fail)	MA

4.1 Electives

All students shall choose three professional electives and three open electives one each in sixth ,seventh, and eighth semesters from a set of minimum number of six elective subjects in each group prescribed in the syllabus and offered by the institution. The number of professional electives to be offered to the students in a class is based on the below table.

Total number of students in a branch in a semester	Minimum number of electives	Maximum number of electives
1-20	1	1
21-40	1	2
41-60	1	3

4.2 Value Added Courses

4.2.1 Minor in Engineering

All B. Tech students shall be eligible to register for Minor in Engineering for a course other than their parent branch. For Eg, A student studying for Mechanical Engineering can take a minor in any other branches like electronics, electrical, computer science which are available in the college.

The Minor in engineering registration shall be along with the registration of the 4th semester.

If a student fails in any course of the minor, he/she shall not be eligible to continue the B.Tech Minor. However, the additional credits and grades thus far earned by the student shall not be included in the grade card and also in calculating the CGPA.

The student shall earn additional 11 credits to be eligible for the award of B. Tech Degree with Minor. Out of the 11 Credits, 9 credits shall be earned by studying three subjects, during the specified period. The minimum number of class hours for these courses shall be 90 Hrs (30 Hrs/course). The remaining 2 credits are acquired through a Minor Project in the area of specialization. The staff in charge for the classes shall be appointed by the HoD of respective departments. The subjects are categorized into 2 buckets with their specializations. The students can opt for learning the subject through self-study mode also. But Head of the department offering the minor subject basket may assign a faculty who is specialized in a corresponding subject offered for minor to mentor the students who have opted for self-study. That faculty has to monitor the attendance, progress of learning and evaluations of that subject as per the syllabus. The student can choose any one bucket specialization for Minor registration. A chosen bucket specialization cannot be changed under any circumstances during the Minor study. The evaluation procedure of Minor Project will be similar to the evaluation of Main Project.

Curriculum and the syllabus of the 3 courses under two bucket speculation shall be approved by the Board of studies and the Academic Council. The assessment of the courses and earning of credits shall be the same as that of a theory subject. Undergraduate Degree with minor shall be issued by the University to the students who fulfill all the academic eligibility requirements for the B. Tech program and Minor in Engineering.

If he/ she accumulates credits by registering for the required course , and if on successful achievement of 11 credits from minor and 173 credit from respective B.Tech syllabus ,the students will earn a total credit of 184 at the end of the program then he /she is eligible to get the degree certificate as **'Bachelor of Technology in xxxxx with minor in yyyyy'.**

4.2.2 B.Tech (Honours)

All B. Tech students are eligible to register B.Tech (Honours). However, their mandatory CGPA at the end of eighth semester shall be 8.0 or higher to be eligible for the award of B. Tech (Honours).

The B. Tech (Honours) registration shall be along with the registration of the 4th semester. If a student fails in any course including the course chosen for B. Tech (Honours), he/she shall not be eligible to continue the B.Tech (Honours). However, the additional credits thus far earned by the student shall not be included in the grade card and also shall not be considered in calculating the CGPA.

The student shall earn additional 12 credits to be eligible for the award of B. Tech (Honours) Degree. The 12 credits shall be earned by undergoing a minimum three specified B. Tech (Honours) MOOC courses of the respective stream. Credits for the B. Tech (Honours) Elective courses are deemed to be earned only on getting at least a grade 'C' or better in the composite evaluation. A student shall not be permitted to select the normal elective courses of the respective B. Tech programs for attaining the credit requirements of B. Tech (Honours).

The 12 credits could be acquired through three MOOCs (NPTEL Courses only) of the respective streams recommended by the Board of studies and approved by the Academic Council. The assessment and certification of the MOOCs (NPTEL Courses Only) shall be as per the prescribed norms of the MOOCs. The candidate shall produce the certification issued by the MOOC (NPTEL only) in proof of credit attainment.The institutions offering B. Tech Honours programs shall not charge any additional fee from the students.

B. Tech (Honours) Degree shall be issued by the University to the students who fulfill all the academic eligibility requirements for the B. Tech and B. Tech (Honours) programs.

On successful achievement of 12 credits from the honours and 173 credits from their respective B Tech syllabus the students will earn a total of 185 credits at the end of the program which He/ She will be eligible to get the degree certificate as **'Bachelor of Technology in xxxx with Honours'**

4.3 Additional Requirements for the degree

In addition to the requirement prescribed for the award of B.Tech. degree, each student must earn a minimum 100/ 75 activity points throughout the course duration. A student joining the course from first semester onwards should earn a minimum of 100 activity points, whereas a minimum of 75 activity points are to be earned by Lateral entry students. A record of activity points and documents related to the work done is to be kept by the respective Staff Advisor. The Head of Institution should verify this compulsory requirement before permitting the student to register for the eighth semester. The details of extra and co-

curricular activities and corresponding activity points are shown in Annexure I.

For the students under the B Tech scheme, the Industrial training/ industrial visit may be done preferably during 6th semester but before the start of 7th semester. The duration for industrial training / industrial visit is 1 week. A minimum of 3 industries should be visited during the Industrial visit. Faculty members shall accompany the students for the industrial visits. Each student shall submit a detailed bound report(s) of the training/visit to the Head of Department within two weeks after the programme. These bound report(s), signed by the staff advisor or faculty in charge of tour/training/visit and by the head of department, shall also be brought during the final Viva-Voce. 10% of marks of Viva voce of 8th semester shall be based on he industrial training/industrial visits/paper published by the candidate at national/international level.

A student can undertake Internship between 4th and 6th semester. The report of internship has to be submitted at the end of 6th semester.

5. Assessment of Students

Assessment of students for each subject will be done by internal continuous assessment and semester end examinations. Internal assessment shall be conducted throughout the semester. It shall be based on internal examinations, assignments (such as homework, problem solving, group discussions, quiz, literature survey, seminar, term-project, software exercises, etc.) as decided by the faculty handling the course, and regularity in the class.

University lab exams and University workshop exams will be conducted with internal examiners. However, course viva will be conducted with 2 externals and an internal. The external may be faculty members from other colleges or experts from Industry (preferably with an experience of at least 5-6 years).

Supplementary and improvement candidates will have to appear for the end-semester examinations along with regular students. However, end-semester examinations of 7th& 8th semesters will be conducted once in every semester. Head of the institution should take necessary steps to prevent any malpractices in the end-semester examinations. If any such instances are detected, they should be reported to the University without any delay.

5.1 Assessment in Theory Subjects

The marks allotted for internal continuous assessment and end-semester university examinations shall be 50 marks and 100 marks respectively with a maximum of 150 marks for each theory subject.

The weightage to award internal continuous assessment marks should be as follows

Test papers (minimum two)   – 60%

Assignments (minimum two) such as home work, problem

solving, group discussions, quiz, Literature survey, seminar,

term-project,

Software exercises, etc.   –30%

Regularity in the class   –10%

It is permitted to have variation in this pattern of internal continuous assessment for subjects involving drawing, design, etc.

Full credit for regularity in the class can be given only if the candidate has secured minimum 90% attendance in the subject.

5.2 Assessment in Practical Subjects

For **first and second semesters** only internal continuous assessment is prescribed and maximum total marks allotted is 100. Apportioning being

Laboratory practical, record of works done and regular Viva Voce - 60%

Tests - 30%

Regularity in the lab - 10%

No semester end exam is prescribed.

For **third to eighth semesters** the marks allotted for internal continuous assessment and semester-end practical examinations shall be 50 marks and 100 marks respectively. Apportioning of internal marks shall be in the same manner as in the first two semesters.

University shall appoint two examiners for each practical subject in order to conduct semester-end examinations for practical subjects in 3-8 semesters. These examiners should necessarily have a minimum of one year teaching experience at engineering degree level.

Award of marks in the end-semester practical examinations (except Project) should be as follows:

Record of works done   –10%
Viva voce   –20%
Procedure and tabulation form,
Conducting experiment, results and inference   – 70%

No candidate will be permitted to attend the end-semester practical examinations unless he/she produces a certified record of the laboratory.

5.3 Pattern of Questions for End-Semester Examinations of Theory Subjects

The question papers of end-semester examinations of theory subjects shall be able to perform achievement testing of the students in an effective manner. The question paper shall be

prepared

     (a) covering all sections of the course syllabus

     (b) unambiguous and free from any defects/errors

     (c) emphasizing knowledge testing, problem solving & quantitative methods

     (d) containing adequate data/other information on the problems assigned

     (e) having clear and complete instructions to the candidates.

Duration of end-semester examinations will be 3 hours. The pattern of questions for theory subjects shall be as follows:

University Examination Pattern

PART A*: Analytical/problem solving SHORT questions* **10x 5 marks= 50 marks**
Candidates have to answer TEN questions out of FIFTEEN. There shall be THREE questions from each module with total FIFTEEN questions.

PART B*: Analytical/Problem solving DESCRIPTIVE questions* **5 x 10 marks= 50 marks**
Two questions from each module with a choice to answer one question.
Maximum Total Marks: 100

Weightage for categories such as problem solving, descriptive, drawing or programming questions shall be specified along with the syllabus of any subject, if necessary. Model question paper shall be prepared for each subject and made available. This same model question paper along with the syllabus must be sent to the question-paper setter every time for framing the questions. The model question paper shall be made available to students.

It is permitted to have an entirely different pattern of questions especially for subjects involving drawing, design, etc. However, the modified pattern to be followed shall be clearly - specified along with the syllabus of the particular subject. All question paper setters should supplement the scheme and key for the evaluation

5.4 Minimum for Pass

(a) A candidate who secures not less than 40% marks in a subject at the end-semester examinations **and** not less than 50% of the total marks assigned to the subject, shall be declared to have passed the examination in that subject.

OR

(b) A candidate who secures in the end-semester examination itself, 40% of the total marks assigned to a subject shall also be declared to have passed the examination in that subject.

The total marks assigned to a subject in the above calculations is the sum of maximum

marks assigned to the semester-end examination and maximum internal assessment marks of that subject. Candidates will be assigned grades according to the marks scored.

For Seminar, Project, and Viva Voce, the minimum for a pass shall be 50% of the total marks assigned to the respective examination.

If a candidate has passed all examinations of B.Tech. course (at the time of publication of results of eighth semester) except Viva-Voce in the eighth semester, a re- examination for the Viva-Voce should be conducted within two months after the publication of results. Each candidate should apply for this examination within one week after the publication of eighth semester results. If any candidate fails for seminar/project, the candidate has to re-register for the respective semester and can repeat seminar/project retaining the marks secured in other subjects in that semester.

5.5. Improvement

Candidates shall be allowed to improve the grade of any two theory subjects. This can be done only in the immediate subsequent chance. If the candidate gets more marks in the improvement chance, marks scored in the improvement chance will be considered for grading in the subject; otherwise marks scored in the first attempt will be retained. No candidate shall be permitted to improve the marks scored in practical examinations and internal continuous assessment.

6. Credit System

Each subject shall have a certain number of credits assigned to it depending upon the academic load and the nature and importance of the subject. The credit associated with each subject will be shown in the prescribed scheme and syllabi. Each course shall have an integer number of credits, which reflects its weightage.

6.1. Grading

The university shall award the letter grade to students based on the marks secured by them in both internal assessment and end-semester examinations taken together in the subjects registered. Each letter grade indicates a qualitative assessment of the student's performance and is associated with a specified number of grade points. The grading system along with the grade points for each grade, applicable to passed candidates is shown below. All passed candidates will be allotted grades S, A, B, C, D, or E according to the total marks scored by him/her.

If a candidate does not pass a subject as per the conditions given in Section 5.4, he/she will be assigned an Unsatisfactory grade 'U' irrespective of his/her total marks. If a student

does not pass a subject in two attempts, the maximum grade he/she can get is 'C' when he/she passes the subject in any subsequent examination, whatever be the marks scored by him/her.

A student is considered to have completed a subject successfully and earned the credits if he/she secures a letter grade other than 'U' in that course. Letter grade 'U' has zero grade point and the candidate has to write the examination again to improve the grade. A student's performance is measured by the number of credits that he/she has earned and by the cumulative grade point average (CGPA) maintained by him/her.

Percentage of total marks scored by the passed candidate, in a subject	Corresponding Grade allotted	Grade Points
90 and above	S	10
80 to below 90	A	9
70 to below 80	B	8
60 to below 70	C	7
50 to below 60	D	6
40 to below 50	E	5
Below 40	U	Failed

For converting CGPA to percentage of marks, the following formula can be used.

Percentage marks = (CGPA) x 10.

6.2. Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA)

a) A Semester Grade Point Average (SGPA) shall be computed for all the students for each semester, as follows:

$$SGPA = \sum_{i=1}^{n} \frac{C_i G_i}{C_i}$$

where, n is the number of subjects registered during the semester, C_i is the number of credits allocated to i^{th} subject as per the scheme, and G_i is the grade points corresponding to the grade awarded to the student for the subject.

b) A Cumulative Grade Point Average (CGPA) shall be computed for all the students at

the end of each semester by taking into consideration their performance in the present and the past semesters as follows:

$$CGPA = \sum_{i=1}^{m} \frac{C_i G_i}{C_i}$$

where, *m* is the number of courses registered up to that semester, C_i is the number of credits allotted to i^{th} subject as per the scheme, and G_i is the grade points corresponding to the grade awarded to the student for the subject.

An up-to-date assessment of overall performance of a student is obtained by calculating CGPA. CGPA is weighted average of the grade points obtained in all the subjects registered by the students since he entered the B.Tech course.

Both the SGPA and CGPA shall be rounded off to the second place of decimal and recorded as such for ease of presentation. Whenever the CGPAs are to be used for the purpose of determining the merit ranking in a group of students, only the rounded off values shall be made use of.

7. Break of Study

A student is permitted to avail break of study:

i) In case of an accident or serious illness needing prolonged hospitalization and rest.

ii) In case the student has a bright idea and would like to initiate a start-up venture or develop a product.

iii) In case of any personal reasons that need a break in study.

iv) For internship leading to employment.

For break of study due to illness, students shall submit all necessary medical reports together with the recommendation of the doctor treating him giving definite reasons for break of study and its duration. Before joining back, the student should submit the fitness certificate from the doctor who treated him.

Students who want to initiate a start-up venture or a product development, have to submit a project report, clearly indicating the purpose, action plan, technical details, funding details and future plans to the college Principal. The Principal shall evaluate the proposal by constituting an expert team consisting of a technocrat and a bank executive and take an appropriate decision based on the team's recommendation. The break of study for the start-up shall be permitted only after the 4th semester for a maximum duration of two semesters. This is however permitted only on successfully completing the courses listed out in the first two semesters.

Students who require a break in study due to personal reasons shall convince the Principal on

the genuine need for it by giving authentic evidence for the same.

Students who require a break in study for 'internship leading to employment' shall produce the offer letter obtained from the employer concerned. The Principal shall verify the authenticity of the offer and submit his recommendation to the University sufficiently in advance for approval. Only campus placed students with an annual compensation more than 6 lakhs are eligible to avail this facility.

Maternity leave can be granted as per the GO No. 33/2023/HEDN dated 19-01-2023 and UO 4158/2023/Admn dated 07-03-2023.

In the semester system followed by the University, break of study for an academic year is the preferred option than break of study for a semester.

The student can avail the break of study only with the prior approval of the University. The Principal shall upload the request of the student with all relevant documents to the University for the approval with his/her recommendations. Students shall have to rejoin on the first working day of the same semester on which he/she had started availing the break of study.

8. Attendance

A candidate shall be permitted to appear for the end-semester examinations only if he/she satisfies the following requirements:

a. He/she must secure not less than 75% attendance in the total number of working hours in each semester.

b. He/she must earn a progress certificate from the head of the institution stating that he/she has satisfactorily completed the course of study prescribed in the semester as required by these regulations.

c. His/her conduct must be satisfactory

It shall be open to the Vice Chancellor to grant condonation of shortage of attendance on the recommendation of the head of the institution in accordance with the following norms.

- The shortage shall not be more than 10%
- Shortage upto 20% shall be condoned once during the entire course provided such shortage is caused by continuous absence on genuine medical grounds.
- Shortage shall not be condoned more than twice during the entire course.

Candidate who is not eligible for condonation of shortage of attendance shall repeat the semester.

Students are eligible for duty leave if they perform certain kinds of duties like representing the college/University in sports and games, etc. on recommendation from faculty members

concerned, the Head of Institution shall sanction duty leave for the period of absence. The maximum limit of duty leave that can be granted to a student during a semester is 10% of the total number of instructional hours engaged in that semester.

Application for duty leave should be submitted to the Head of Institution preferably before the duty is performed or within ten working days after returning from duty. If the duty leave is sanctioned, the student shall meet the faculty members handling classes for him/her in that semester (within 2 weeks after returning from duty), and request them to mark duty leave granted in the record of attendance.

9. Registration for each Semester

Every candidate should register for all subjects of the semester-end examinations of each semester. A candidate who does not register will not be permitted to attend the semester-end examinations; he/she shall not be permitted to attend the next semester.

A candidate shall be eligible to register for any higher semester (i.e. 2nd semester onwards if he/she has satisfactorily completed the course of study and registered for the examinations of the first semester). A candidate shall be eligible to register for the fourth to eighth semester if he/she has satisfactorily completed the course of study and registered for the examination of the immediate previous semester. He/she should register for the semester at the start of the semester before the stipulated date. University will notify the starting and closing dates for each semester.

The students need to register for the next semester for continuing his/her studies. A student should have registered for the previous semester University examinations for the registration to the subsequent semester.

A Student who has temporarily discontinued his/her studies shall be permitted to rejoin the course if he/she has to discontinue the course based on medical grounds and he/she should produce the medical certificate issued by a Govt. medical officer specialized in the respective field while rejoining the course. Maternity leave as admissible by the University will be admissible to female students as per the norms of the University in vogue.

10. Academic Monitoring

10.1 Class Committee

Head of the Department shall take necessary steps to form a class committee for each class at the start of classes of each semester. This class committee shall be in existence for the semester concerned. The class committee shall consist of the Head of Department, Staff

Advisor of the class and faculty members engaging the class and three student representatives (one of them should be a girl). There should be at least two meetings of the class committee every semester; it shall be the responsibility of the Head of Department to convene these meetings. The decisions of the Class Committee shall be recorded in a register for further reference. Each class committee will communicate its recommendations to the Head of Institution.

The responsibilities of the class committee are:

(a)   to review periodically the progress and conduct of students in the class.

(b)   To discuss any problems concerning any subjects in the semester concerned.

(c)   to identify weaker students of the class and suggest remedial measures.

(d)   To review teaching effectiveness and coverage of syllabus.

(e)   discuss any other issue related to the students of the class.

10.2 Auditing

The Internal Quality Assurance Cell (IQAC) has provided valuable suggestions and guidelines for the upcoming academic year, focusing on comprehensive internal auditing processes. To enhance academic excellence, the IQAC proposes conducting department-specific and college-specific audits twice a semester. College-specific audits will encompass crucial aspects such as monitoring the placement status, ensuring compliance with the academic calendar, assessing the efficacy of the students' grievance cell, discipline committee actions, result analysis, and the progress of the internal quality assurance cell. Additionally, the college-specific audit will scrutinize the conduct of seminars, workshops, co-curricular activities, and the availability of faculty across all subjects, emphasizing women's cell activities. The department-wise auditing will involve a meticulous examination of class and departmental committee meetings, syllabus coverage, series tests, practical courses, remedial and honor courses, course diaries, project and seminar reports, student feedback, and the participation in MOOCs or other online courses. These suggestions aim to ensure a comprehensive evaluation of both departmental and college-wide operations, fostering continuous improvement and maintaining high academic standards.

11. Eligibility for the Degree

No candidate shall be eligible for the B.Tech. degree unless he has undergone the prescribed course of study for a period of not less than four academic years in an institution affiliated to the University of Calicut and has passed all subjects as per the prescribed syllabus **and has earned a minimum of 100 activity points to his credit**.

No candidate under lateral entry scheme shall be eligible for the B.Tech. degree unless he has undergone the prescribed course of study for a period of not less than three academic years in an institution affiliated to the University of Calicut and has passed all subjects of 3 rd to 8 th semesters as per the prescribed syllabus **and has earned a minimum of 75 activity points to his credit**.

12. Classification of Successful Candidates

a.　A candidate who qualifies for the degree, passing all the subjects of the eight semesters within 5 academic years after the commencement of his course of study and secures not less than a CGPA of 8.00 of all the semesters shall be declared to have passed the B.Tech. degree examination in **First Class with Distinction**.

b.　A candidate who qualifies for the degree, passing all the subjects of the eight semesters within 5 academic years after the commencement of his course of study and secures not less than a CGPA of 6.50 of all the semesters shall be declared to have passed the B.Tech. degree examination in **First Class**.

c.　All other candidates who qualify for the degree passing all the subjects of the eight semesters and not covered as per Sections 12 (a) and (b) shall be declared to have passed the B.Tech. degree examination in **second class.**

d.　Classification of the lateral entry student can be given based on the CGPA of 3rd to 8th semesters. The final mark-list of lateral entry students should indicate that (i) the student was admitted through lateral entry scheme (ii) classification is based on CGPA of 3rd to 8th semesters. He/she should have passed all the subjects of the 3rd to 8th semesters within 4 academic years after the commencement of the course of study.

e.　A Certificate of Excellence will be issued to top 5% of the number of students in eighth semester of each branch in the University, based on their aggregate CGPA of the B.Tech course. These students should have passed all the subjects of B.Tech course within 4 academic years after the commencement of their course of study: for lateral entry students this maximum period for passing the course shall be 3 years. Based on the aggregate CGPA, top 5% of the candidates in each branch shall be issued a certificate of excellence.

Notwithstanding all that has been stated above, the University has right to modify any of the above regulations from time to time as per University rules.

Activities that a student can engage in and the maximum quantum of points that can be earned from them are listed below.

Annexure-I

i)	NATIONAL LEVEL ACTIVITIES				
CODE	**NAME OF ACTIVITY**	**MAX ACTIVITY POINTS**	**POINTS DISTRIBUTION**	**ACTIVITY**	**MINIMUM DURATION**
NA1	NSO	70			2 SEM.
NA2	NCC	70			2 SEM.
NA3	NSS	70	• For ten days camp - **40 points** • Rest of the points will be allotted according to the decision of NSS Program Officer		SEM. (Consider at S2 and S4)
ii)	COLLEGE LEVEL ACTIVITIES				
CA1	Active Member /Office bearer of professional Societies (Students Chapter)	30/40	• Executive Member **- 40 points** • Core Coordinator - **30 points** • Sub Coordinator - **30 points** • Active Member - **10 points**	• IEEE • ASME • NASA • SAE etc. • College Association Chapters	4 SEM.
CA2	Elected office bearer of Student forums	30	• General Post – **30 points** • Department Secretary/ Year Representative - **25 points**	**General Post -** • Chairman • Vice Chairman • Secretary • Joint Secretary • UUC • Sports • Magazine Editor • Fine Arts Secretary	2 SEM.
CA3	Member/Captain of College Athletic/Games teams	20/30	• Captain - 2**0 points** • Member- **15 points** (Additional **10 points** awarded for	• Cricket • Football • Volleyball • Chess etc	2 SEM.

			national level)		
CA4	Executive Member of Students Clubs	20		• IEDC • TinkerHub • Hackclub • APT(E) etc	2 SEM.
CA5	Volunteer for important College functions	25		• Placement cell coordinators can be considered	2 SEM.
CA6	Participant for important College functions	20			2 SEM.
CA7	Committee member/Organizer of Tech Fest/Cultural Fest/Conference	20/30	Committee member/Organizer - **20 points** (**30 points** will be awarded for national level/international level programs)		2 SEM.
CA8	Placed within top three in Paper presentation/debate/ cultural competitions etc	30	• First Prize – **30 points** • Second Prize – **25 points** • Third Prize- **20 points**	Technical Fest can also be considered	
CA9	Placed within three in State/National level Sports/Games	30	• First Prize- **30 points** • Second Prize - **25 points** • Third Prize – **20 points**		
iii)	**ENTREPRENEURSHIP**				
EA1	Any Creative Project execution	40		Concerned dept. project coordinator should form a panel with external faculty from other dept and get approved	
EA2	Awards for Projects	60			

EA3	Initiation of Start-ups	60			
EA4	Attracted Venture Capital	80			
EA5	Filed a Patent	80	• Patent -Filed - **40 points** • Patent-Published - **50 points** • Patent-Granted- **80 points**		
EA6	Completed Prototype Development	80	• Prototype developed and tested - **60 points** • Completed Prototype Development - **80 points**	Concerned dept. project coordinator should form a panel with external faculty from other dept and get approved	
iv)	**SELF INITIATIVES**				
SA1	Attended College/University level conferences	25		• Seminar • Workshop can also be considered	4 SEM.
SA2	Attended National/International Conference	30		• Seminars • Workshop • STTP's conducted at IITs/NITs/ Universities can also be considered	4 SEM.
SA3	Published /got an award for a technical paper	30/40	• Publication - **30 points** • Awards **- 40 points**		2 SEM
SA4	Organizer of student technical Conference/Competition	30			

| SA5 | Foreign Language skills | 50 | | • TOEFL
• IELTS
 etc | |
| SA6 | Online courses taken & completed | 50 | | 10 hours per week or
one month course duration
can also
considered | |