CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

REGULATIONS FOR M.TECH DEGREE PROGRAMMES:

1.0 Eligibility for Admission

1.1 Admission criteria/ Policies will be decided by the Academic Council of the University, taking into consideration the guidelines issued by the competent authorities of Government of India viz Ministry of Human Resource Department, University Grants Commission, All India Council for Technical Education etc.

1.2 Candidates for admission to the M.Tech Degree Programme must have qualified The Bachelor of Technology Degree in the appropriate branch of Engineering of the university or a degree recognized as equivalent to it by the University and must satisfy any other criteria fixed by the Academic Council for the purpose of admission such as:

- Valid GATE score
- Percentage marks or cumulative Grade Point
- Average (CGPA) based on the performance at the B.Tech
- examination. Professional Experience
- Sponsorship to the Programme by outside agencies
- Performance at Entrance test.

1.3 Limited number of Non- Resident Indians (NRIs) and foreign nationals may also be admitted to the programme if their qualifications are recognized by the Association of Indian Universities or similar authorities of Government of India without or with Entrance test or Interview if their request for admission is routed through the Government of India.

1.4 Students of Indian origin, seeking admission to M. Tech Degree under NRI quota should have a valid GATE score / should qualify in the entrance examination, conducted by the University, if they have obtained their qualifying degree from a University outside India.

1.5 **Stipend will be provided by the University to the students seeking admission into M. Tech degree with valid GATE score. They have to work for the respective departments as per the instructions of the HOD during normal office hours. They have to submit an undertaking of not working elsewhere.**

1.6 Tuition and other fees payable by different categories of students will be at rates decided by the University from time to time.

2.0   Duration of the Programme

2.1   The duration of M.Tech Degree programme is two years, divided into 4 semesters of study.

2.2   The duration of each semester is 90 working days excluding the holidays and days for conduct of tests / examinations.

2.3   The minimum duration for the completion of the requirements of M.Tech degree programme is two academic years.

2.4   The maximum duration for the completion of the requirements of M.Tech degree programme is four academic years, starting from the date of initial registration to the 1st semester of the programme.

3.0   Structure of the Programme

3.1   Every M.Tech degree programme will have a curriculum consisting of
   - Core courses
   - Elective courses
   - Practical / sessional courses
   - Seminars
   - Thesis
   - Practical / Industrial training , if required as prescribed by the respective
     Board of studies and approval by the Academic council.

3.2   Each course is assigned a certain number of credits as follows:
   - 1 credit per one lecture hour per week.
   - 1 credit per one tutorial hour per week.
   - 1 credit per two practical / sessional hours per week
   - 4 credits for each seminar
   - 10 credits for minor project
   - 20 credits for major project.

3.3   The elective courses could be chosen from those offered by the other departments with the consent of the Head of the department to which the candidate belongs.

4.0   Thesis work

4.1   Thesis research work will be carried out by the candidate in the 3rd & 4th semesters of the M.Tech degree programme. The 3rd semester Project work will be titled as Pre-Thesis and that of the 4th semester as Final Thesis under supervision of a faculty member from within the respective department.

Joint guidance of two faculty members of the Institute, one from within the department and other from an allied department may also be permitted, depending on the topic chosen for the project with the recommendation of the Head of the two departments by the Dean of Post

Graduate Studies.

4.2   A candidate may be permitted by the head of the Department to work in an Industrial / Research organization during the 4th semester, where it is found desirable. In such case, the faculty guiding the student from the department is called as Internal Supervisor and the person from the collaborating organization is called the External Supervisor. Further all issues related to Patents should be settled between the university and the organization before the start of the Project work.

4.3   The last dates for the submission of Project Reports will be announced by the Dean of Post Graduate Studies of the University / Academic Section which normally as follows:
- 31st December for 3rd Semester Thesis work
- 30th May for 4th Semester Thesis work.

5.0   Movement to Higher Semester

5.1   A candidate will be permitted to proceed to the next higher semester if he / she

- Registered for all the courses of the lower semester.
- Attended at least 75% of the classes held in every course item of the lower semester
- Obtained a passing grade in at least 50% of the credits assigned for that semester.

Note: (i) A further concession of 10% in attendance may be granted by the Vice-Chancellor if the candidate is permitted to represent the University at a Seminar / workshop or participated in a co-curricular / extra-curricular activity held outside the University.

(ii) Candidates not satisfy the attendance requirements in any course item will not be permitted to appear at the end-semester examination in that item.

5.2   Candidates, who are permitted to discontinue the M.Tech programme for valid reasons, may rejoin a course at the commencement of the semester in which it is offered. Such candidates will be governed by rules, regulations, course structure and syllabi in force at the time of joining.

5.3   Candidates, who could not pass a course item have to appear at the end semester examination, which is scheduled in the next academic year.

5.4   Candidates , who are detained from appearing at the end-semester examination due to shortage of attendance , have to register for that course once again and appear at the subsequent examination to obtain a passing grade.

5.5   Candidates appearing at backlog examination (ie not for the first time) will be governed by the syllabus in force at that time.

5.6   Candidates, not appearing at the end semester theory examination /

seminar / Project evaluation, will be declared as failed in that course item.

6.0   Assessment Procedure (Tests and Examinations)

6.1   In each theory course , periodical assessment will be made through class tests as indicated in the Academic calendar.

- 3 class tests, each of 1 hour duration, conducted by Faculty member   30 marks
- Assignments / quiz / viva-voce   10 marks
                                                       Total   40 marks

6.2   End semester examination of 3 hours duration, conducted by the University, carries 60 marks.

6.3   There is no repeat tests if a candidate is absent for any of the class tests, for any reason what so ever.

6.4   Practical / Sessional courses shall be assessed on a continuing basis and marks awarded to a candidate at the end of the semester out of a total of 100 marks. The various components in the assessment and weightage (in %) shall be as follows:

- Extent of understanding of work assigned   20%
- Quality of work carried out   30%
- Presentation of work   30%
- Response to Questions / viva-voce   20%

6.5   Seminar will be assessed by a Departmental Seminar Evaluation Committee (DSEC) constituted by the Head of the Department, each candidate is required to present the work carried out in the form of a seminar where the committee and the other students of M.Tech programme will be present. The distribution of marks for Seminar will be as follows:

- Choice of topic and its relevance   20%
- Collection of data & its analysis   30%
- Quality of Report (written)   30%
- Presentation & viva-voce performance   20%

6.6 The evaluation of the Pre-Thesis in the 3rd Semester shall be done by the Departmental Thesis Evaluation Committee (DTEC), constituted by the Head of the department on the basis of the following:

- Relevance of Topic chosen   20%
- Data collection and analysis   30%
- Quality of Report   30%
- Presentation and viva-voce   20%

6.7 The evaluation of the Thesis in the 4th Semester shall be done as follows:

- Examiner from academic institution / industry   100%

Note : Where it is not possible to arrange an external examiner for Thesis work, the dean of post Graduate Studies may appoint a faculty member of the Department / allied Department , other than the members of the DTEC , to act as External Examination for the Thesis, in consultation with the Head of the department concerned.

7.0 Revaluation of answer scripts:

7.1 Photocopy of the answer scripts of the candidate at the end semester examination in any theory courses shall be made available to his / her if request is made to that effect after the declaration of the result in the prescribed format and payment of prescribed fee.

7.2 In case of any student feeling aggrieved over the evaluation, the concerned script may be got revalued by another examiner on payment of prescribed fee. In such cases of revaluation by the second examiner, the average of the two evaluations will be taken for announcing the final result.

8.0 Declaration of Result

8.1 In case of theory courses, a candidate must secure at least 40% marks in the of the total marks (100) assigned for end semester examination (60) and for internal evaluation (40) put together, to be declared as having secured pass in that course.

8.2 In case of Practical / sessional/ Seminar / Project item , a candidate must secure at least 50% marks assigned for the item to be declared to have secured pass in that item.

8.3 The grades awarded to the candidates in any course item (Theory / Practical /

Sessional / Thesis) as follows:-

Marks between (in %)	Letter grade	Remarks
90--- 100	O	Outstanding
80 -- 89	E	Excellent
70 -- 79	A	Good
60 -- 69	B	Fair
50 -- 59	C	Average
40 -- 49	D	Pass
Less than 40	F	Fail
Shortage of attendance	U	--
Malpractice	M	--

- Grade U indicates prevention from appearing at examination (due to shortage of attendance). Such candidates have to register for the courses again and attend classes.

- Grade M indicates that the candidate has indulged in an act of malpractice / unfair means at the examination and the candidate will be governed by the decision of the University in such cases.

- Candidates securing F grade have to reappear in that course item at the end-semester examination to be held subsequently along with the next batch of students.

8.5   Letter grade F will be replaced by the higher grade whenever the candidate secures a pass in that course item.

9.0 Grade Card

9.1   Grade cards will be issued to the candidates after the declaration of the result which will indicate the courses, along with Lecture- Tutorial – Practical (L-T-P) hours per week and credits assigned to each course item, the grade obtained by the candidate , the Semester Grade point Average (SGPA) and the cumulative Grade Point Average (CGPA) under the signature of the Dean of Post Graduate Studies / Registrar.

9.2   The SGPA & CGPA will be calculated as follows:

SGPA $= \dfrac{\sum_{i=1}^{N} C_i * GP_i}{\sum_{i=1}^{N} C_i}$ (Based on prescribed courses of a semester)

CGPA $= \dfrac{\sum_{i=1}^{N} C_i * GP_i}{\sum_{i=1}^{N} C_i}$ (Based on all courses up to the end

of a particular semester)

C_i = Credits assigned to a course item

GP_i =   Grade Point obtained by the candidate in a particular course.

N   =   Number of courses taken up to the end of a semester.

10.0 Supplementary Examination

10.1   Candidates, declared failed in a course item have to appear at the next regular examination in that course item with the same syllabus or revised syllabus , as the case may be.

10.2   Candidates have to register for EOD(Examination On Demand) after declaration of result as per the procedure laid down by the University.

11.0 Registration and Enrolment

11.1   Except for the first semester of any academic programme, registration for a semester will be done on dates stipulated by the University on the prescribed formats.

11.2   Candidates, failing in a course item are required to register for appear at the end- semester examination in that course item with the specified date.

11.3   Candidates, detained for shortage of attendance have to register for the course item at the beginning of the semester , complete all requirements as specified to appear at the end semester examination and obtain a passing grade.

11.4   Candidates who fail to register will not be permitted to appear at the end semester examination.

12.0 Award of Degree

12.1   A candidate becomes eligible for the award of the M.Tech Degree if he / she has:
- Successfully undergone the prescribed programme of study and earned a minimum passing grade in all the course items with the stipulated duration.
- No dues to the University / Library / Hostels etc. No disciplinary action
- is pending against him / her

12.2   There is no classification of candidates based on CGPA after the completion of Programme.

Note : 1. The university has the power to modify the curriculum, course structure, syllabi, rules and regulations as it deem necessary.

2. In case of any ambiguity in the interpretation of rules, the decision of the Vice-Chancellor is final and binding on all concerns.