Ref. No. DU/DR-A/Regulations-M.Tech (DUIET)/23/584   Date: 05.07.2023

NOTIFICATION

The 128th Meeting of the Academic Council, Dibrugarh University held on 30.06.2023 vide Resolution No. 19 has approved the Regulations for Two-Year Masters of Technology (M. Tech) Programme at Dibrugarh University Institute of Engineering and Technology (DUIET), Dibrugarh University, with effect from the academic session 2023-2024.

A copy of the Regulations is attached herewith.

Issued with due approval.

Deputy Registrar (Academic)
Dibrugarh University

Copy to:

1. The Hon'ble Vice-Chancellor, Dibrugarh University for favour of information.
2. The Deans, Dibrugarh University, for favour of information.
3. The Registrar i/c, Dibrugarh University for favour of information.
4. The Director, Dibrugarh University Institute of Engineering and Technology (DUIET), Dibrugarh University, for kind information and necessary action.
5. The Chairperson, Board of Studies in Computer Science and Engineering, Dibrugarh University Institute of Engineering and Technology (DUIET), Dibrugarh University, for kind information and necessary action.
6. The Chairperson, Board of Studies in Electronics and Communication Engineering, Dibrugarh University Institute of Engineering and Technology (DUIET), Dibrugarh University, for kind information and necessary action.
7. The Chairperson, Board of Studies in Mechanical Engineering, Dibrugarh University Institute of Engineering and Technology (DUIET), Dibrugarh University, for kind information and necessary action.

8. The Controller of Examinations, Dibrugarh University for kind information and necessary action.

9. The Programmer, Dibrugarh University for information and with a request to upload the notification and Regulations in the Dibrugarh University Website.

10. File.

Deputy Registrar (Academic)
Dibrugarh University

DIBRUGARH UNIVERSITY REGULATIONS FOR THE TWO YEAR MASTERS OF TECHNOLOGY (M.TECH) PROGRAMME AT DIBRUGARH UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY (DUIET), DIBRUGARH UNIVERSITY IN CHOICE BASED CREDIT SYSTEM (CBCS), 2023

[As approved by the 128th meeting of the Academic Council, Dibrugarh University held on 30.06.2023 vide Resolution No. 19]

DIBRUGARH UNIVERSITY
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Regulations for Two-Year Masters of Technology (M. Tech) Programme at DUIET, Dibrugarh University with effect from academic session 2023-24

1. This Regulation shall be known as DUIET, Dibrugarh University M. Tech. Regulation for Two Year Masters of Technology (M. Tech.) Programme in the Choice Based Credit System (CBCS), 2023.

2. This Programme of study shall lead to M. Tech. Degree in different branches of Engineering and Technology, viz., M.Tech. in Computer Science and Engineering, M.Tech. in Electronics and Communication Engineering, M.Tech. in Mechanical Engineering and M.Tech. in Petroleum Engineering with specialization in different areas of Engineering and Technology applicable from time to time.

3. **Definitions:**

   a) **Technical Institute /Campus:** The term 'Technical Institute/Campus' in the course of these regulation is used to mean the Dibrugarh University Institute of Engineering and Technology (or DUIET in short) for imparting the study in Engineering & Technology under the Dibrugarh University.

   b) **Branch:** The term 'Branch' of study of these regulations is used to mean a branch/ specialized programme of study with reference to the M. Tech. Programme.

   c) **Division:** The term 'Division' in a course of study of this regulation in a particular branch/department is as approved by the AICTE from time to time. The division in a programme of study (for example say Mechanical Engineering programme) in the M. Tech programme shall mean a unit comprising of certain number students as approved by the AICTE.

   d) **Govt.:** The term 'Govt.' in the course of these Regulations shall mean the Government of Assam.

   e) **AICTE:** In the course of these Regulations shall mean the All India Council for Technical Education, New Delhi.

   f) **Programme** The term 'Programme' is used to mean the whole learning experience or combination of courses in a particular field of study.

   g) **Course:** A Programme is divided into a number of courses, a course may be considered as a paper/subject in a conventional education system.

   h) **Academic Year:** An academic year means a period of twelve months consisting of two semesters usually from August-July next year, as per Dibrugarh University.

   i) **Semester:** The term 'Semester' is used to mean a half-yearly course/research or term of studies including examinations, vacations and semester breaks.

   j) **Semester Duration:** A semester normally spreads over a period of 17/18 weeks with a minimum of 30 hours of instruction spread over the week.

k) In-semester: The word 'In-semester' is used to refer to the continuous evaluations within the semester.

l) End-semester: The word 'End-semester' is used to refer to the terminal process of examinations and evaluations at the end of but within the Semester.

m) Credits: The term 'Credits' defines the quantum of contents/ syllabus prescribed for a course and determines the number of hours of instruction required per week. Thus, normally in each of the courses, credits will be assigned on the basis of number of contact hours in terms of lectures/ tutorials/ laboratory work and other forms of learning required to complete the course contents in a 17/18 week schedule:
   i) 1 Lecture per week = 1 Hour duration per week = 1 Credit
   ii) 1 Tutorials per week = 2 Hours duration per week = 1 Credit
   iii) 1 Practical per week = 2 Hours duration per week = 1 Credit

n) Course Instructor: The Director or a Professor/Associate Professor/Assistant Professor of the Institute shall be called a Course instructor. He/she shall perform the following functions.
   i) Preparing and offering a course with due approval from the University Authorities.
   ii) Preparing and/or teaching the core course along with other faculty members, wherever necessary
   iii) Maintaining attendance and performance sheets of all the students registered for the course(s) he/she offers.
   iv) Conducting of all In-semester and End-semester examinations including preparation of question papers, evaluation, scrutiny and finalization of results of the course(s) he/she offers

o) Student Advisor: The Institute CBCS Board shall appoint a 'Student Advisor' from amongst the faculty members for each group comprising a maximum of 15 students of the Department. A student advisor shall perform the following function.
   i) Counselling the students in choosing Elective, Optional Courses.
   ii) Offering all possible student support services relevant to the programmes of study.

p) CBCS Board for the Institute: The 'CBCS Board' for the Institute shall be constituted as below:
   i) Head of the Institute – Chairperson.
   ii) All the course teachers – Members.

q) Dibrugarh University CBCS Board : There shall be a Dibrugarh University CBCS Board and shall be constituted as below:
   i) Vice- Chancellor – Chairperson.
   ii) Registrar – Member.
   iii) Seven Chairpersons of the CBCS Board of the Institute/Departments/Centres to be nominated by the Vice-Chancellor for a period of two years by rotation.
   iv) Two members from the Examination Committee.
   v) Controller of Examinations – Member Secretary.

4. The duration of the M. Tech Programme shall consist of Four Semesters.

5. The Two-year M. Tech. Programme is a full-time degree programme.

6. The medium of instruction and of examination of the M. Tech. Programme shall be in English or any other regional language depends on the availability of the academic resources.

7. All other conditions will be as per NEP-2020.

8. **Admission Notification & Eligibility**

    a. Invitation of applications for admission into the different programme of studies leading to the M. Tech degree shall be issued by the competent authority of Dibrugarh University well in advance. A student seeking admission in M. Tech. in DUIET must apply and filled up the application form as per requirements of the Advertisement.

    b. There will be a eligibility criterion for students who shall be eligible for admission to the M. Tech programme as stated below:-

        A) **Eligibility Criterion I** *(candidates seeking admission to the First Semester M. Tech Programme shall have to fulfil the following norms)*

            i) Passed the B.E./ B. Tech. in the relevant branches of Engineering and Technology with minimum 60% marks or CGPA of 6.5/10 (Where conversion formula is not available) from an Institute or University recognized by AICTE.

            ii) Qualified GATE or any other exit examination related to admission in to PG programme in Engineering and Technology with a valid score. GATE qualified students will get scholarship as per AICTE/MoE norms.

            iii) The institute may conduct M. Tech. entrance examination if sufficient nos. of GATE qualified candidates are not available.

            iv) In case of M. Tech. admission to Computer Science and Engineering/ Electronics and Communication Engineering students with MCA/MSc. (Computer Science)/ MSc. (IT)/ MSc. Electronics with a minimum of 55% or as per UGC norms may apply.

            v) Eligibility criterion for reserved candidates will be as per Govt. notification issued, time to time.

9. The last date of admission: As per applicable AICTE academic calendar.

10. **Intake capacity:** As per AICTE approval.

11. **Reservation of Seats:** As per Govt. Notification issued from time to time.

12. **Course duration, structure and credit:** As per AICTE curriculum and geographical requirements of the region.

    12.1

    a) Each semester shall consist of 15/16 weeks of course work and each week will have a minimum 30 (thirty) contact hours.

    b) The M. Tech programme shall be divided into the following two broad groups.
        i) Odd semesters   : comprising of 1st and 3rd Semester
        ii) Even semesters   : comprising of 2nd and 4th Semester

    c) A course offered in the M. Tech programme shall be any one of the following type-
        i) Theory.
        ii) Practical.
        iii) Field Work/Project Work/ Dissertation.

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12.2

> Credit structures for various M. Tech programme will be 68-72 credit and all the students have to complete the minimum requirement of the department concerned to be eligible for M. Tech. in Engineering and Technology.

> Each student must clear all the courses with a minimum grade of 'C' and above.

13. DEGREE REQUIREMENTS:

The requirements for a student of M. Tech degree program are as follows:

a) **Marks and Grading:**

i)   The institute follows absolute grading system for all the courses.

ii) The total marks secured by the students in continuous evaluation and end semester will be considered for clearing the subject.

> Theory: Minimum percentage (%) of marks shall be 40% and above for clearing any subject.

> Practical/ Field Work/Project Work/ Dissertation: Minimum percentage (%) of marks shall be 50% and above for clearing any subject.

> Minimum SGPA requirement to promote to the higher semester should be 5.5 and above with clearing all the subjects.

iii) The following scale of grading system shall be applied to indicate the performances of students in terms of letter grades and grade points is as indicated below:

Marks obtained in a Course (End Semester Exam & Sessional component Cumulative)	Letter Grade	Grade Point, G	Remark
90-100	O	10	Outstanding
80-89	A+	9	Excellent
70-79	A	8	Very Good
60-69	B+	7	Good
50-59	B	6	Average
40-49	C	5	Below Average
<40	F	0	Fail

14. The maximum duration for a student for complying with the Degree requirement is 3 (three) academic years from the date of first registration for his/her first semester.

15. ACADEMIC CALENDAR:

➤ Academic Calendar will be as per AICTE for all courses and the notification issued by the Academic Branch of the University from time to time.

16. ATTENDANCE:

Following are the rules relating to attendance requirements:

16.1. Every student is expected to have 100% attendance in each course in which he/she has registered in the beginning of the semester. However, condonation for shortage of attendance up to 25% may be granted on On-duty, Medical or other exceptional cases. Such students must submit to the Director/Head of the Department, a medical/relevant certificate/document from the appropriate authority, within a week after they return to the Institute. Certificates submitted after one week shall not be entertained on any account.

16.2. Students not having the mandatory requirement of attendance in any course, shall not be permitted to appear for the end semester examination in that course and is awarded 'R' Grade in that course. Such student has to register for the course in which he / she has shortage of attendance, as and when the course is offered next.

16.3. a) If the period of absence is for a short duration (of not more than two weeks), application for leave shall have to be submitted to the Director, DUIET stating fully the reasons for the leave requested for along with supporting document (s). The Director, DUIET will grant such leave.

b) Absence for a period not exceeding two weeks in a semester due to sickness or any other unavoidable reason for which prior application could not be made, may be condoned by the Director provided he/she is satisfied with the explanation.

16.4. If the period of absence exceeds two weeks, a prior application for grant of leave will have to be submitted to the Director with the supporting documents. The decision to grant or condone such leave shall be taken by the Director of the institute, if the attendance is at least 75%.

16.5. However, as per the new innovation and startup policy released by the MoE in 2019, a student (3rd Semester onwards) involved in startup/innovative activities may be relaxed up to 60% in his/her percentage of attendance depending on the validity of the documents.

16.6. A resident student must take prior permission from the corresponding warden before proceeding on leave. Failing to do so will be construed as breach of discipline and will be dealt with as per provisions.

16.7. A student representing the Institute in approved extracurricular activities such as Sports, Games, Cultural meets, Seminar, Workshop, Conference and Interview arranged through Training & Placement Department, shall be considered as on-duty subject to a maximum of five days in a semester. Prior permission from competent authority is required for availing on-duty permission. However, this period of absence shall be counted as present for the purpose of computation of attendance letter grade only.

17. EXAMINATION:

(I) General Remarks

- i) There shall be one end-semester examination to be held towards the end of the semester.

- ii) The course instructor shall evaluate the answer scripts and submit the marks as well as letter grades to the Chairperson of the Institute CBCS Board.

- iii) The Institute CBCS Board shall prepare the results of each examination and notify the same before sending these to the Controller of Examinations for declaration of results and preparation of the Grade sheet.

- iv) For End-semester examination (i.e. viva voce/oral examination) for field work/project work an examination board shall be constituted with the project supervisor/course teacher, other teachers of the department and an external examiner appointed by the Controller of Examination on recommendation of the course teacher through the Chairperson of the Institute CBCS Board. The modalities and timing of the viva-voce examination shall be decided by the Institute CBCS Board.

- v) The Institute CBCS Board shall forward the results prepared for each semester examination for declaration of results by the Controller of Examinations.

- vi) Before declaring the results of the End-semester examinations, the Controller of Examinations shall convene a meeting of the University CBCS Board to scrutinize the results of both In- Semester and End-Semester examinations. The Board may seek clarification or call for answer scripts if it feels necessary from the course teacher(s) concerned in the matter of over-marking or under-marking during examination(s).

- vii) The Controller of Examinations shall declare the results of the Institute CBCS programmes and issue Grade-sheets.

- viii) The students will be encouraged for MOOCS courses (such as SWAYAM, NPTEL etc. as recognized by AICTE).

18. EXAMINATION SCHEDULE:

- a) The End-Semester Examination schedule shall be notified by the Institute CBCS Board with intimation to the Controller of Examinations. The date and schedule shall be notified at least twenty days in advance by the Institute.

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b) End-semester Practical examinations shall normally be held before the theory examinations.

c) A Compartmental examination for odd semester courses will be commenced within 15 days after the regular end-semester examination.

iv) The percentage of marks obtained by a candidate in a course shall be indicated in a letter grade. A student is considered to have completed a course successfully and earned the prescribed credits if he/she secures a letter grade other than F (Failed).

v) If a candidate secures 'F', he/she shall have to clear it in the compartmental examination.

vi) A student is declared as "M. Tech with Honours" if he/she has CGPA ≥ 8.5 and passed each semester from 1st to 4th in a single attempt.

vii) A candidate shall have to pay a prescribed fee to appear in the 'Compartmental/Betterment examinations' fixed by the University from time to time.

viii) The total performance within a semester shall be indicated by a Semester Grade Point Average (SPGA) as follows

$$SGPA = \frac{\Sigma\, C_i G_i}{\Sigma\, C_i}$$

Where, C_i = No. of credits for the ith course of the semester

G_i = Grade points obtained by a student in the ith course of the semester

Individual SGPA will be computed and communicated to the students on their performances in all the four semester courses.

➤ As performance of a student starting from 1st semester onwards only will be considered for the calculation of C.G.P.A, the following formulation for the calculation of C.G.P.A. will be used.

$$C.G.P.A = \sum_{n=1}^{n} \Sigma C_{ni} G_{ni} \quad \Big| \quad \sum_{n=1}^{n} \Sigma C_{ni}$$

Where, C_{ni} = No. of Credit of the ith course in the nth semester

G_{ni} = Grade point earned by a student in the ith course in the nth semester.

➤ CGPA will be computed on the basis of the formula mentioned above for each semester starting from Third semester onwards and will be communicated to the students along with the SGPA for that semester.

➤ The degree will be awarded on the basis of the Cumulative Grade Point Average at the end of the 4th semester examination as calculated below.

$$C.G.P.A = \sum_{n=1}^{4} \Sigma C_{ni} G_{ni} \quad \Big| \quad \sum_{n=1}^{4} \Sigma C$$

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➤ A scale of 10 will be used in the computation of SGPA or CGPA for finding the performance of a student in various semester courses.

➤ Both SGPA and CGPA will be rounded off to second place of decimal and recorded as such. Whenever these CGPA are to be used for the purpose of determining the merit ranking of a group of students, only the rounded off values will be used.

C.G.P.A at the end of 4th Semester	Description of performance	Class
9.00 – 10.00	Outstanding	1st Class
8.00 – 8.99	Excellent	
7.00 – 7.99	Very Good	
6.50 – 6.99	Good	
5.50 – 6.49	Average	2nd Class

21. STUDENT REDRESSAL:

i) A candidate may apply to the Institute CBCS Board for scrutiny/revision of the grades awarded in any of the courses within one week of the declaration of the results on payment of a prescribed fee as may be fixed by the University from time to time.

Provided that revision should be done before the document reaches the Controller of Examinations, DU.

ii) The Institute CBCS board may have the answer scripts of the aggrieved candidates re-examined by the course teacher, if the appeal of the candidate(s) is found to be genuine.

iii) An aggrieved candidate may be allowed to have a look on his/her answer script(s) by the Institute CBCS Board, if the appeal of the candidate(s) is found to be genuine.

22. FEES: The Admission, Course and other fees for M. Tech. Programme shall be notified as prescribed by the University from time to time.

23. Any other Matter

iv) For any matter not covered under these Regulations for the Institute CBCS Programmes, the existing University Rules, Ordinances and the Dibrugarh University Act, 1965 (as amended) shall be applicable.

v) Any difficulty which may arise in the course of operation of these Regulations relating to holding of the examinations shall be removed by the Examination Committee of the University.

vi) Provisions in the relevant existing Rules and Regulations of the University which are not in conformity with these Regulations shall stand repealed to the extent of their inconsistencies with these Regulation.