



UNIVERSITY OF JAMMU

(NAAC ACCREDITED A + GRADE UNIVERSITY)
Baba Sahib Ambedkar Road, Jammu-180006 (J&K)

NOTIFICATION (20/Oct/Adp/34)

It is hereby notified for the information of all concerned that the Vice-Chancellor, in anticipation of the approval of the Competent Bodies, has been pleased to authorize the adoption of Statutes governing the degree of **Post-Graduate Programme in Engineering: Master of Technology (M.Tech.)** under the **Credit Based System (CBS)** from the Academic Session **2020-21 onwards** as per the Model Curriculum of the AICTE as given in the **Annexure**.

This Supersedes Notification No.F.Acd/I/19/5643-5657 dated 16.09.2019.

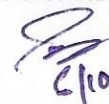
The Statutes of the course is available on the University Website: www.jammuuniversity.ac.in.

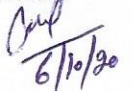

DEAN ACADEMIC AFFAIRS

No. F.Acd/III/20/ **2367-73**
Dated: **6/10/2020**

Copy for information & necessary action to:-

1. Dean Faculty of Engineering
2. Principal, GCET/MIET
3. C.A to the Controller of Examinations
4. Assistant Registrar (Confidential/Exam. Prof.)
5. Incharge University Website


C/10


6/10/20

STATUTES GOVERNING THE DEGREE OF POST-GRADUATE PROGRAMME IN ENGINEERING: MASTER OF TECHNOLOGY (CBS)

1. a. Title:

These regulations shall be called "**Regulations Governing the Credit Based System**" for Post Graduate Programme in Engineering "from the academic session 2020-21. In short, it will be referred to as "**JU(PG) CBS REGULATIONS IN ENGINEERING**".

b. Scope, Application and commencement

The regulations shall apply to all the Master of Technology programmes in relevant branch of Engineering and Technology hereinafter referred to as M.Tech, offered by the colleges Affiliated to the University of Jammu under the ambit of the Faculty of Engineering, from the academic session 2020-21 .The learning and evaluation is on semester based pattern. Provisions under these regulations hereby supersede all the existing regulations for the regular postgraduate programmes in Engineering offered by the affiliated colleges to the extent prescribed herein.

2. DURATION

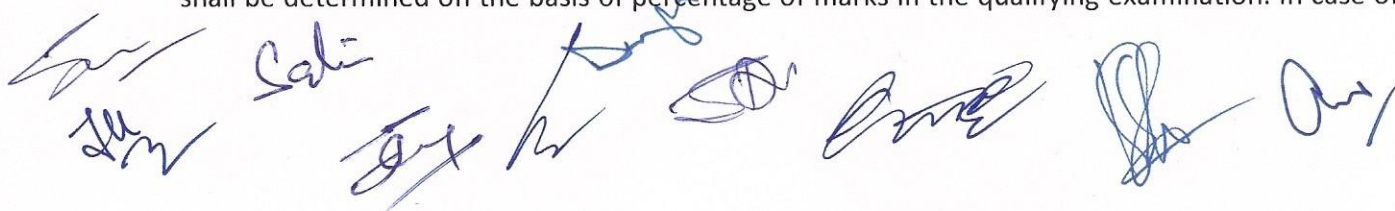
- 2.1 The course for the degree of M.Tech programme shall be spread over a period of two years comprising semesters I, II, III and IV. The maximum period of completion of the programme including dissertation work shall not exceed four academic years. The programme will consist of Core courses, Elective courses and Dissertation work.
- 2.2 In any case the candidate has to clear all the prescribed courses of M.Tech within a maximum period of four years to be calculated from the date he/she is admitted to the M. Tech program.

3. ELIGIBILITY CONDITIONS & ADMISSION CRITERIA

- 3.1 The candidate applying for admission to M.Tech programme must be either:
- i) B.E/B.Tech (in relevant branch of engineering and technology) with 50% of the marks or equivalent CGPA.
 - ii) MCA/M.Sc (Computer Science/IT/Electronics/Mathematics/Statistics/Physics) in case of M.Tech in Computer Science and Engineering, Electronics and Communication Engineering and allied domains, with 50% of the marks or equivalent CGPA.

All the above-mentioned degrees should be from Colleges/Universities recognized by UGC/AICTE. A relaxation of 5% in marks in the qualifying examination shall be given to the candidates belonging to the categories of Scheduled Caste (SC) and Scheduled Tribe (ST) as mentioned in Statute-5. This relaxation shall not be applicable to private affiliated colleges.

- 3.2 All the candidates seeking admission to M.Tech should have a valid GATE score. The GATE score of three years will be valid. The admission shall be strictly based on the score obtained in GATE.
- 3.3 In the absence of having adequate number of candidates with valid GATE score, the University of Jammu shall conduct its own written/online test for admission to the said programme. Admission shall be based strictly on the merit obtained in the entrance test.
- 3.4 In case two or more candidates score the same score in written entrance test, their inter-se-merit shall be determined on the basis of percentage of marks in the qualifying examination. In case of a

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tie even at the qualifying examination, the decision for admission shall be taken by the admission committee headed by Dean Engineering, University of Jammu on the basis of other academic credentials. The decision of the committee shall be final and binding on the candidate.

- 3.5 A candidate appearing in the final year of the qualifying examination in April/May of immediately preceding academic session can also apply for admission to **M.Tech** only if he/she furnishes documentary evidence in support of his/her having passed the qualifying examination in full on or before 31st of July, or such other date as may be approved by the Dean Academic Affairs, University of Jammu; failing which his/her candidature shall automatically stand cancelled and the seat thus becoming available shall be filled in accordance with the merit.
- 3.6 The candidate should be a Domicile of J&K UT.

4 NUMBER OF SEATS

Open Merit Seats:

- 4.1 Total number of seats, including the categories, in M.Tech in all the Engineering Institutions Affiliated to University of Jammu shall be as per approval from the All India Council for Technical Education AICTE (the statutory body governing technical education in the country), Government of UT of J&K and University of Jammu.
- 4.2 Implementation of reservation rules shall be as per, Reservation rules of UT of J&K.
- 4.3 Fifteen percent (15%) management quota for private colleges shall be applicable as per norms in vogue for other PG programs.
- 4.4 Fifteen percent (15%) seats shall be reserved in Govt. institutions for in-service employees who may be deputed by their respective employing organizations. The Institute may admit persons, who are in gainful employment as 'Sponsored Students' to any of the courses covered by this regulation subject to the conditions laid down in following paragraphs, such candidates are exempted from GATE examination.
- 4.5 An applicant seeking admission as a sponsored candidate must have obtained degree at the qualifying examination.
- 4.6 He/she must have secured at least 60% marks or equivalent CGPA in Bachelor's degree examination in Engineering and Technology.
- 4.7 He/she must have had a standing of at least 2 years' service, while applying.
- 4.8 He/she shall have to produce sponsorship and No Objection certificate (NOC) from the employer.
- 4.9 Intending sponsored candidates must submit their application on prescribed form for admission through their employers forwarded to the Dean, Faculty of Engineering, University of Jammu with suitable endorsements as required by the stipulated date. In the case of a sponsored candidate, the maximum age limit shall be as decided by their sponsoring employer.
- 4.10 In case the number of applicants to an institution under sponsored category are equal to or less than the available seats, the admission shall be made based on interview by the Admissions Committee constituted by the Dean, Faculty of Engineering, University of Jammu. Otherwise, all sponsored candidates shall be required to appear in the entrance test, conducted by the University of Jammu and managed by the Dean, Faculty of Engineering, University of Jammu. Admissions shall be based strictly on the merit obtained in the entrance test. At the time of joining the Institute, a sponsored

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candidate selected for admission shall be required to produce certificate in a prescribed form from the employers to the effect that the applicant

- i) Has been in service in that organization for at least a period of 2 years.
- ii) Has been officially released from duties for purpose of joining the course and his/her service will be retained with the employers. The selected sponsored candidate shall have to submit evidence of having passed the qualifying examinations with required percentage of marks or grade and other necessary documents as the Institute may require.

4.11 The total open merit and reserved category or management seats should not exceed the total sanctioned intake in any case.

Note: Reservation shall not be applicable to private colleges as per norms in vogue.

5. ENTRANCE TEST

The entrance test, if required, shall be designed and conducted by the University of Jammu. However, all the pre-conduct work of the Entrance Examination such as receipt of online application form, counseling of candidates, issuance of admit cards of Entrance Examination to the candidates, date of test, model test paper, syllabus and other details shall be notified and managed by the Dean, Faculty of Engineering.

6. ADMISSION PROCESS

- 6.1 The Dean, Faculty of Engineering, University of Jammu shall issue notifications published in at least one local newspaper calling for applications for admission to the M.Tech program, specifying the eligibility conditions etc.
- 6.2 Application form prescribed by the committee constituted by the Dean, Faculty of Engineering, complete in all respects, and accompanied with the attested photocopies of the certificates specified there in must reach the Dean, Faculty of Engineering within the dates notified for the purpose.
- 6.3 Every candidate seeking admissions to **M.Tech.** shall be required to pay application fee (Non-refundable) as may be determined by the University from time to time. Remittance of all fees shall be made through Bank Draft/digital payments.
- 6.4 An applicant, who seeks admission under reserved categories as mentioned in statute 5, must attach with Application Form an attested photocopy of the appropriate certificate issued by the competent authority and an affidavit (Annexure) from first class magistrate, failing which is candidature under the reserved category shall not be considered. The certificate of being beneficiary under the categories reserved is advised to be implemented as per the reservation rules of UT of J&K. It shall not be considered if it is not in conformity with the latest order, issued for the purpose, by the J&K UT. Applicants to private affiliated colleges are not required to submit category-related certificates.
- 6.5 The allotment of seats shall be made by the Admissions Committee constituted by the Dean, Faculty of Engineering, University of Jammu on the basis of valid GATE scores obtained by the applicant



candidates. Valid GATE scores of three years shall be used to resolve and determine inter se merit of candidates having same GATE score; following criterion will be used in the stated order of preference:

i) Candidates having valid GATE score in the year previous to the preceding year will be given preference over candidate having score in the preceding year/current year.

ii) Candidate having valid Gate score in the preceding year will be given preference over candidate having score of the current year.

ii) If years of GATE score are also same then the candidate with more experience will be given preference.

iii) In highly unlikely event of equality of their experience i.e. same duration of experience the candidate who was born earlier as compared to other candidates with tie will be given preference.

The committee may hold up to two rounds of counseling to admit GATE qualified candidates.

6.6 For the remaining seats, the allotment shall be made by the Admissions Committee constituted by the Dean, Faculty of Engineering, University of Jammu on the basis of the rank list published, based on score in the University of Jammu Entrance Test and availability of seats. The admission shall be on the basis of counseling and the committee shall hold up to two rounds of counseling and thereafter allot admission to candidates, to all available seats in various Government/Private Engineering degree colleges.

6.7 During counseling, the candidate is required to appear in person along with relevant documents.

6.8 In case some seats are still left vacant, the case shall be referred to Dean Academics, University of Jammu for filling the vacant seats.

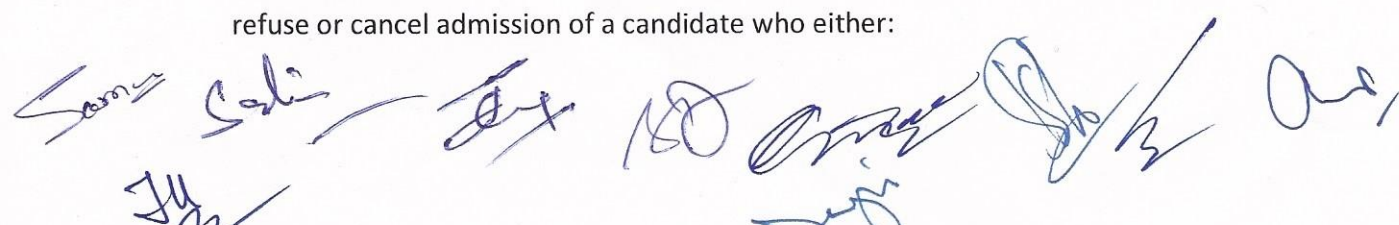
6.9 At the time of admission the candidate has to submit the provisional certificate in original or affidavit if the gap between the last qualifying examination and the date of admission is more than one year.

6.10 Names of candidates selected for admission shall be notified from time to time on the Notice Board or the specified website by the Dean, Faculty of Engineering. The selection may be cancelled, and no complaint shall be entertained in case of non-compliance of instruction(s) through such Admission Notices.

6.11 Admission fee and other charges payable by each student shall be such as approved by the competent authority/University of Jammu from time to time.

6.12 Notwithstanding anything contained above, a candidate, who has any grievance regarding application of Statutes governing admission, shall have the right to file an appeal in the prescribed Performa on payment of fee prescribed for this purpose latest by the 2nd of September each year or such other date as may be notified by the University of Jammu for the purpose. Such an appeal may be considered by the Appellate Committee based on its merit. It shall be obligatory for the appealing candidate to appear in person before the Appellate committee. The decision of the Appellate Committee shall be final and binding.

6.13 The Admission Committee constituted by the Dean, Faculty of Engineering shall have authority to refuse or cancel admission of a candidate who either:

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- i. fails to produce any requisite certificate in original within the time prescribed; or
- ii. suppresses/conceals any relevant information, provides information in his/her application which is found incorrect or produces a certificate which is not genuine; or
- iii. fails to pay the fees and other charges within the time prescribed.

6.14 No certificate/document/affidavit or its attested photocopy shall be accepted after the expiry of the date prescribed for submission of Application Forms for admission with late fee.

7. MINIMUM ATTENDANCE

- 7.1 Regular examination of each semester shall be open to a candidate who fulfils the statutory conditions and his/her name is recommended by the Principal of the concerned College to the Controller of Examinations along with the relevant certificates like medical, sports, etc.
- 7.2 Candidates having attendance <75% in maximum of two courses (Theory/ Practical) shall not be allowed to appear for final University examination in that particular course/ courses; if attendance <75% in more than two courses (Theory/ Practical) the candidate shall be detained for that particular year.

8. CONDONATION OF ATTENDANCE

8.1 The Principal of the College shall be competent to condone shortage on genuine grounds up to 15% of the total number of class attendance in each semester. Student whose attendance falls short by more than 15% or whose deficiency is not condoned by the Principal shall not be permitted to appear in the examination and shall have to enroll herself/himself as a regular student of the College in the subsequent year in the semester in which she/he has failed to fulfill the attendance requirement.

8.2 ATTENDANCE IN LIEU OF PARTICIPATION IN GAMES ETC.

Any candidate who participates in games, cultural and other co-curricular activities as defined below with the prior approval of the Principal concerned shall, for the purpose of condoning deficiency in attendance on account of such participation, be treated as present on all the working days during the days of his absence on such account for a period not exceeding 15 working days in a Semester Programme.

- a) State representation in International/All India Competitions organized by agencies which are recognized by the Board of Sports and Youth Welfare.
- b) Participation in the inter-university Competitions held under the auspices of a University or any other recognized Institution as a member of the University team.
- c) Participation in the Inter-College Competitions organized by the University as a member of the Team of Participating Institution.
- d) Participation in the N.C.C., N.S.S. and National Integration Samiti activities as a member of recognized Institutions.
- e) Participation in the Coaching Camps/Rehearsals prior to participation as a member of State or University Team in the National/All India/Inter-University Competitions.

- f) Participation in the Mountaineering/Hiking/Trekking/ Skiing/Rock-climbing or other such activities organized under the auspices of the State Government/University as a member of the Institution affiliated/recognized by the University.

9. SCHEME FOR EXAMINATIONS

- 9.1 The examination for various Semesters consisting of Written Theory papers (External) and Internals shall be held.
- 9.2 The medium of instructions as well as examination for the Degree shall be English.
- 9.3 There shall be no supplementary examinations for M.Tech. program. However, there shall be a provision of re-evaluation of answer scripts at the discretion of the concerned student.

10. PASS PERCENTAGE

- 10.1 The minimum marks required to pass in each course examination of any semester shall be 40% in theory examination (External) and 40 % in the Internal separately.
- 10.2 A candidate shall be declared to have passed in a particular course, if he/she has secured 40% marks in External theory and 40% marks in Internal exam separately. If a candidate has secured 40% marks in theory but has failed in internal exam shall be declared to have failed in internal only and if a candidate has secured 40% marks in internal exam but has failed in theory shall be declared to have failed in theory only. The pass marks secured by the candidates in theory and internal shall be carried forward. The failure candidates will be allowed to appear in the subsequent examination/s of that course as and when is/are held.
- 10.3 A candidate shall be declared to have failed in a laboratory course if he/she secures less than 40% in a particular laboratory course. Such a candidate can clear the backlog only when such a laboratory course examination will be available.
- 10.4 The evaluation of Internal marks in the theory papers of all the semesters shall be based on the following distribution:
- | | | |
|-----|---|-----|
| i) | Minor-1 | 60% |
| ii) | Assignment/Tutorial/Quiz/Case Study/Project | 40% |
- 10.5 The evaluation of Internal marks in the laboratory courses shall be based on the following distribution.
- | | | |
|----|-----------------------------------|-----|
| a) | Lab. Work (Continuous Assessment) | 70% |
| c) | Viva-voce / test | 30% |
- 10 6 Assessment of courses relating to Seminars shall be based on:
- | | | |
|----|--------------|-----|
| a) | Presentation | 30% |
| b) | Viva-Voce | 30% |
| c) | Report | 40% |
- 10.7 Assessment of course relating to Dissertation-I
- | | | |
|----|--------------------------|-----------------------------|
| a) | Performance or work done | 30% of total Internal marks |
| b) | Seminar | 25% of total Internal marks |
| c) | Viva | 25% of total Internal marks |
| d) | Report | 20% of total Internal marks |

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10.8 Assessment of courses relating to Dissertation-II

- | | |
|--|------------------------------|
| a) Presentation/demonstration or work done | :40% of total internal marks |
| b) Report | :40% of internal marks |
| c) Viva Voice | :20% of internal marks |

11. GRADING SCHEME

The successful candidates of the M.Tech Degree shall be classified in the following grades:

Academic Performance	Grade	Grade Points	Percentage of Marks Obtained	Division / Class
Outstanding	A+	10	$\geq 80\%$	First Class Outstanding
Excellent	A	9	$\geq 75\% - < 80\%$	First Class with Distinction
Very Good	B	8	$\geq 60\% - < 75\%$	First Class
Good	C	7	$\geq 50\% - < 60\%$	Second Class
Average	D	6	$\geq 40\% - < 50\%$	Pass Class
Fail	F	0	$0 - < 40\%$	Fail/Reappear
AB	O	Absent	Absent	

The Grading will follow Credit-Based System, the details of which are given below: While undertaking the course work, the following terms are defined:

'Course' means a semester.

'Credit' means weightage assigned to a course

'Grade' means a letter grade assigned to a student on a 10 point scale.

'Grade' point means points assigned to a letter grade.

Semester Grade Point Average' (SGPA) means weighted average of grades in a semester.

$$SGPA(S_i) = \sum (C_i \times G_i) / \sum C_i$$

Where C_i = Number of credits of the i th course

G_i = Grade point scored by the student in the i th course

$\sum (G_i \times C_i)$ = Total grade points obtained by a student in a semester, $\sum C_i$ = Total credits registered by the student in that semester.

$$CGPA = \sum (C_i \times S_i) / \sum C_i$$

Where S_i = SGPA of the i th semester

C_i = Total number of credits in that semester

SGPA and CGPA shall be calculated up to two decimal places, after rounding off the third decimal to the nearest second place integer decimal, hence 0.005 to be increased to 0.01.

Conversion from CGPA to Percentage:

The indicative percentage of marks equivalent to a Grade Point Average may be obtained by the following formula:

Approximate Equivalent Percentage of Marks = $CGPA \times 10$

Grade F denote the result as Failed in respective Course.

12. ISSUANCE OF GRADE CARD

The candidate will be supplied a marks certificate indicating the marks, grade and grade points secured in each Course/paper immediately after the declaration of result of each semester examination. The university under its seal shall issue to the student a marks certificate on completion of each semester, which shall contain the following information.

- Name of university
- Title of Post Graduate Programme
- Semester
- Name and Registration number of student
- Course Code, Title and credits of each course registered in the semester.
- Grade, Grade Point and CGPA/SGPA and Division /Class

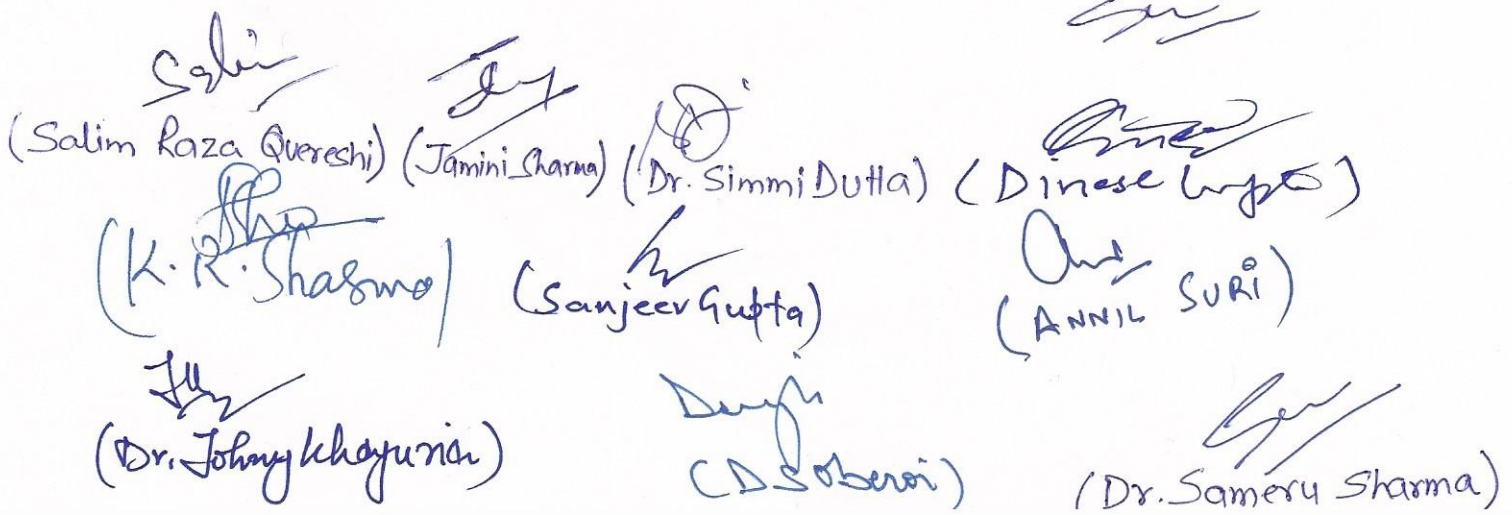
The **overall grade card** issued at the end of the final semester shall contain the details of all courses taken during the entire programme. Apart from CGPA of the programme, the SGPA grades obtained for all the courses shall be shown in the overall grade card.

13. PROMOTION TO NEXT SEMESTER AND AWARD OF DEGREE

- 13.1 Promotion from one semester to another semester i.e from 1st to 2nd semester, 2nd semester to 3rd semester and so on shall be automatic.
- 13.2 A candidate who has been enrolled for the M.Tech Course shall be admitted to the M.Tech Degree only when she/he has been declared successful in the examination of all the semesters in accordance with the above Statutes.
- 13.3 Transcript of marks for all the four semesters shall be given in a composite form on payment of such a fee as prescribed from time to time to a student who has completed the M.Tech Degree Course and has been declared successful in the Semester examination in conformity with above Statutes.
- 13.4 The rates of fee payable for admission to the examination of the 2 years M.Tech Course and rates of the remuneration for the various assignments shall be such as may be prescribed by the statutory fee fixation authority from time to time.

14. AUTHORITY TO INTERPRET STATUTES

- 14.1 All legal disputes related to the M. Tech programme shall be subject to the jurisdiction of Courts at Jammu
- 14.2 Interpretation, if any shall be determined by, the Vice-Chancellor, University of Jammu in consultation with the Dean, Faculty of Engineering and the decision taken shall be final and binding on all concerned.


(Salim Raza Qureshi) (Jamini Sharma) (Dr. Simmi Dutta) (Dinesh Gupta)
(K.R. Sharma) (Sanjeev Gupta) (ANNIL SURI)
(Dr. Johnny Khayuria) (Dr. Sameru Sharma)