

**JAWAHARLAL COLLEGE OF
ENGINEERING AND TECHNOLOGY**
(AUTONOMOUS)

**JAWAHAR GARDENS, LAKKIDI, MANGALAM-
PALAKKAD DT, KERALA - 679301**

**AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY,
THIRUVANANTHAPURAM**

REGULATIONS FOR M.TECH PROGRAMMES

YEAR 2024

INDEX

SL No:	Contents	Page No:
1	Preamble	3
2	Definitions and Nomenclature	3
3	Programmes Offered	5
4	Eligibility of Admission	5
5	Structure of M.Tech. Programme	6
6	Leave rules for M. Tech students	9
7	Course Registration and Enrolment	9
8	Academic Monitoring and Student Support.	10
9	Academic Auditing	13
10	Assessment	13
11	Break of Study	19
12	Attendance	20
13	Migration from other Universities	21
14	Grace Marks for Sports /Arts Competitions.	22
15	Grace Marks for Persons With Disability (PWD)	24
16	Transitory provision	24

1. Preamble		
24JCPGR1.1	The institute has the right to modify the regulations from time to time.	
24JCPGR1.2	In all matters related to the regulations, the decision of the institute and its interpretation given by the BOG shall be final and binding.	
2. Definitions and Nomenclature		
SI. No	Name	Definition/ Expansion
24JCPGR2.1	NEP2020	National Education Policy introduced in Year 2020
24JCPGR2.2	NAD	The concept of National Academic Depository (NAD) is born out of an initiative by MHRD to provide a 24X7 online depository to Academic institutions to store and publish their academic awards. The digital depository not only ensures easy access to and retrieval of an academic award but also validates and guarantees its authenticity and safe storage.
24JCPGR2.3	ABC	Academic Bank of Credit. ABC shall deposit credits awarded by registered institutions into students' accounts. The Academic bank credit(s) can only be shared from institutions, not directly from the student. Only credits submitted by an authorized institution will be accepted for storage and validation by the ABC.
24JCPGR2.4	UGC	University Grants Commission
24JCPGR2.5	AICTE	All India Council for Technical Education
24JCPGR2.6	APJAKTU	APJ Abdul Kalam Technological University
24JCPGR2.7	Academic Council	The Academic Council of the College
24JCPGR2.8	Board of Studies	Board of Studies of a Programme / Department
24JCPGR2.9	BOG	Board of Governors
24JCPGR2.10	Regulation	Rules or directives made and maintained by the Institute.
24JCPGR2.11	College/Institution	Jawaharlal College of Engineering and Technology, which provides undergraduate Programme for obtaining any Degree from the Parent University and which, in accordance with the rules and regulations

		of the University, is recognized as competent to provide for such Programmes of study and present students undergoing such programmes of study for the examination for the award of such Degree.
24JCPGR2.12	Controller of Examinations	The authority of the College is responsible for all activities related to the Examinations, publication of results, award of grade sheets etc.
24JCPGR2.13	CBCS	Choice-based Credit System. It is a flexible teaching-learning system that offers students the freedom to opt for different courses as per their interests.
24JCPGR2.14	Programme	An Educational Programme leading to the award of PG Degree Certificate.
24JCPGR2.15	Course	Usually referred as ‘papers’, is a component of a Programme. All courses need not carry the same weightage. The courses should define learning objectives and learning outcomes. A course may be designed to comprise of lectures/ tutorials/ laboratory work/ field work/ outreach activities/ project work/ vocational training/ viva-voce/ seminars/ term papers/ assignments/ presentations/ self-study etc. or a combination of some of these.
24JCPGR2.16	Course Committee	Whenever a course is offered by more than one faculty in different sections, a course committee is constituted including all the faculty members offering the course to ensure the uniform coverage and effective delivery of the course.
24JCPGR2.17	Credit	A unit by which the course work is assessed. It determines the number of hours of instructions required per week.
24JCPGR2.18	SGPA	Semester Grade Point Average. A measure of academic performance of student/s in a semester.
24JCPGR2.19	CGPA	Cumulative Grade Point Average. A measure of the overall performance of a student arrived at by considering all course credits that are needed for the PG Degree and their respective grade point.
24JCPGR2.20	Curriculum	Various components/courses studied in each Programme provide appropriate outcomes in the chosen branch of study.

24JCPGR2.21	Disciplinary Action Committee	College-level body that looks into the reported cases of malpractice in all examinations and appropriate course of action based on an inquiry report submitted to the Principal.
24JCPGR2.22	Grade - Letter Grade	An index of the performance of students in a said course. Grades are denoted by letters.
24JCPGR2.23	Grade Point	A numerical weightage is allotted to each letter grade on a 10-point scale.
24JCPGR2.24	Head of the Department	The authority is responsible for Department level academic and non-academic activities.
24JCPGR2.25	University	University to which the Institute is affiliated - APJ Abdul Kalam Technological University (APJAKTU), Thiruvananthapuram
24JCPGR2.26	Principal	The Head of the College
24JCPGR2.27	Programme Assessment Committee	Department level committee including HoD, Programme Coordinator, Senior faculty members of Department and stream coordinators. The objective of this committee is to monitor and assess the concerned Academic Programme of the Department
24JCPGR2.28	DAC	Department Advisory Committee

3. Programmes Offered

24JCPGR3.1	<ol style="list-style-type: none"> 1. M.Tech Electronics and Communication Engineering (EC)-Applied Electronics and Communication Systems 2. M.Tech Electronics and Communication Engineering (EC)-Communication Engineering and Signal Processing
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4. Eligibility of Admission

24JCPGR4.1	Admission policy, eligibility for admission and admission procedure shall be decided by the Institute and competent statutory authority for admissions from time to time.
24JCPGR4.2	If at any time after admission, it is found that a candidate has not fulfilled any of the requirements stipulated by the institute or the statutory body concerned, the Principal may revoke the admission of the candidate and report the matter to the BOG.
24JCPGR4.3	No student shall be permitted, under any circumstances, to change the branch/stream

	to which he/she is admitted by the competent authority for admission.
24JCPGR4.4	A student admitted to a particular institute shall continue studying in that institute till the completion of the course, unless he/she is permitted an inter-college transfer by the competent authority
5. Structure of M.Tech. Programme	
24JCPGR5.1	All the M. Tech programmes will be structured on a credit-based system following the semester pattern having continuous evaluation.
24JCPGR5.2	<p>The minimum duration of M. Tech programme will normally be two years consisting of four semesters. The maximum duration which a student can take to complete a programme shall be as follows:</p> <p>The Maximum duration of the M. Tech programme = $N+2$ years, where N stands for the minimum duration (in years) prescribed for completion of the programme. Under exceptional circumstances, a further extension of one more year may be granted subject to the approval of the University for the requisition made by the student. The request made by the student for duration extension shall be recommended by the Principal with valid justification. During the extended period (beyond maximum duration) the student shall be considered as a private candidate and not eligible for first class.</p>
24JCPGR5.3	<p>Every academic year shall have two semesters “1st July to 31st December (Odd semester)” and “1st January to 30th June (Even semester)”. The first and second semesters each have 75 instruction days, followed by an end semester examination. The third semesters have 60 instruction days followed by end semester examination. The fourth semester shall have 90 instruction days and the final examination is held in the fourth semesters. The total number of contact hours per week shall normally 29 hours including teaching assistance. The vacation of the faculty and staff shall be as per the Institute orders from time to time.</p>
24JCPGR5.4	<p>Every branch of the M.Tech programme shall have a curriculum and syllabi for the courses approved by the Academic Council. The syllabus for any course shall be modified/ updated by the Board of Studies with the approval of the Academic Council. Innovative elective courses can be included as and when required, on the recommendations of the respective Board of Studies and subject to the approval of the Academic Council. All revisions shall be based only on the recommendations of the Board of Studies concerned.</p>

24JCPGR5.5	The academic programmes of the institute follow the credit system. The general pattern is as below:																				
	1 Hr. Lecture (L) per week	1 credit																			
	1 Hr. Tutorial (T) per week	1 credit																			
	1 to 2 Hours Practical(P) per week	1 credit																			
	3 to 4 Hours Practical(P) per week	2 credit																			
	1.5 Hours Dissertation/Research Project per week	1 Credit																			
The workload of a faculty member shall be the actual number of hours engaged by the faculty member.																					
24JCPGR5.6	The curriculum of any branch of the M.Tech programme shall have a total of 68 academic credits, distributed in 11 categories as mentioned below.																				
	1. Discipline Core Courses																				
	2. Programme Core Courses																				
	3. Programme Elective Courses																				
	4. Interdisciplinary Elective Courses																				
	5. Audit Course																				
	6. MOOC																				
	7. Internship																				
	8. Research Methodology & IPR																				
	9. Mini Project																				
	10. Laboratory work																				
	11. Dissertation/Research work																				
24JCPGR5.7	Every course of M. Tech. Programme shall be placed in one of the eleven categories as listed in the table 1 below.																				
	Table 1: Distribution of credits among 11 categories																				
	<table border="1"> <thead> <tr> <th>Sl No.</th> <th>Category</th> <th>Code</th> <th>Breakup of Credits</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Discipline Core Courses</td> <td>DCC</td> <td>6</td> </tr> <tr> <td>2</td> <td>Programme Core Courses</td> <td>PCC</td> <td>9</td> </tr> <tr> <td>3</td> <td>Programme Elective courses</td> <td>PEC</td> <td>12</td> </tr> <tr> <td>4</td> <td>Interdisciplinary Elective Courses</td> <td>IEC</td> <td>3</td> </tr> </tbody> </table>		Sl No.	Category	Code	Breakup of Credits	1	Discipline Core Courses	DCC	6	2	Programme Core Courses	PCC	9	3	Programme Elective courses	PEC	12	4	Interdisciplinary Elective Courses	IEC
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	5	Audit Course	AUC	No Credit																																						
	6	MOOC	MOC	2																																						
	7	Internship Programme	INP	3																																						
	8	Research Methodology & IPR	RMI	2																																						
	9	Mini Project	MIP	2																																						
	10	Laboratory work	PCL	2																																						
	11	Dissertation/Research work	DRW	27																																						
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	III	Phase 1: Dissertation/Research Project: 1 no	1x11 = 11	16
	IV	Phase 2: Dissertation/Research Project: 1 no	1x16 = 16	16
	Total credits in all four semesters		68	
24JCPGR5.9	The medium of instruction shall be English. All examinations, project/seminar reports and presentations shall be in English.			

6. Leave Rules For M.Tech Students

24JCPGR6.1	M. Tech students shall be eligible for 30 days of leave in a year (15 days per semester). The intervening holidays will be treated as part of leave with the provision of suffixing and prefixing holidays. In no way the leave rules would relax the attendance requirements for the students.
24JCPGR6.2	M. Tech students shall apply to the HoD concerned for leave stating the specific reasons
24JCPGR6.3	M. Tech students shall be eligible to leave the station to visit other places preferably after completion of their course work or during vacations when there is no teaching work scheduled based on the recommendation by the supervisor(s) and approval by the HoD. The permission will be granted for library consultation, meeting experts, presentation of research papers/participation in conferences/short-term courses/symposiums etc., getting samples tested from other laboratories, using the lab facilities elsewhere, interaction with the External supervisor, and any other similar purpose. For these purposes, he/she shall be permitted for 30 days per year. The leave as mentioned in Clause 6.1 shall be in addition to this.

7. Course Registration and Enrolment

24JCPGR7.1	It is mandatory for students to register for the courses they intend to attend in a semester. For the first semester, every student has to enrol and register for the courses he/she intends to undergo on a specified date notified to the students by the concerned authority. Similarly, the students need to register for the second, third and fourth semesters.
24JCPGR7.2	The dates for registration and enrolment will be given in the academic calendar.

	<p>A student will become eligible for enrolment only if he/she has registered for all the courses listed in the curriculum of the previous semester. In addition, he/she has to clear all dues to the Institute up to the end of the previous semester and also he/she should not have any pending disciplinary proceedings. Besides, a student should have fulfilled the credit requirement as given in Table 3 for registering to higher semesters.</p> <p style="text-align: center;"><i>Table 3: Minimum Cumulative Credit Requirements for Registering to Higher Semesters</i></p> <table border="1" data-bbox="567 572 1393 1020"> <thead> <tr> <th>Semester</th><th>Allotted credits</th><th>Cumulative credits</th><th>Minimum credits required</th></tr> </thead> <tbody> <tr> <td>1</td><td>18</td><td>18</td><td>Not Applicable</td></tr> <tr> <td>2</td><td>18</td><td>36</td><td>Not Insisted</td></tr> <tr> <td>3</td><td>16</td><td>52</td><td>12 credits from the first Semester</td></tr> <tr> <td>4</td><td>16</td><td>68</td><td>Not Insisted</td></tr> </tbody> </table>	Semester	Allotted credits	Cumulative credits	Minimum credits required	1	18	18	Not Applicable	2	18	36	Not Insisted	3	16	52	12 credits from the first Semester	4	16	68	Not Insisted
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24JCPGR7.4	The maximum number of credits a student can register (course registration) in a semester is limited to 6 credits in excess of the total credits allotted in the curriculum for that semester.																				
24JCPGR7.5	In extraordinary circumstances like medical grounds, a student may be permitted to withdraw from a semester completely. Normally a student will be permitted to withdraw from the programme for a maximum continuous period of two semesters only.																				
8. Academic Monitoring and Student Support																					
24JCPGR8.1	Advisory System: There shall be one Senior Faculty member as Tutor (T) for a class of strength 18. The Principal shall assign a regular faculty member with minimum five years of experience as tutor in discussion with the Head of Department concerned.																				
24JCPGR8.2	The documents regarding all academic and non-academic matters of students under an advisory group shall be kept under the custody of the tutor.																				
24JCPGR8.3	All requests/applications from a student or parent to higher offices are to be forwarded/recommended by his/her Tutor. Students and parents shall first approach																				

	their Tutor for all kinds of advices, clarifications and permissions on academic matters. It is the official responsibility of the Institution to provide the required guidance, clarifications and advices to the students and parents strictly based on the prevailing academic regulations.
24JCPGR8.4	<p>The Tutor shall arrange separate or combined meetings with course faculty, Parents and students as and when required and discuss the academic progress of students under their advisory group. The Tutor shall also offer guidance and help to solve the issues on academic and non-academic matters including personal issues of the students in their advisory group. Advisory meetings shall preferably be convened:</p> <ol style="list-style-type: none"> 1. Immediately after the commencement of the semester. 2. Immediately after announcing the marks of the first internal evaluation test. <p>The internal marks, activity points earned during the semester and eligibility of attendance shall be uploaded in the Institute portal only after displaying the same in the department notice board at least for two working days. This is for the information and feedback of the students. Any concerns raised by the students regarding attendance and internal marks and activity points shall be looked into in the combined meetings of tutors, course faculty and the students concerned. The Principal/ HoD shall ensure the proper redressal of the concerns raised by the students regarding internal assessment and attendance. The Tutor shall be the custodian of the minutes and action taken reports of the advisory meetings.</p>
24JCPGR8.5	The Tutor shall get the minutes and action taken reports of advisory meetings approved by the Head of Department and the Principal.
24JCPGR8.6	The Tutor shall keep a hard copy of the consolidated statement of attendance, activity points and internal marks of the students in their advisory group. It shall be kept with the HoD without fail for all sorts of inspections.
24JCPGR8.7	Regular communication with the parents of students in respect of progress in academic matters and other general issues shall be the responsibility of the Tutor.
24JCPGR8.8	The Principal shall inform/forward all regulations, guide lines, communications, announcements etc. regarding student academic and other matters to the HoDs/ Tutors for information and timely action.
24JCPGR8.9	It shall be the official responsibility of the Principal to arrange necessary orientation programmes to the HoDs, and Tutors regarding student counselling, the prevailing

	Institute norms, regulations, guidelines and procedures on all academic and other Institute related matters.
24JCPGR8.10	<p>PG Coordinator: Each Department will have a Professor as the PG Coordinator.</p> <p>The responsibilities of the PG Coordinator are:</p> <ul style="list-style-type: none"> • To supervise and coordinate the activities of the PG courses. • To guide and advice the students in all academic matters. • To keep a record of the academic activities of students registered for all M Tech programmes in that department. • To maintain the attendance of the students on a daily basis (FN & AN).
24JCPGR8.11	<p>PG Programme Coordinators:</p> <p>In the departments where more than one M.Tech programmes are offered, one senior faculty assigned by HoD will act as the programme coordinator for coordinating the academic activities in the department for that PG programme. Programme coordinator will be having the role of Faculty Adviser (FA) of that programme. If the department has only one M.Tech programme, PG coordinator may serve as the PG programme coordinator.</p> <p>The responsibilities of the PG programme coordinators are:</p> <ul style="list-style-type: none"> • To supervise and coordinate the activities of the particular PG programme. • To guide and advice the students in all academic matters. • To keep a record of the academic and non-academic activities of students registered for the particular M Tech programme • Regular communication with the parents of students in respect of progress in academic and other general matters. • Keep custody of the minutes and action taken reports of the meetings conducted with the students.
24JCPGR8.12	<p>The CIA marks and attendance shall be uploaded in the Examination portal of the college by the respective faculty members after displaying the same in the department notice board as stipulated in the academic calendar. If any anomalies are raised by the students, it shall be rectified before uploading to the examination portal. A copy of the CIA marks uploaded to the examination portal shall be kept with HoD for scrutiny and reference.</p>

9. Academic Auditing	
24JCPG R9.1	<p>There shall be academic auditing at stipulated intervals. The academic auditing shall be conducted jointly by an Internal Quality Assurance Cell (IQAC) within the college and external academic auditor(s) appointed by the Institute with intimation to the University. The Internal Quality Assurance Cell (IQAC) shall oversee and monitor all the academic activities including all internal evaluations and examinations. This cell shall prepare academic audit statements in the formats prescribed for each semester at regular intervals. These reports shall be presented to the external academic auditor(s), who shall use it as reference for independent auditing. The external auditor(s) shall submit the final audit report to the Institute in the prescribed format.</p> <p>Academic auditing shall cover:-</p> <ol style="list-style-type: none">1. Course delivery and adherence to the course plan, syllabus coverage, quality of question papers used for internal examinations, internal evaluation, maintenance of laboratory experimental setups and equipment, practical assignments, mini projects and conduct of practical classes and their evaluation.2. Co-curricular and Extra-curricular activities available for students, the monitoring mechanism of activity points to be earned by the students.3. Academic functioning of the college encompassing students, faculty and college administration covering punctuality, attendance, discipline, academic environment, learning ecosystem, academic accountability, academic achievements and benchmarking.4. The audit shall also cover the quality criteria prescribed by NBA/NAAC.
10. Assessment	
24JCPGR10.1	All courses for M.Tech other than Lab courses, Mini-Project, MOOC and Dissertation/ research project Phase 1 shall be evaluated through continuous internal assessment (CIA) and end-semester examinations (ESE). The end-semester examinations will be conducted by the College. The Lab courses, Mini-Project, MOOC and Dissertation/ research project Phase 1 have only CIA. The Plagiarism level in the project report shall be less than 25%.

24JCPGR10.2	The maximum marks fixed for all lecture-based courses for continuous internal assessment as 40 and for the end semester examination as 60, unless otherwise specified in the curriculum. The assessment marks for all courses are listed in the curriculum.
24JCPGR10.3	Students registered for a course have to attend the course regularly, meet the attendance requirements and undergo the entire evaluation procedure for the completion of the course. Credits for the courses are deemed to be earned only on getting a P grade (Pass) and above in the composite evaluation.
24JCPGR10.4	Continuous Internal Assessment (CIA): The marks awarded for the continuous internal assessment shall be on the basis of the day-to-day work, micro project, course based project/task, seminar, data collection/interpretation, preparation of review articles, quizzes, periodic tests, etc. The faculty member (s) concerned shall carry out the continuous assessment for the course allotted to him/her. The CIA marks for individual courses shall be computed by giving weightage to the parameters as specified in the curriculum.
24JCPGR10.5	The CIA marks obtained by the student for all courses in a semester are to be published in the department notice board as stipulated in the academic calendar. Anomalies if any shall be rectified before sending the CIA marks to the CoE. A copy of the CIA marks shall be kept in the department by HoD for scrutiny and reference.
24JCPGR10.6	The end-semester examinations shall be held twice in a year: the April/May session (for even semesters) and the November/December session (for odd semesters). However, the end-semester examinations of the third/fourth semester shall be conducted in both the sessions.
24JCPGR10.7	The eligibility criteria for registering for the end-semester examination are attendance in the course and no pending disciplinary action. The minimum attendance for appearing for the end-semester examination for any course is 75%. Students who get scholarships from the Central or State Governments or any other agencies are expected to have 100 % attendance. However, under unavoidable circumstances, students are permitted to take leave as per clause number 6. Leave of absence for all these activities is limited to 25 % of the academic contact hours for the course. Students who do not

	meet these eligibility criteria are ineligible (identified by FE grade) to appear for the ESE.
24JCPGR10.8	On medical grounds the Principal can relax the minimum attendance requirement to 65%, to register for the end-semester examination. This is permitted for one or more courses registered in the semester. The CoE shall keep all records which led to the decision on attendance, for verification by the Academic Auditor.
24JCPGR10.9	The Principal of the Institution is authorized to grant attendance relaxation (duty leave) to the students for organizing extra/co-curricular activities, up to a maximum of 5%. Students should produce required documents countersigned by the HoD of Physical Education in the case of sports activities or the PG Programme coordinator in the case of other extra/co-curricular activities, as the case may be, within ten days of the event, for awarding the relaxation. The documents thus produced shall be forwarded to the Principal with due recommendation of the Head of the Department. Under any circumstances, the Principal shall not consider the documents, if the overall attendance of the candidate is less than 65%. Late applications received shall not be considered.
24JCPGR10.10	The students with courses having FE grade shall register for the courses again during the succeeding semesters in which the courses are offered. However, for the third semester students having FE grades can register for the courses in the next immediate chance, if offered by the college.
24JCPGR10.11	Students, who have completed a course but could not write the end-semester examination, shall be awarded 'AB' Grade, provided they meet other eligibility criteria. They shall register (exam registration) and appear for the end semester examination at the next available opportunity and earn credits without having to register (course registration) for the course again.
24JCPGR10.12	A student should obtain a minimum of 45% marks in the end semester examination and a minimum of 50 % of the total mark (CIA marks + ESE marks) (See Table 4) to be eligible for grading a course as Pass. The students who have not scored a minimum of 45% marks in the end semester examination and a minimum of 50 % of the total mark (CIA marks + ESE marks) will be considered to have failed in the course and an F grade will be awarded.

<i>Table 4 Weightage of the CIA and ESE for various categories of the courses</i>				
Sl. No	Category	CIA Weightage	ESE Weightage	Pass Minimum
1	Discipline Core Courses	40%	60%	45% for ESE and 50% for (CIA and ESE) put together
2	Programme Core Courses	40%	60%	45% for ESE and 50% for (CIA and ESE) put together
3	Programme Elective Courses	40%	60%	45% for ESE and 50% for (CIA and ESE) put together
4	Lab Courses/ Mini-project	100%	---	50% for CIA
5	MOOC	----	----	As stipulated by the agency conducting MOOC
6	Audit Course	40%	60%	45% for ESE and 50% for (CIA and ESE) put together
7	Internship	50%	50%	45% for ESE and 50% for (CIA and ESE) put together
8	Dissertation/ Research Project Phase 1	100%	---	50% for CIA
9	Dissertation/ Research Project Phase 2	50%	50%	45% for ESE and 50% for (CIA and ESE) put together

24JCPGR10.13	For the courses with no end-semester examination, Letter grade 'F' will be awarded if CIA mark is below 50%.																																							
24JCPGR10.14	Candidates who received F grade in a course shall have to appear the end semester examination at the next available opportunity and earn the credits. Grades awarded in the supplementary examination will be considered as the grades in these courses.																																							
24JCPGR10.15	A student shall be eligible for the award of M. Tech Degree of the University on satisfying the following requirements: <ul style="list-style-type: none"> • Fulfilled all the curriculum requirements within the maximum duration permitted for the programme • No pending disciplinary action. 																																							
24JCPGR10.16	Grading is based on the percentage of marks obtained by the student for a course. The semester grade card shall contain the grade for each registered course, the Semester Grade Point Average (SGPA) for the semester as well as Cumulative Grade Point Average (CGPA) up to that semester. Grades and Grade Points are assigned as per the norms given in Table 5: <p style="text-align: center;">Table 5: Norms for awarding Grades and Grade Points</p> <table border="1"> <thead> <tr> <th>Grades</th> <th>Grade Point</th> <th>% of Total Marks obtained in the course</th> </tr> </thead> <tbody> <tr> <td>S</td> <td>10</td> <td>90% and above</td> </tr> <tr> <td>A+</td> <td>9</td> <td>85% and above but less than 90%</td> </tr> <tr> <td>A</td> <td>8.5</td> <td>80% and above but less than 85%</td> </tr> <tr> <td>B+</td> <td>8</td> <td>75% and above but less than 80%</td> </tr> <tr> <td>B</td> <td>7.5</td> <td>70% and above but less than 75%</td> </tr> <tr> <td>C+</td> <td>7</td> <td>65% and above but less than 70%</td> </tr> <tr> <td>C</td> <td>6.5</td> <td>60% and above but less than 65%</td> </tr> <tr> <td>D</td> <td>6</td> <td>55% and above but less than 60%</td> </tr> <tr> <td>P (Pass)</td> <td>5.5</td> <td>50% and above but less than 55%</td> </tr> <tr> <td>F(Fail)</td> <td>0</td> <td>Below 50% (CIA + ESE) or Below 45% for ESE</td> </tr> <tr> <td>FE</td> <td>0</td> <td>Failed due to lack of eligibility criteria</td> </tr> <tr> <td>AB</td> <td>0</td> <td>Could not appear for the end semester Examination but fulfils the eligibility criteria.</td> </tr> </tbody> </table>	Grades	Grade Point	% of Total Marks obtained in the course	S	10	90% and above	A+	9	85% and above but less than 90%	A	8.5	80% and above but less than 85%	B+	8	75% and above but less than 80%	B	7.5	70% and above but less than 75%	C+	7	65% and above but less than 70%	C	6.5	60% and above but less than 65%	D	6	55% and above but less than 60%	P (Pass)	5.5	50% and above but less than 55%	F(Fail)	0	Below 50% (CIA + ESE) or Below 45% for ESE	FE	0	Failed due to lack of eligibility criteria	AB	0	Could not appear for the end semester Examination but fulfils the eligibility criteria.
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24JCPGR10.17	<p>Calculation of SGPA/CGPA</p> <p>Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) are calculated as follows:</p> $\text{SGPA} = \Sigma(C_i \times G_i) / \Sigma C_i ,$ <p>where 'C_i' is the credit assigned for a course i and 'G_i' is the grade point for that course. Summation is done for all courses registered by the student in the semester. The failed and incomplete courses shall also be considered in the calculation.</p> $\text{CGPA} = \Sigma(C_i \times G_i) / \Sigma C_i ,$ <p>where 'C_i' is the credit assigned for a course i and 'G_i' is the grade point for that course. Summation is done for all courses specified in the curriculum up to that semester for which the 'CGPA' is needed. Here the failed courses shall also be accounted. CGPA for the M. Tech programme is arrived at by considering all course credits that are needed for the degree and their respective grade points.</p> <p>Note: Students who have successfully completed MOOC Course, G_i will be taken as 10 for both SGPA and CGPA calculation.</p>
24JCPGR10.18	<p>Classification of M.Tech Degree</p> <p>First Class with Distinction: CGPA 8.0 and above</p> <p>First Class: CGPA 6.0 and above</p> <p>Equivalent percentage marks: As per the University norms</p>
24JCPGR10.19	<p>Grade cards shall be made available to the student in every semester by the college and provide consolidated grade card on completion of the course. On earning the required credits for the degree, the University will issue the Degree Certificate and Consolidated Grade Card.</p>
24JCPGR10.20	<p>Valuation: Answer papers of theory examinations, for which end semester examinations are conducted by CoE, shall be valued by two examiners. If the difference between the marks awarded by the two Examiners is not more than 15 per cent of the maximum marks for ESE for the course, the marks awarded to the candidate shall be the average of two evaluations. If the difference in marks obtained in two valuations exceeds 15% of the maximum marks for the course, the answer script will be evaluated by a third examiner. The average of the closest two marks shall be considered as the marks secured by the candidate. However, if one of the three</p>

	marks falls exactly midway between the other two, then the highest two marks shall be taken for averaging.
24JCPGR10.21	Review: Option for revaluation is not available to the M.Tech programme. However, answer scripts of the courses for which examinations have been conducted by the CoE can be reviewed as per request by the student. Outcome of the review shall be for improvement of marks and improvement of grade. Detailed procedure is given in the examination manual.
24JCPGR10.22	<p>Malpractices in Examinations: Any act of violation of the directions given by the college shall not be attempt by the students. Any acts of indiscipline, misbehaviour, unfair practice in examinations from the part of students, shall be dealt with promptly as per the prescribed norms in the examination manual. Malpractices in examinations observed or reported by faculty member, invigilator, any official appointed by the College or anyone else shall be reported to CoE.</p> <p>Note: Notwithstanding the above regulations related to examinations, assessments and malpractices, the details provided in the Examination Manual shall be taken as reference and final, unless repugnant to the context and meaning.</p>

11. Break of Study

24JCPGR11.1	<p>Students are permitted to avail break of study for a maximum duration of two semesters. The student can avail the break of study only with the prior approval of the University. The Principal, along with his/her recommendations, shall upload the request of the student with all relevant documents to the University portal for approval. Students shall have to re-join at the commencement of the incomplete semester where he/she had started availing the break of study.</p> <p>Students are permitted to avail break of study:</p> <ul style="list-style-type: none"> • In case of accident or serious illness needing prolonged hospitalization and rest. • In case of any personal reasons that need a break in study. • For taking up an employment
24JCPGR11.2	For break of study due to illness, student shall submit all necessary medical reports together with the recommendation of the doctor treating him giving definite reasons for the break of study and its duration. Before joining back, the student should submit the fitness certificate from the doctor who treated him.

24JCPGR11.3	Students who require a break in study due to personal reasons shall get approval from the Principal on the genuineness of the need for it by providing authentic evidences for the same.
24JCPGR11.4	Students who require break of study for 'taking up a job' 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.

12. Attendance

24JCPGR12.1	<p>Students are expected to attain 100% attendance for all courses. However, under unavoidable circumstances they are permitted to avail leave. Total leave of absence shall not exceed 25% of the academic contact hours for a course and 75% attendance is mandatory for registering to the end semester examination.</p> <p>On medical ground the college Principal can relax the minimum attendance requirement to 65%, to write the end semester examination. This is permitted for one or more courses registered in the semester. Principal shall keep all records which led to his decision on attendance, for verification by the Academic Auditors. This provision is applicable only to any two semesters during the entire programme period.</p> <p>In case of prolonged illness, break of study is permitted as per 24JCPGR11.1.</p>
24JCPGR12.2	<p>The Principal is authorised to grant attendance relaxation (duty leave) to the students in officially sponsored national level competitions/championships/ tournaments when called upon to do so, up to a maximum of 5%. Such students should produce the participation certificate countersigned by the Sports Coordinator/ the Director of Physical Education in the case of sports activities and the Tutor in the case of other extracurricular activities: within ten days of the event. The participation certificate thus produced shall be forwarded to the Principal with the due recommendation of the respective Head of the Department. Under any circumstances, the Principal shall not consider the certificate if the overall attendance of the candidate is less than 65%. Late applications received shall not be considered on any account. The student shall get official prior permission from the Institute for representing the Institute.</p>

24JCPGR12.3	The Principal is authorised to grant attendance relaxation (duty leave) to the students for organising extra/ co-curricular activities, up to a maximum of 5%. Such students should produce the required documents countersigned by the Sports Coordinator/ the Director of Physical Education in the case of sports activities and the Tutor in the case of other extra/co-curricular activities: within ten days of the events. The documents thus produced shall be forwarded to the Principal with the due recommendation of the respective Head of the Department. Under any circumstances, the Principal shall not consider the documents, if the overall attendance of the candidate is less than 65%. Late applications received shall not be considered on any account.
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13. Migration from other Universities

24JCPGR13.1	Migration to the University from other Universities shall be permitted only if the other University is approved by the UGC/AICTE/AIU and subject to the recommendation by the respective BoS.
24JCPGR13.2	The student shall be permitted to migrate only if he/she fulfils the University eligibility criteria for admission to the course applied for migration. The student shall be permitted to migrate only if he/she has passed all the previous semester(s) in the parent University.
24JCPGR13.3	The migration shall be permitted only up to the third semester of the M. Tech programme.
24JCPGR13.4	The admission shall be offered on migration basis through lateral transfer of credits.
24JCPGR13.5	The students shall be allowed to migrate to the University subject to satisfying the rules and regulations of the University as regards to the programme such as maximum number of backlogs, grade points, minimum credit requirement for promotion to higher semesters, etc.
24JCPGR13.6	The student shall be offered admission in the college subject to availability of seats. The student shall produce no objection certificate from the concerned college/institute in this regard.
24JCPGR13.7	The students offered admission shall register for the transitory/additional courses of the previous semesters to satisfy the programme requirement as recommended by the concerned Board of Studies.

24JCPGR13.8	The students offered admission shall produce a migration certificate from the parent University at the time of admission.
24JCPGR13.9	The student offered admission shall produce a character and conduct certificate from the parent institute/University at the time of admission.
24JCPGR13.10	Regulations, Scheme and Syllabus of the respective specialization attested by the Registrar of the parent University or equivalent authority shall be submitted to the University along with the application seeking migration to the University.
24JCPGR13.11	Attested copies of all certificates and mark lists from 10th onwards shall be submitted along with the application for migration (Original certificates and mark lists shall be produced as and when demanded by the University).
24JCPGR13.12	The migrated students shall follow the rules and regulations of the University.

14. Grace Marks for Sports /Arts Competitions.

24JCPGR14.1	Only bonafide, regular candidates are eligible for the award of Grace Marks.
24JCPGR14.2	The criterion for the award of Grace Marks is representing the Institute in officially-sponsored national-level competitions/championships/ tournaments when called upon to do so. The student shall get official prior permission from the Institute for representing the Institute.
24JCPGR14.3	The maximum grace marks that can be awarded to a candidate in a particular semester for all activities put together shall be 5% of the aggregate maximum End Semester Examination marks of all theory courses for which the Institute conducts End Semester Examinations.
24JCPGR14.4	The maximum grace marks that can be awarded to a candidate in a particular semester for all events participated during that semester shall be 5% of the aggregate maximum of the End Semester Examination marks of all theory courses for which the Institute conducts End Semester Examinations.
24JCPGR14.5	The Grace Marks shall not be awarded to a student for Practical/ Lab/ Viva Voce/internal assessment/ Seminar etc even though she/he fails for the same.

24JCPGR14.6	Eligible Grace Marks shall be distributed equally on all theory papers/courses of an examination. However, redistribution of Grace Marks shall be allowed only in the case of those courses of an examination for which the candidate has passed. Redistribution is possible from passed courses to failed courses only. Re-distribution of Grace Marks is not permissible from failed courses to other courses for a pass.
24JCPGR14.7	The Grace Marks shall be awarded for all theory papers/courses/subjects in a semester.
24JCPGR14.8	Re- distribution shall be done only for enabling a candidate to obtain the minimum marks required for a pass.
24JCPGR14.9	Grace Marks shall not be redistributed from one semester to another semester.
24JCPGR14.10	If the candidate does not secure the minimum marks required for a pass even after effecting re-distribution, eligible moderation fixed by the respective board if any, shall be awarded to that candidate in addition to the Grace Marks for a pass.
24JCPGR14.11	Eligible Grace Marks shall be awarded for the regular examination of the performing semester only. Grace Marks shall not be awarded for supplementary examinations.
24JCPGR14.12	The performing semester shall be considered from 1 st July to 31 st December (Odd semester) and 1 st January to 30 th June (Even Semester).
24JCPGR14.13	Grace Marks shall be awarded on the basis of performance in the respective semester.
24JCPGR14.14	The request for Grace Marks shall be submitted to the Principal along with all relevant documents, within the time limit prescribed. The request for Grace Marks received after the time limit shall not be entertained on any account.
24JCPGR14.15	Only a single highest achievement during the period of a semester shall be considered for awarding the grace marks.

15. Grace Marks for Persons With Disability (PWD)	
24JCPGR15.1	A person with disability means a person suffering from not less than 40% of anydisability as certified by the District Medical Board. To be eligible for the grace marks, the certificate of disability specifying the percentage of disability shall be producedbefore the Principal at the time of admission.
24JCPGR15.2	The Grace Marks that can be awarded for PWD candidates shall be 25% of the marks scored by the candidate in each course at the time of finalization of the results.
24JCPGR15.3	Transfer of marks from one paper to another shall not be permitted. Fractions of marks if any, while computing the Grace Marks shall be rounded off to the next higher integer.
24JCPGR15.4	PWD candidates who are eligible for Grace Marks shall be awarded Grace Marks forregular and supplementary chances until they pass the whole examination.
24JCPGR15.5	Grace Marks shall be awarded only for the marks of the End Semester Examinations including supplementary examinations
24JCPGR15.6	The request for Grace Marks shall be submitted to the Principal along with all relevant documents, within the time limit. The request for Grace Mark prescribed received after the time limit shall not be entertained on any account.
16. Transitory provision	
24JCPGR16.1	The Academic Council of the College reserves the right to add or revise or change/rescind or amend the rules and regulations, scheme of examinations, curriculum and syllabi from time to time, under due intimation to the University.
24JCPGR16.2	In the event of any clarification in the interpretation of the rules and regulations, they shall be referred to the Academic Council. The Academic Council will offer suitable interpretations/ clarifications/amendments in such references and shall be final