VIMAL JYOTHI
ENGINEERING COLLEGE (AUTONOMOUS)
Jyothi Nagar, Chemperi (PO), Kannur - Kerala, India

**RULES AND REGULATIONS OF MASTER OF
TECHNOLOGY (M.TECH.) PROGRAMME
(With effect from 2024 - 2025)**

MTech Regulation 2024

VIMAL JYOTHI ENGINEERING COLLEGE (AUTONOMOUS)
Jyothi Nagar, Chemperi, Kannur Kerala 670632
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COLLEGE VISION AND MISSION

VISION.

To bloom into a Center of Excellence for Technical Education and a pace-setter in rural India with its quality processes and procedures, interwoven with freedom of flexibility, moulding professionals of superior quality, dedicated to the progress and development of Humanity.

MISSION

To prepare the students to see beyond geographical limit and belong to a new age of acquisition and application of technology to meet the challenges of the changing 1 world. Inspired and guided by gospel values, we contribute to the socioeconomic welfare of the country with due concern to the marginalized.

QUALITY POLICY

VJEC is committed to provide quality education in engineering and technology, to transform the youth into committed technical personal for the social and economic wellbeing of the nation with integral development of the personality and character building.

MOTTO "Where Perfection is the Tradition"

DEFINITIONS AND NOMENCLATURE		
Sl. No	Name	Definition
1	Academic Council	The Academic Council of Vimal Jyothi Engineering college
2	Autonomous College	College designated as Autonomous College by the University Grants Commission (UGC). The College has freedom in all aspects of conducting its Academic Programmes granted by UGC for promoting excellence
3	Academic Calendar	The schedule of commencement and culmination of classes and events for M. Tech programme started every academic year and declared by the College by order issued from time to time.
4	AICTE	The All-India Council for Technical Education constituted under the All-India Council for Technical Education ACT 1987.
4	Board of studies	Board of Studies of a Department / Programme of Vimal Jyothi Engineering college
4	Controller of Examinations	The authority of the College who is responsible for all activities related to the Examinations, publication of results, award of Grade Card etc.
5	Credit	A unit by which the course work is assessed. It determines the number of hours of instructions required per week
6	Cumulative Grade Point Average (CGPA)	A measure of the overall performance of a student arrived at by considering all course credits needed for the Degree and their respective Grade Point.
6	CIE	Continuous Internal Evaluation which is assessed for every student for every course during the semester
7	Course	A theory / dissertation / mini project / practical subject that is normally studied included in the curriculum.
8	Discipline	means the branch of M. Tech Degree Programme or the broad branch of engineering. Example: Civil Engineering, Mechanical Engineering etc.
9	Grade Card	means the certificate issued to each candidate generally containing course type, course code, course title, grade, credit values and grade points along with SGPA of that semester/CGPA of the Programme.
10	Head of Department	The authority responsible for Department level academic and non-academic activities.
11	Parent University	University to which the College is affiliated – APJ Abdul Kalam Technological University, Thiruvananthapuram
12	Principal	The Head of the College
13	Program Assessment Committee	Department level committee including HoD, Programme Coordinator, Senior faculty members of the Department and Stream Coordinators. PAC's objective is to monitor and assess the concerned Academic Programme of the Department.

14	Programme	The combination of courses and/or requirements to be completed that lead to a degree or certificate. Example, M.Tech in Computer science , M.Tech in Structural Engineering and Construction Management etc.
15	Semester Grade Point Average (SGPA)	A measure of academic performance of student/s in a semester.
16	Statutory Body	body constituted under any law for the time being in force for determining and maintaining prescribed quality standards in the relevant areas of higher education

RULES & REGULATIONS OF M.TECH. DEGREE PROGRAMS

1. INTRODUCTION:

These Regulations may be called as VIMAL JYOTHI ENGINEERING COLLEGE (AUTONOMOUS) ACADEMIC REGULATIONS FOR M.TECH. PROGRAMMES-2024. These Regulations are subject to the provisions of UGC (Conferment of Autonomous Status Upon Colleges and Measures of Maintenance of Standards in Autonomous Colleges) Regulations, 2023. All the rules specified herein, approved by the Academic Council, will be in force and applicable to students admitted from the Academic Year 2024-2025 onwards shall be applicable to all M.Tech. courses (unless otherwise stated) offered by the Vimal Jyothi engineering College (autonomous. All the rules and regulations specified hereafter shall be read as a whole for the purpose of interpretation. In case of any ambiguity, the interpretation of the Academic Council is final.

M.Tech. Degree Programs are offered in the following specializations by the respective departments of two-year duration under the Parent University, APJ Abdul Kalam Technological University, Thiruvananthapuram

S.No	Department	Course / Specialization (s)
1	Computer Science and Engineering	Computer Science and Engineering
2	Civil Engineering	Structural Engineering and Construction Management

The provisions of these regulations shall be applicable to any new discipline that may be introduced from time to time.

2. ADMISSION:

2.1. The candidate shall be an Indian National

2.2. The candidate should have B.Tech. Degree in the appropriate branch of APJ Abdul Kalam Technological University or bachelor's degree in Engineering from another University approved by AICTE/ UGC approved Deemed Universities in India and recognized to be eligible for higher studies by APJAKTU.

2.3. In case of candidates who have an Under Graduate Degree in Engineering from

foreign universities, an eligibility certificate from APJ Abdul Kalam Technological University is to be produced.

2.4. Foreign nationals whose applications comply with the guidelines of the Indian Council of Cultural Relations, Government of India are also eligible for admission to the M.Tech. programmes.

2.5. The candidate should have a minimum CGPA of 6.0 in a 10-point scale in the Engineering Degree Examination. For SEBC (OBC) students, the minimum CGPA requirement is 5.5 in a 10-point scale. Wherever the credit system is/was followed, only CGPA will be considered for selection. If the candidate has obtained the bachelor's degree in Engineering from a University where credit system is/was not followed, he/she should have a minimum of 60% aggregate marks (For SEBC /OBC students, a minimum of 55% aggregate marks in the Engineering Degree examination is mandatory). For SC/ST candidates a pass in the Engineering Degree Programme is sufficient.

2.6. In case the CGPA by any University is mentioned on a scale other than 10 points, then the corresponding CGPA will be proportionally scaled to 10-point scale

2.7. Candidates, who have passed AMIE / AMIETE Examinations and satisfying the following conditions, are also eligible for admission. i) They must have valid GATE score. ii) A minimum of 55% marks for section B in AMIE/ AMIETE examination.

2.8. Sponsored candidates from Industries, R&D organizations, National Laboratories as well as Educational Institutions, with a bachelor's degree in Engineering are eligible for admission to the M.Tech Programme

2.9. Admission shall normally be restricted to those with valid GATE score. However, this stipulation is relaxed in the case of sponsored candidates. In case seats remain vacant due to lack of candidates with valid GATE score, candidates without valid GATE score shall be considered. Admission to such seats will be made on the basis of their CGPA/% marks scored in their Engineering Degre

2.10. The reservation policy of the Government of Kerala and Government of India which apply to minority institutions, shall be followed in admission to the M.Tech. programme shall be followed in admission to the M. Tech. programme

2.11. A candidate who has appeared for the final semester B.Tech./BE examination

can also apply, provided he/she has passed all the courses up to and including the 6th semester examination. Confirmation of admission of such candidates shall be subject to the production of a qualifying degree certificate before the date stipulated by the College. Notwithstanding all that is stated above; the admission policy may be modified from time to time by the College, particularly to confirm to the directions from the Government of Kerala/Government of India/AICTE as the case may be.

2.12. The maximum number of seats under various categories (regular, sponsored candidates and SC/ST) shall be as per the intake as approved by the AICTE, State Government and APJAKTU.

2.13. Selection of candidates for the M.Tech. Programme will be done centrally or monitored by the Directorate of Technical Education, Kerala as per the guidelines given on this by the Government of Kerala. The number of candidates to be admitted to each M.Tech. specialisation will be as per the statutory approvals and based on the decision on this given by the All-India Council for Technical Education. Admission will be confirmed on fulfilling all the eligibility criteria and on payment of the complete fees. The College will publish a merit list based on the ranking by DTE, in which 50% of seats will be filled on merit observing the reservation rules by the Government. Balance 50% of seats will be filled by the Management from the Management Merit List published based on marks, GATE score, experience etc.

2.14. If at any time after admission, a candidate is found not fulfilled any of the requirements stipulated by the University or the statutory body concerned, the Principal shall revoke the admission of the candidate based on the decision of Academic Council.

2.15. Students under this regulation, who have discontinued for reasons other than disciplinary action, may be readmitted as per the regulation prevailing at the time of re-admission. Program Assessment Committee (PAC) shall study and recommend exemption or addition of courses, if needed, to be registered by such student during re-admission. Such students shall have to successfully complete the substitute course(s) as recommended by the PAC and ratified by the concerned Board of Studies and the Academic Council.

3. **COURSE STRUCTURE:**

3.1. All the M. Tech programmes will be structured on a credit-based system following the semester pattern having continuous evaluation.

3.2. Every M.Tech Programme shall have a curriculum and syllabi approved by the Academic Council. Syllabus for any course can be modified/updated by the Academic Council upon the recommendations of the Board of Studies. All revisions shall be only based on the recommendations of the Board of Studies.

3.3. The programme shall span four semesters. First and second semester shall have a minimum of 72 instruction days followed by the end semester examination. Third semester shall have a minimum of 60 instruction days followed by the end semester examination. Fourth semester shall have a minimum of 72 instruction days followed by the end semester examination. The total contact hours shall normally be 30 hours per week including teaching assistance.

3.4. Duration of the Programme: 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: Maximum duration = N+2 years, where N stands for the minimum duration (In Years) prescribed for completion of the programme. Under exceptional circumstance, a further extension of one more year may be granted subject to approval of the Academic Council for the requisition made by the student. The request made by the student for duration extension shall be recommended by the HoD 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.

3.5. The academic work in each semester shall consist of course work, mini project, lab and/or dissertation work as specified for each programme. The curriculum is so drawn up that the minimum number of credits for successful completion of the M. Tech programme of any specialisation is 68. Each programme will consist of

- ☐ Core courses
- ☐ Elective courses
- ☐ Online course
- ☐ Research Methodology & IPR

- ☐ Mini project
- ☐ Seminar
- ☐ Industrial Training
- ☐ Laboratory work
- ☐ Project Work /Dissertation/Research work

3.6. Every Course comprises of specific Lecture-Tutorial–Practical (L-T-P) schedule. The course credits are fixed based on the following norms: (i) Lectures/Tutorials hour: 1 per week is assigned one credit (ii) Practical/Project: 2 hour per week is assigned one credit (iii) Project /Dissertation/Research Project: 1.5 hour per week is assigned one credit. The distribution of credits for the course work is given in Table 1

Sem	Course work content	Total credits allotted	Credits allotted semester wise
I	Core courses: 3 nos	3x3 = 9	18
	Programme electives: 2 nos	2x3 = 6	
	Laboratory: 1 no	1x1 = 1	
	Research Methodology & IPR: 1 no	1x2 =2	
II	Core courses: 2 nos	2x3 = 6	18
	Programme electives: 3 nos	3x3 = 9	
	Laboratory: 1 no	1x1 = 1	
	Min project: 1 no	1x2 =2	
III	MOOC: 1 nos	1x2= 2	16
	Internship:1 no	1x3 =3	
	Audit course: 1 nos	No Credit	
	Phase 1: Dissertation/Research Project: 1 no	1x11 = 11	
IV	Phase 2: Dissertation/Research Project: 1 no	1x16= 16	16
	TOTAL		68

3.7. Nomenclature of Programmes: The nomenclature and its abbreviation given below shall be used for the degree programmes under the University. Master of Technology shall be abbreviated as MTech. Example:

➢ Postgraduate (PG) engineering degree academic programme in in Structural Engineering and Construction Management (Discipline: Civil Engineering)

➢ Postgraduate (PG) engineering degree academic programme in in Computer Science Engineering (Discipline: Computer Science Engineering)

3.8. The medium of instruction followed by VJEC shall be English.

3.9. The stream specific MOOC is chosen from the approved list of MOOCs offered by an approved agency, platform, institute and discipline. Though the stream specific MOOC is offered in the 3rd semester, at any time after the commencement of the first semester, a student can select and register for the MOOC. The MOOC so selected is to be in the respective stream of specialization and should get approval from the respective HoD. As a mandatory requirement, any one MOOC, which is approved by the HoD has to be successfully completed by the end of the third semester and the student needs to submit the completion certificate to the Controller of Examinations (CoE) through the HoD, at least two days before the commencement of the ESE of 3rd semester

3.10. The academic Calander:

The college shall publish the schedule of academic activities for an academic year including the dates of registration, continuous internal tests for theory course, schedule of class committee meeting and End-semester examinations, which shall be referred to as academic calendar of the year.

4. LEAVES:

4.1. A post graduate student shall be entitled 30 days leave (15 days per semester) during every academic year, counted from the date of commencement of the session concerned as prescribed in the academic calendar of the institute. The intervening holidays will be treated as part of leave with provision of suffixing and prefixing holidays. In no way the leave rules would relax the attendance requirements for the students mentioned in 6.9. The Sanctioning Authority is the head of the department.

4.2. M.Tech students shall be eligible to leave station for visiting 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 the 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/sheshallbepermittedfor30daysperyear.The leave as mentioned at Clause 4.1 shall be in addition to this.

5. REGISTRATION

5.1. Every student is required to be present and register at the commencement of each semester on the day(s) fixed for and notified in the Academic Calendar.

5.2. A student will become eligible for enrolment only if

a) he/she has registered for all the courses listed in the curriculum of the previous semester and paid all required fees for the current semester.

b) 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.

c) Besides, a student should have fulfilled the credit requirements given in Table 2 for registering to higher semesters

Semester	Allotted credits	Cumulative credits	Minimum credits required
1	18	18	Not Applicable
2	18	36	Not Insisted
3	16	52	12 credits from S1
4	16	68	Not Insisted

5.3. 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.

5.4. 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.

5.5. After registration in each semester, each student should collect a registration sheet, which indicates the courses registered by him/her in that semester, signed by the faculty advisor.

5.6.

6. ASSESSMENT OF ACADEMIC PERFORMANCE:

6.1. All the courses other than laboratory course, MOOC course, Internship, Audit course, Dissertation/ research project Part I are evaluated by both Continuous Internal Evaluation (CIE) and End Semester Examinations (ESE) in every semester. Dissertation/ research project Part II will be evaluated through continuous internal assessment and external assessment.

6.2. The maximum marks allotted for all lecture-based courses for continuous internal evaluation is fixed 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.

6.3. 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) in the composite evaluation.

6.4. Continuous Internal Evaluation (CIE): 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 CIE marks for individual courses shall be computed by giving weightage to the parameters as specified in the curriculum.

6.5. The CIE marks obtained by the student for all courses in a semester are to be

published as stipulated in the academic calendar. Anomalies if any shall be rectified by the department and final mark uploaded in the examination system as per schedule published by CoE.

6.6. The end semester examinations shall be held twice in a year both odd and even semester: April/May and November/December as per academic Calander.

6.7. The eligibility criteria for registering to 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% and for girl students it will be 73%. 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 4. 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.

6.8. On medical ground 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.

6.9. 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 University Sports Coordinator/ the Director of Physical Education in the case of sports activities or the Faculty Advisor 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.

6.10. 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 their institute.

6.11. 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 6.7. They can 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.

6.12. A student should obtain a minimum of 40% marks in the end semester examination and a minimum of 50 % of the total mark (CIE marks + ESE marks) (See Table 3) to be eligible for grading a course as Pass. The students who have not scored minimum of 40% marks in the end semester examination and minimum of 50 % of the total mark (CIE marks + ESE marks) will be considered to have failed in the course and an F grade will be awarded

6.13. Valuation: Answer papers of theory examinations, 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 marks falls exactly midway between the other two, then the highest two marks shall be taken for averaging.

6.14. There will be no provision for revaluation of answer scripts of ESE, as they are valued by two different examiners. There is no provision for improving the grade. However, the student can apply for the scanned copy of the answer book by remitting the requisite fee if required. Any discrepancy in evaluation could be brought to the notice of the CoE, who shall initiate appropriate action as per the College Examination Manual

	Category	CIE weightage	ESE	Pass minimum
1	Theory course	40 %	60 %	40% for ESE and 50% for (CIE and ESE) put together
2	Lab Courses/Mini-project	100%		50% for CIE
3	Dissertation/ProjectPhase1	100 %		50% for CIE

4	Dissertation/Project Phase 2	50%	50%	40% for ESE and 50% for (CIE and ESE) put together
5	MOOC			As stipulated by the agency conducting MOOC
6	Internship	50%	50%	40% for ESE and 50% for (CIE and ESE) put together
7	Audit course			Attended and Completed – No Credit

6.15. The principal shall decide the course of action on the issue related to malpractice in examinations, based on the recommendations of the Disciplinary Action Committee (DAC) as per the prescribed norms in the College Examination Manual. Malpractices shall be dealt with promptly as per the norms in the Examination Manual.

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.

7. ACADEMIC MONITORING AND STUDENT SUPPORT

7.1 PG Coordinator/Programme Coordinators: In the departments where more than one M.Tech programmes are offered, one senior faculty assigned by HoD will act as the programme coordinator/ PG coordinator in that domine for coordinating the academic activities in the department for that PG programme. If the department has only one M.Tech programme, PG coordinator may serve as the programme coordinator .Programme coordinator will be having the role of Faculty Adviser (FA) of that programme.

Coordinator who shall advise the students in all matters related to their professional growth. Their role is to help the students in academics and personal difficulties related to studies. All requests/applications from a student or parent to higher authorities are forwarded/recommended by the Coordinator to the HoD for further forwarding to the principal. Students and parents shall first approach their Coordinator for all kinds of advice, clarifications and permissions on academic matters. The responsibility of keeping the records of the academic activities of students registered for all M Tech programmes in that department with the coordinator concerned.

7.2   Department Level Academic Committee (DLAC)

DLAC shall conduct at least three meetings in each semester (one in the beginning and one around the middle of the semester. The last meeting shall be at least 3 days before the last instructional day of the respective semester and should meet without the student representatives to finalise the internal marks. Minutes of the meeting along with the action taken report (with the counter sign of the HoD) shall be maintained by the coordinator. The relevant points of the meeting shall be communicated to the principal. The Chairman of the DLAC committee shall be a HoD of the respective Department.

The members of the committee will be

(i)   all faculty members teaching courses for the stream in that semester

(ii)   coordinator and

(iii)   two student representatives nominated by the HoD.
        These committees should monitor the conduct of the courses, adherence to the course plan and time schedule, completion of the syllabus, standards of internal tests and evaluation process and address the difficulties faced by the students and take suitable remedial actions at the appropriate time. A report on the student performance in each course should be prepared and submitted to the HoD.

7.4 For common courses offered in different specializations, College level Academic committees shall be formulated and shall function similar to Department Level Academic Committee.

The Chairman of the course committee shall be nominated by the principal.

7.5 The internal marks and attendance shall be uploaded in the Examination portal by the respective faculty members after displaying the same in the department notice board/ LMS as stipulated in the academic calendar. If any anomalies are raised by the students, it shall be rectified by the HoD. A copy of the CIE marks uploaded to the Examination Server shall be kept in the department for scrutiny and reference.

8.GRACE MARKS

Only Bonafede, regular candidates are eligible for the award of Grace Marks.

8.1 For Sports /Arts Competitions

The Criteria for the award of Grace Marks is representing the Parent University in officially sponsored National/ International Level Competitions /Championships/ Tournaments when called upon to do so. The student shall get prior official permission from the College for representing the Parent University.

8.1.1. 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 ESE marks of all theory courses for which the College conducts ESE.

8.1.2. The maximum Grace Marks that can be awarded to a student for a theory

8.1 For Sports /Arts Competitions

The Criteria for the award of Grace Marks is representing the Parent University in officially sponsored National/ International Level Competitions /Championships/ Tournaments when called upon to do so. The student shall get prior official permission from the College for representing the Parent University.

8.1.1. 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 ESE marks of all theory courses for which the College conducts ESE.

8.1.2. The maximum Grace Marks that can be awarded to a student for a theory course in a particular semester for all activities put together shall not exceed 10% of the maximum marks of ESE of the course.

8.1.3. The Grace Marks shall not be awarded to a student for Laboratory/ Viva- Voce/ Seminar/ Projects even though he/she fails for the same. Grace Marks are not applicable for CIE.

8.1.4. Eligible Grace Marks shall be awarded for the regular examination of the performing regular semester only. Grace Marks shall not be awarded for supplementary examinations.

8.1.5. Grace Marks shall be awarded based on performance in the respective semester only.

8.1.6. Eligible Grace Marks shall be distributed equally on all theory courses of an examination. However, re-distribution of Grace Marks shall be allowed only in the case of those courses of an examination for which the candidate has passed. Re-distribution 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.

8.1.7. The Grace Marks shall be awarded for all theory courses in a semester.

8.1.8. Re-distribution shall be done only for enabling a candidate to obtain the minimum marks required for a pass.

8.1.9. Grace Marks shall not be re-distributed from one semester to another semester.

8.1.10. 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.

8.1.11. The request for Grace Marks shall be submitted to the principal along with all relevant documents within the prescribed time limit. The request for Grace Marks received after the time limit shall not be considered on any account.

8.1.12. Only a single highest achievement during the period of a semester shall be considered for awarding the grace marks.

8.2. For Persons with Disability (PwD)

8.2.1. A person with a disability means a person suffering from not less than 40% of any disability 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 produced before the principal at the time of admission.

8.2.2. 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.

8.2.3 Transfer of marks from one course 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.

8.2.4 PwD candidates who are eligible for Grace Marks shall be awarded Grace Marks for regular and supplementary chances until they pass the whole examination.

8.2.5 Grace Marks shall be awarded only for the marks of the ESE conducted by the College.

8.2.6 The request for Grace Marks shall be submitted to the principal along with all relevant documents within the prescribed time limit. The request for Grace Marks received after the time limit shall not be considered on any account.

9 AWARD OF DEGREE

9.1 A student shall be eligible for the award of M. Tech Degree of the University on satisfying the following requirements:

❖ Fulfilled all the curriculum requirements within the maximum duration permitted for the programme

❖ No pending disciplinary action.

❖ The Degree will be conferred and awarded by APJ Abdul Kalam Technological University, Thiruvananthapuram, on recommendations of the Academic Council of the College

9.2 Grade and Grade Points

Grading is based on the % marks obtained by the student for a course. Semester grade card shall contain the grade for each registered course, 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 follows

Grades	Grade point	Percentage of Total Marks obtained in the Course
S	10.00	90% and above
A+	9.00	85% and above but less than 90%
A	8.5	80% and above but less than 85%
B+	8.00	75% and above but less than 80%
B	7.5	70% and above but less than 75%
C+	7.00	65% and above but less than 70%
C	6.5	60% and above but less than 65%
D	6.00	55% and above but less than 60%
P	5.50	50% and above but less than 55%
F	0.00	Below 50% (CIA + ESE) or Below 40% for ESE
FE	0.00	Failed due to lack of eligibility criteria
AB	0.00	Could not appear for the end semester Examination but fulfils the eligibility criteria.

9.3 Calculation of SGPA/CGPA

Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) are calculated as follows:

SGPA = $\Sigma(C_i \times GP_i)/\Sigma C_i$, where 'Ci' is the credit assigned for a course i and 'GPi' 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.

CGPA = $\Sigma(C_i \times GP_i)/\Sigma C_i$, where 'Ci' is the credit assigned for a course i and 'GPi' 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. Failed and Incomplete courses shall also be considered with zero Grade Points in the calculation.

7.4. Grade Cards shall be made available in student portal every semester by the CoE's office as per the Examination Manual. On earning the required credits for the Degree, the College will issue the final consolidated Grade Card for the M.Tech. Programme, including CGPA.

9.4 Classification of M.Tech Degree

First Class with Distinction: CGPA 8.0 and above

First Class: CGPA 6.5 and above Equivalent

10. BREAK OF STUDY

Break of study usually is not permitted. However, if a student intends to temporarily discontinue the Programme in the middle of a semester/year for valid reasons (such as undergoing Internships, due to accidents or hospitalization due to prolonged ill health) and wishes to re-join the Programme in the next academic year, he shall apply in advance to Principal through HoD, stating the reasons. The application shall be submitted not later than the last date for registering for the ESE.

Break of study is permitted only once during the entire period of the Programme. In the semester system followed by the College, a break of study for an academic year is the preferred option than the break of study for a semester.

Students shall have to re-join on the first working day of the same semester on which they had started availing the break of study.

For break of study due to illness, student shall submit all necessary medical reports together with the recommendation of the doctor treating him/ her giving definite reasons for break of study and its duration. Before joining back, the student should submit the fitness certificate from the doctor who treated him. Break of study is permitted up to two semesters which could extend the Programme up to three years, the maximum permitted by the Regulations.

Students who require a break in study due to personal reasons shall get the approval from the principal on the genuineness of the need for it by providing authentic evidences for the same.

Students who require break of study for 'taking up a job' shall produce the offer letter obtained from the employer concerned. The HoD shall verify the authenticity of the offer and submit his recommendation to the principal through CoE sufficiently in advance for approval

11. ACADEMIC AUDITING

There shall be academic auditing in all Departments offered M Tech at stipulated intervals. The academic auditing shall be conducted by the Internal Quality Assurance Cell (IQAC) of the College as prescribed in the approved audit manual of the College. The IQAC shall oversee and monitor all academic activities, including all internal evaluations and examinations. This cell shall prepare academic audit statements in the prescribed formats as detailed in the IQAC manual for each semester at regular intervals.

Compliance cum Action Taken Reports based on the audit statements shall be presented by the Principal in the Academic Council.

Academic auditing shall cover: -
   a) 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, projects and conduct of practical classes and their evaluation.

b) 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.

c) The audit shall also cover the quality criteria prescribed by the Accreditation agencies.

12. MIGRATION FROM OTHER UNIVERSITIES/INSTITUTIONS

Migration to M.Tech. Programme of Vimal Jyothi Engineering College (Autonomous) is governed by the below-given guidelines. These guidelines apply to migration of eligible candidates, undergoing an AICTE approved Postgraduate Engineering Programme run by any Institution/University, to Vimal Jyothi Engineering College (Autonomous).

- The migration shall be permitted only up to the starting of the third semester of M.Tech. Programme.

- The candidate seeking migration to M.Tech. Programme has to apply to the Principal of Vimal Jyothi Engineering College (Autonomous) in prescribed application format as per notification issued by the Principal. The application form must be duly filled and be enclosed with all the supporting documents, including proof of remittance of the non-refundable migration processing fee.

- The candidate seeking migration must produce a valid Migration Certificate issued by the competent authority of the Institution/University from where the candidate seeks migration.

- The PAC of the concerned M.Tech. Programme of Vimal Jyothi Engineering college shall scrutinize the application of the candidate, examine the course examinations appeared by the candidate and the credits/marks earned subsequently. The PAC may recommend the candidate to take additional/transitory courses if found required. A report shall be submitted by the Head of Department to the Principal, evidently stating the decision made by the PAC concerning the credits earned by the candidate.

- The report from the Chairman of the Board of Studies mentioning the lateral transfer of credits of the candidate shall be considered by a three-member committee at college level appointed by the Principal .

- The committee shall consider:

a) Eligibility criteria for admission to the Programme

b) Report submitted by the Chairman of the Board Studies

c) Academic performance of the candidate for the completed End Semester

d) Examinations of the Programme in the University he attended.

e) Character Certificate and other traits of the candidate

f) Migration Certificate issued by the competent authority

g) Availability of vacant seats in the respective M.Tech. Programme in Vimal Jyothi Engineering College (Autonomous)

h) Any other document that deems fit to be considered for migration.

i) The committee shall submit a report stating the decision made, after

j) conducting a personal interaction with the candidate, if required.

• Admission shall be offered to the candidate by the Principal based on the report from the college-level committee, subject to ratification by the Academic Council. The candidate offered admission shall have to take transitory courses/ additional courses of the previous semesters to satisfy the programme requirement, as mentioned in the admission offer letter.

• Academic regulations, rules, norms and other guidelines of the M.Tech. Programme of Vimal Jyothi Engineering College (Autonomous) applies to the candidate after admitted to the Programme.

• Notwithstanding the existing regulations for approval of migration, the principal, in consultation with the college-level committee matters of exigencies shall consider migration on compassionate grounds for the cases not covered under the guidelines mentioned above/regulations. However, such a decision made by the principal shall be substantiated and recorded in writing for ratification in the ensuing meeting of the Academic Council.

13. TRANSITORY PROVISIONS

Notwithstanding anything contained in these regulations, the principal shall, for two years from the date of coming into force of these regulations, has the power to provide by the order that these Regulations shall be applied with any modifications as may be necessary.

Revision of Regulations notwithstanding all that has been stated above, the Academic Council of the College has the right to modify any of the Regulations, Scheme of Studies, Examinations & Assessment System and Syllabi from time to time.

14. AMENDMENTS TO REGULATIONS

The Academic Council of the College may approve revisions, amendments or changes in the Regulations/ Policies based on the Industry/Societal needs from time to time.

15 SCOPE

The Academic Regulations should be read as a whole for the purpose of any interpretation. In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Academic Council is final.