SWAMI VIVEKANAND SUBHARTI UNIVERSITY, MEERUT

FACULTY OF ENGINEERING & TECHONOLOGY

ORDINANCE No. V (42A) RELATING TO

MASTER OF TECHNOLOGY (M.Tech.) PROGRAMME

(Effective from the Session – 2025-26)

Apporved by the Academic Council of the Meeting held on 06 May 2025
Apporved by the Executive Council of the Meeting held on 28 June 2025

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DEAN

FACULTY OF ENGINEERING & TECHONOLOGY

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MASTER OF TECHNOLOGY (M.Tech.) PROGRAMME

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CHAPTER – 1

GENERAL PROVISIONS

(As per UGC Regulations 2025, NEP 2020, AICTE Model Curriculum 2024, and NBA OBE Framework)

1.1 Title and Applicability

1. This ordinance shall be called the **"Revised Ordinance relating to the Master of Technology (M.Tech.)"** Programme at **Faculty of Engineering & Technology**, a constituent unit of **Swami Vivekanand Subharti University (SVSU)**, Meerut.
2. It shall come into force from the **academic session 2025–26**.
3. This ordinance supersedes all previous versions of the M.Tech. ordinance and aligns with:
    - **University Grants Commission (Minimum Standards of Instruction for UG & PG Degree) Regulations, 2025**
    - **National Education Policy (NEP) 2020**
    - **AICTE Model Curriculum 2024**
    - **National Credit Framework (NCrF)**
    - **Outcome-Based Education (OBE) model of NBA**

1.2 Scope and Flexibility

1. The M.Tech. programme under this ordinance provides flexibility for:
    - Full-time postgraduate study over 2 academic years (4 semesters)
    - **Multiple Entry and Exit** (Diploma/Degree)

- **Biannual Admission** in **July/August** and **January/February**
- **Simultaneous Degrees** in accordance with UGC's dual-degree guidelines
- **Credit Accumulation** through **online/ODL/RPL/MOOCs** with ABC integration
- Optional part-time and sponsored modes as per AICTE norms.

1.3 Institutional Objectives

SVSU, through FET, is committed to:

- Providing high-quality technical education integrating **academic excellence, industry readiness**, and **societal relevance**
- Promoting a **student-centric, multidisciplinary**, and **outcome-based** learning ecosystem
- Ensuring **mobility and flexibility** in academic pathways under the **National Higher Education Qualifications Framework (NHEQF)**

1.4 Vision

To be a globally recognized hub of multidisciplinary engineering education, research, and innovation that nurtures technically proficient, socially responsible, and environmentally conscious engineers, committed to fostering sustainable development, national progress, and global well-being.

1.5 Mission

- **To provide inclusive and high-quality technical education.**
- **Foster innovation and multidisciplinary research.**
- **Nurture socially responsible engineers.**
- **Drive sustainable development.**
- **Contribute to global progress.**

1.6 Programme Educational Objectives (PEOs)

Graduates of the M.Tech. programme will:

PEO 1:

Pursue scholarly research or higher academic qualifications by applying core engineering principles.

PEO 2:

Excel in technical roles by integrating engineering expertise with innovation and leadership.

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PEO 3:
Demonstrate professional ethics, teamwork, and project leadership.

PEO 4:
Engage in lifelong learning and contribute innovative, sustainable solutions.

1.7 Programme Outcomes (POs) *(As per NBA Outcome-Based Education model)*

The programme prepares graduates to attain the following:

PO Code	Program Outcome
PO1	**Engineering Knowledge**: Apply mathematics, science, and engineering fundamentals to solve complex engineering problems.
PO2	**Problem Analysis**: Identify, formulate, and analyze complex problems using research-based knowledge.
PO3	**Design/Development**: Design systems/processes that meet specified needs with realistic constraints.
PO4	**Investigations**: Use research methodologies, analysis, and interpretation to provide valid conclusions.
PO5	**Modern Tool Usage**: Use modern engineering tools with an understanding of their limitations.
PO6	**Engineer and Society**: Assess societal, legal, and cultural responsibilities in engineering practice.
PO7	**Environment and Sustainability**: Understand the environmental impact of engineering solutions.
PO8	**Ethics**: Apply ethical principles and adhere to engineering ethics.
PO9	**Teamwork**: Function effectively as an individual or team leader in multidisciplinary teams.
PO10	**Communication**: Communicate effectively on technical activities with engineering community and society.
PO11	**Project Management & Finance**: Apply engineering and management principles to lead projects in diverse environments.
PO12	**Lifelong Learning**: Engage in lifelong learning for personal and professional development in the context of technological change.

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CHAPTER – 2

ADMISSION AND ELIGIBILITY

2.1 Admission Sessions and Intake Planning

1. **Biannual Admission:**
   The University shall offer **two admission cycles each academic year:**
   - **Odd Session:** July–August
   - **Even Session:** January–February
2. **Intake Planning:**
   Annual intake shall be determined by the **Academic Council** based on:
   - AICTE/UGC-approved intake
   - Available faculty and and learning resources
3. **Reservation:** SC/ST/OBC/EWS/PwD as per Government norms.

2.2 Eligibility Criteria for Admission to First Year (Regular Entry)

1. A candidate is eligible for admission to the M.Tech. program if they have:
   - Passed **Level 6 / BE/B.Tech.** in the relevant branch of Engineering/Technology from recognized university.
   - Candidates with a M.Sc. or MCA may be eligible for specific branches as per AICTE norms.
   - Obtained **minimum 50% aggregate marks (45% for SC/ST/OBC)** in the qualifying examination.
2. **Admission Channels:**
   - **GATE qualification.**
   - **SVSU's entrance exam/interview.**
   - **Direct admission** based on merit (for vacant seats)
3. **For Sponsored/Part-Time Candidates**
   - Two years' relevant industry experience required
   - Employer sponsorship mandatory for part-time enrolment
   - Attendance and academic requirements must be met
4. **Age Limit:**
   - Minimum age: **18 years** as of 31st December of the admission year
   - Maximum age: As per prevailing university/admission policy

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2.3 Eligibility Criteria for Second Year:

1. A candidate is eligible for admission to the M.Tech. 2nd year if they have:
    - Passed **Level 6.5 / PG Diploma in Engineering** in the relevant branch of Engineering/Technology from recognized university.

2.4 Simultaneous Degree Programs

- As per UGC 2022 and reaffirmed in UGC 2025:
    - Students may pursue **two PG degrees simultaneously**, either:
        - One in **online/ODL** and another in **regular mode**
        - Or both in **online / ODL / evening shift**
    - The second program must not conflict with attendance/assessment of the primary M.Tech. Degree.

2.5 Available Branches:

The M.Tech. programme is offered in the following disciplines:

1. **Computer Science & Engineering Department**
    - Computer Science & Engineering
    - Cyber Security
2. **Electrical & Electronics Engineering Department**
    - Power Electronics & Drives
3. **Electronics & Communication Engineering Department**
    - Radio Frequency & Microwave
4. **Mechanical Engineering Department**
    - Production Engineering
5. **Environmental Engineering Department**
    - Environmental Engineering & Management
6. **Civil Engineering Department**
    - Construction Management
    - Structural Engineering
7. **Defence Technology Engineering**

2.6 Allocation of Discipline:

- Selected candidates will be allocated a discipline from those listed in **Clause 2.5** based on **merit, choice,** and **counseling.**

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CHAPTER – 3

PROGRAM DURATION, EXIT OPTIONS, AND CREDIT REQUIREMENTS

3.1 Duration of the M.Tech. Programme

1. The standard duration of the **M.Tech. Programme** shall be:
    - **Minimum: 2 academic years (4 semesters)**
    - **Maximum: 4 years for degree completion**

3.2 Credit Requirements and Academic Load

1. The minimum number of credits required to earn a M.Tech. degree is:
    - **80 credits** for standard 2-year programme
    - As per **AICTE model curriculum** and **UGC Credit Framework**

3.3 Credit Accumulation and ABC Integration

- Credits earned shall be digitally stored in the **Academic Bank of Credits (ABC)**.
- Credits may be earned through:
    - Regular coursework
    - **Online platforms** (SWAYAM, NPTEL)
    - **Open and Distance Learning (ODL)**
    - **Skill-based and RPL modules**
- Students may **transfer credits** from UGC-approved institutions or platforms to their ABC account.
- Credits remain valid for 4 **years**, facilitating re-entry at a later stage.

3.4 Exit Options and Awards (UGC 2025 & NCrF)

Students can voluntarily exit the programme at predefined stages and receive nationally recognized qualifications:

Exit Point	Credits Required	Award
After 1st Year	40 credits	**Postgraduate Diploma** in Engineering
After 2nd Year	80 credits	**M.Tech. Degree**

*Students may exit and re-enter the programme within **2 years**, subject to revalidation/ bridge coursework.*

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CHAPTER – 4

CURRICULUM STRUCTURE AND CREDIT FRAMEWORK

4.1 Curriculum Philosophy and Design

The M.Tech. Curriculum shall be designed to ensure:

- **Multidisciplinary learning** with strong engineering fundamentals
- Integration of **vocational education, skill development, and internships**
- Emphasis on **critical thinking, creativity, ethics, sustainability, and innovation**
- Flexibility through **Choice-Based Credit System (CBCS)**
- Full compliance with **National Higher Education Qualifications Framework (NHEQF)** and **NCrF**

The curriculum enables **horizontal and vertical mobility**, as well as **multiple entry and exit** under ABC.

4.2 Structure of the M.Tech. Programme

Curriculum Component	Credit Range
Core Courses	24–28 credits
Electives (including interdisciplinary)	18-20 credits
Open Electives	6–8 credits
Seminar/Research Review	2 credits
Project Work/Dissertation	30 credits
MOOCs/Audit Courses	Non-credit
Total	**80–88 credits**

4.3 Credit Hour Definitions *(UGC/NCrF Standard)*

- **1 Credit =**
  - 1 hour of lecture per week (15 hours/semester)
  - 2 hours of laboratory or fieldwork per week (30 hours/semester)
- **Internships, skill courses, MOOCs, etc.** follow equivalent workload norms approved by BoS and Academic Council.

4.4 Course Types and Delivery Modes

1. **Core Courses**: These are compulsory, domain-specific courses providing strong foundational and advanced understanding in the M.Tech. specialization. Examples

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include "Advanced Algorithms" for CSE or "Thermal Systems Design" for Mechanical Engineering.

2. **Electives (including interdisciplinary):** These include department-offered advanced topics or courses from related disciplines to allow students to explore specialized areas and interdisciplinary knowledge.
3. **Open Electives**: Courses offered across departments in areas like entrepreneurship, management, AI, or ethics, enabling students to gain multidisciplinary exposure and broaden their knowledge base.
4. **Seminar/Research Review**: Individual student presentations on emerging research areas, literature reviews, or technical surveys to build communication and research skills.
5. **Project Work/Dissertation**: A two-semester research or industrial project comprising problem definition, methodology, experimentation, thesis writing, and viva voce evaluation. Strongly aligned with research orientation, innovation, and practical implementation.
6. **MOOCs/Audit Courses**: Optional courses undertaken on platforms such as SWAYAM, NPTEL, or within SVSU, to enhance knowledge. These are not credit-bearing but support lifelong learning and skill development.

4.5 Language of Instruction and Communication Courses

- English shall be the primary medium of instruction.
- Communication, report writing, and presentation skills shall be embedded through:
  - **Technical Communication courses**
  - **Soft Skill Workshops**
  - **Seminar and Viva Courses**

4.6 Academic Calendar

The academic calendar shall be as follows:-

I , III Semester (Odd)	Session - 1st Aug. to 30th Nov
	Exam - 1st Dec. to 20th Dec.
II, IV Semester (Even)	Session - 1st Jan. to 10th May
	Exam - 1st May to 20th May

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CHAPTER – 5

ATTENDANCE AND EVALUATION

5.1 Attendance Requirements

1. **Flexible Attendance Policy**:
   In line with UGC 2025 regulations and NEP 2020's flexibility principles, the **minimum attendance requirements** shall be:
   - **75%** in theory, practical, tutorials, and project courses in **regular mode**
   - Reduced minimum attendance (e.g., **50–60%**) may be considered for:
     - Students with **blended/online mode**
     - Students engaged in **startups, internships, fieldwork**, or certified online courses
     - Students with **approved RPL/ODL enrolments**
2. **Condonation of Shortage**:
   - Up to **10% condonation** may be granted by the Dean, Faculty of Engineering for valid reasons (medical, internships, institutional duty).
   - In exceptional cases, the Vice-Chancellor may approve condonation beyond 10% on the recommendation of a university-level committee.
3. **Attendance Incentives**:
   - **Attendance > 90%** in a subject may earn bonus marks (up to **5 marks** as internal incentive).
   - May be included in **CIE (Continuous Internal Evaluation)**.

5.2 Credit and Evaluation Requirements (UGC 2025)

1. No credit shall be awarded unless the student has been **formally assessed** for learning outcomes.
2. Evaluation will comprise:
   - **Continuous Internal Evaluation (CIE)** (formative)
   - **End Semester Examination (ESE)** (summative)
   - **Alternative assessments** such as viva, practicals, field projects, and presentations
3. Each course will carry **a fixed number of credits**, and assessment must ensure **competency demonstration** for those credits.

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5.3 Components of Assessment

Component	Weight age
Continuous Internal Evaluation (CIE)	30%
End Semester Examination (ESE)	70%

- The **Academic Council** may revise weightage distribution in specific cases (labs, design studios, RPL).

5.4 Continuous Internal Evaluation (CIE)

- Conducted by faculty member(s) during the semester.
- Includes:
  - Class tests (objective and descriptive)
  - Assignments and quizzes
  - Group discussions
  - Oral/viva-voce exams
  - Case studies, simulations, and design exercises
  - Seminar, attendance, and class participation
- Evaluation must be **transparent** and **student-informed**. Assessment plan must be:
  - Shared at course outset
  - Approved by Departmental Academic Committee
  - Retained for academic audit

5.5 Continuous Comprehensive Assessment (CCA)

- **Award of Sessional Marks:** Sessional marks for theory subjects and practical shall be awarded as per the breakup of sessional marks given below:-

  Theory Subjects:

  a) Class test will comprise two mid-term test of equal weight age. - 20 Marks

  b) Marks for regular class attendance - 10 Marks

  Practical:

  a) Two–mid-term viva-voce test of equal weight age. - 05 Marks

  b) Teacher's assessment (including 5 marks for regular attendance) based on lab record attendance - 10 Marks

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- Make-up test may be held for those students who fail to appear in any one of the mid-term class test due to genuine unavoidable reasons, provided prior permission was consented from the Principal.
- A maximum of 10 marks in each subject shall be awarded for attending classes (theory/practical) as per the following norms:

85 % or more attendance	10 Marks
80 % or more but less than 85 % attendance	9 Marks
75 % or more but less than 80 % attendance	8 Marks
70 % or more but less than 75 % attendance	7 Marks
65 % or more but less than 70 % attendance	6 Marks
60 % or more but less than 65 % attendance	5 Marks
51 % or more but less than 60 % attendance	4 Marks
50 % attendance	3 Marks
Less than 50 % attendance	0 Marks

5.6 End Semester Examination (ESE)

- Conducted centrally by the **Controller of Examinations**
- Scheduled at the end of each semester
- May include:
  - **Written exam (offline/online)**
  - **Oral viva**
  - **Project demonstration**
  - **Hybrid assessments**
- Question papers must:
  - Align with **course outcomes (COs)**
  - Cover all Bloom's taxonomy levels (Remember, Understand, Apply, Analyze, Evaluate, Create)
- The marks for seminar, industrial training and educational tour shall be awarded on the following basis:
  - Write-up/Report - 50%
  - Presentation- 50%

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5.7 Transparency and Student Rights

- As per UGC 2025, students shall be allowed to:
  - **Access their evaluated answer scripts** on request
  - Raise re-evaluation or review requests through the prescribed format
  - Seek **clarification/explanation** from the course instructor within 7 days of result publication

5.8 Passing Criteria and Promotion

Component	Pass Requirement
Theory Course	40% in CIE + 40% in ESE
Lab/Project/Design Course	50% overall
Internship/Capstone/Skill	Satisfactory grade (Pass/Fail)

- A student must achieve **minimum 4.0 Grade Point (D grade)** to earn credit in any subject.
- Students with **arrears/backlogs** may progress to the next semester but must **complete all courses within the maximum duration (4 years).**

5.9 Grading System

Marks Range (%)	Letter Grade	Grade Point	Classification
90–100	O (Outstanding)	10	First Class with Distinction
80–89	A+	9	First Class with Distinction
70–79	A	8	First Class
60–69	B+	7	First Class
50–59	B	6	Second Class
45–49	C	5	Pass
40–44	D	4	Pass
< 40	F (Fail)	0	Fail
Absent	AB	0	Fail

- **SGPA and CGPA** calculated as per UGC 10-point system
- University shall provide a **conversion table** for GPA to percentage and vice versa

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CHAPTER – 6

PROMOTION, CREDIT TRANSFER, MINOR/HONORS DEGREES, AND EXIT OPTIONS

6.1 Promotion Policy

1. **Semester-to-Semester Promotion**
   - A student shall be promoted to the next semester **irrespective of backlogs,** provided the academic load per semester is within permissible limits as per curriculum.
2. **Year-to-Year Transition Advisory**
   - For academic advisory purposes, it is recommended that students earn at least **50% of cumulative credits** for smooth progression. However, this is **not mandatory** under the flexible credit system.
3. **Program Completion Window**
   - Students must complete the program within:
     - **4 years** for regular-entry students (first year)
     - **3 years** for lateral-entry students (second year)

6.2 Credit Accumulation and Transfer via ABC

1. Students must register on the **Academic Bank of Credits (ABC)** portal and maintain an ABC ID.
2. Credits earned through the following are fully recognized:
   - **Online Platforms** (e.g., SWAYAM, NPTEL)
   - **ODL Mode** (from UGC-DEB-recognized universities)
   - **Vocational Training** or **Skill Development Courses** (e.g., NSQF, PMKVY)
   - **Recognition of Prior Learning (RPL)** pathways
3. **Credit Transfer Conditions:**
   - Maximum of **40% credits per semester** can be earned through online/ODL/RPL mode.
   - All credit transfer must adhere to **UGC ABC Operational Guidelines (2021, amended)**.
   - ABC records shall be regularly updated by the university's **ABC Nodal Officer**.

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6.3 Exit Options and Awards *(UGC 2025 – National Credit Framework Compliant)*

Exit After	Credits Required	Award	Skill Course Required
1 year (2 sem)	40 + 4	PG Diploma in Engineering	No
2 years (4 sem)	80 + 4	M.Tech. Degree	No

- Each exit is based on **learning outcomes achieved + minimum credits + skill component** as mandated in UGC 2025.
- Exit students will receive a **formal qualification and transcript.**
- **Exit credentials** are **valid for re-entry.**

6.4 Re-entry and Credit Redemption

1. Students who exit early may **rejoin within 4 years** using their ABC-stored credits.
2. Bridge courses may be required to address **curriculum changes** or **gap years.**
3. Upon re-entry, students must fulfill the **latest program outcomes and assessment requirements.**

6.5 Curriculum Mobility and Elective Flexibility

- **Open Electives** can be selected from:
  - Other engineering branches
  - Management and law departments
  - Online and interdisciplinary platforms
- Students can **custom-design their degree** using the university's elective catalog and approved MOOCs.

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CHAPTER – 7

INTERNSHIPS, CAPSTONE PROJECTS, AND INDUSTRY LINKAGES

7.1 Rationale and Objectives

The M.Tech. programme shall integrate **experiential learning components** including internships, fieldwork, capstone projects, and apprenticeships to:

- Bridge the gap between academics and industry practices
- Promote hands-on technical competence and 21st-century skills
- Enhance employability and entrepreneurship through real-world exposure
- Fulfill UGC's **minimum skill credit requirement (≥4 credits per exit level)**

7.2 Mandatory Internships and Apprenticeship Framework

As per AICTE and UGC regulations:

Internship Requirements:

Internship	Duration	When	Credits	Purpose
Technical Internship with mini project	4–6 weeks	In 3rd semester	4-6	Domain exposure, lab or training work

- Internships may be conducted **in hybrid/remote/on-site mode.**
- Students must maintain:
  - **Daily activity log**
  - **Internship completion certificate**
  - **Internship evaluation form** signed by supervisor

Evaluation Rubric (Internship Reports):

Component	Weight age (%)
Daily Log & Attendance	20
Supervisor Assessment	30
Report Quality	25
Viva-Voce / Presentation	25
Total	**100**

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7.3 Apprenticeship or Industry-Integrated Training (Optional)

- Students may opt for **UGC-approved apprenticeship programs** (up to 1 semester) as per:
  - **National Apprenticeship Promotion Scheme (NAPS)**
  - **AICTE's NEEM/NAPS guidelines**
- Recognized as **skill/industry credits** (4–12 credits)
- Can replace one internship or be taken as part of a **minor specialization** or **vocational pathway.**

7.4 Dissertation

Dissertation Guidelines:

- **Mandatory** for all students in the final year (4th semester)
- Individual
- Nature:
  - Design-based
  - Research-based
  - Innovation/startup-based
  - Industry-sponsored

Dissertation Credits:

- 20 credits

Project Phases:

1. **Proposal Submission**
2. **Mid-Term Review** (evaluation of methodology and progress)
3. **Final Demonstration & Viva**

Evaluation Components:

Component	Weight (%)
Problem Definition & Relevance	10
Innovation/Originality	20
Methodology & Implementation	30
Report Writing & Documentation	20
Final Viva & Presentation	20
Total	**100**

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- Projects are **mapped to Course Outcomes (COs) and Program Outcomes (POs)** for NBA compliance.

7.5 Industry Interaction and Linkages

The institute shall actively pursue:

- **MoUs with industries**, R&D labs, and startups for:
  - Internships
  - Industry mentorship
  - Capstone projects
  - Curriculum co-design
- **Guest lectures**, tech talks, and mentoring by industry experts

Faculty Involvement:

- Each student/project group shall be assigned a **faculty mentor** and, where possible, an **industry co-guide**.

7.6 Startup and Innovation-Based Projects

- Students may convert their **capstone project into a startup prototype** under the university's Incubation Cell.
- Eligible for:
  - **Project credit equivalence**
  - **Recognition as innovation or entrepreneurship elective**
  - **Support from NISP, IIC, or funding cells**

7.7 Documentation and Credit Submission

- All internship/project records must be:
  - Digitally uploaded to the university LMS/portal
  - **Credited into ABC** for future use or transfer
  - Retained for **academic audit and industry verification**

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CHAPTER – 8

GRADUATION REQUIREMENTS, RESULTS, AND AWARD OF DEGREE

8.1 Minimum Requirements for Award of M.Tech. Degree

A student shall be eligible for the award of the **Master of Technology (M.Tech.)** degree if:

1. **Credit Completion**:
   - Successfully earned a **minimum of 80–88 credits**, as prescribed by the curriculum.
2. **Mandatory Components Passed**:
   - All core, elective, and skill courses (including internships, projects, and practicals)
   - UGC-mandated **skill-based courses** at each exit level (minimum 4 credits)
3. **Programme Completion Timeline**:
   - Within **4 years** from date of admission (3 years for lateral entry)
4. **Administrative Compliance**:
   - Cleared all dues to the university
   - Returned books/equipment borrowed from university departments
5. **Minimum Academic Performance**:
   - Secured a minimum **CGPA of 5.0** (or 50%) at the end of the programme

8.2 Classification of Results and CGPA Ranges

CGPA Range	Letter Grade	Division/Class
≥ 7.5	A++	First Class with Distinction
6.5 – 7.49	A+	First Class
5.5 – 6.49	A	Second Class
5.0 – 5.49	B	Pass
< 5.0	F	Fail – Not Eligible for Degree Award

Distinction is awarded only if the candidate has passed all subjects in the first attempt.

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8.3 Calculation of SGPA and CGPA

- SGPA (Semester Grade Point Average):

$$SGPA = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

- CGPA (Cumulative Grade Point Average):

$$CGPA = \frac{\sum(C_i \times SGPA_i)}{\sum C_i}$$

Where:

- Ci = number of credits for the i^{th} course
- Gi = grade point obtained in that course

The university shall provide a **GPA-to-Percentage Conversion Table** as per UGC norms.

8.4 Exit Awards and Exit Credentials

Students who exit the M.Tech. programme at intermediary levels shall receive:

Exit After	Credits	Credential Awarded
1 year (2 semesters)	40	Postgraduate Diploma in Engineering
2 years (4 semesters)	80	M.Tech. Degree

Each credential shall be accompanied by a National Skills Qualification-aligned transcript and recorded on the Academic Bank of Credits (ABC).

8.5 Re-entry and Completion of Degree

1. Students who exited at any point may **re-enter within 4 years**, subject to:
    - Valid credits in ABC
    - Curriculum compatibility
    - Completion of bridge modules if curriculum has changed
2. Upon fulfilling all requirements, such students are awarded the **M.Tech. degree** or appropriate exit credential.

8.7 Awarding of Degree and Transcript

Upon successful completion:

- The student shall receive:
    - **Degree Certificate (printed + digital via DigiLocker)**
    - **Consolidated Grade Sheet with CGPA**
    - **Transcript** showing all credits, levels, modes of learning, and skill tags

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- Awarding is done during:
  - **Annual Convocation**
  - **Digitally issued within 30 days** via UGC Digilocker/NAD as per UGC 2025

8.8 Improvement, Grace Marks, and Re-Evaluation

1. **Improvement:**
   - Allowed for **2 theory papers** (Grade < B), once only.
   - Final marks are based on the better of two attempts.
2. **Grace Marks:**
   - Upto **5 grace marks** may be awarded in one subject to a final year student if:
     - All other courses are cleared
     - Student is short of passing marks only in that paper, or
     - As per prevailing University policy.
3. **Re-evaluation:**
   - Students may apply for **re-evaluation of ESE answer scripts.**
   - Applications to be submitted within **10 days of result** declaration, or
   - As per prevailing University policy.

CHAPTER – 9

AMENDMENT, INTERPRETATION, AND EMERGENCY PROVISIONS

9.1 Amendment and Review of Ordinance

1. The **M.Tech. ordinance shall be reviewed every 3 to 5 years** or earlier if required, to incorporate:
   - Changes in AICTE/UGC/NEP/NBA guidelines
   - Academic innovations or new regulatory mandates
   - Stakeholder feedback (faculty, students, industry)
2. Any **amendment** to this ordinance must be:
   - Initiated by the **Board of Studies (BoS)** of the concerned department
   - Approved by the **Academic Council** of the university
   - Notified officially and shall be applicable **prospectively,** unless otherwise stated

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9.2 Interpretation of Ordinance

1. In case of any **ambiguity, contradiction, or dispute** regarding the interpretation of this ordinance:
    - The matter shall be referred to the **Dean of Engineering/Chairman of BoS**, who shall consult relevant regulatory documents.
    - The **Vice-Chancellor's decision** in such cases shall be **final and binding**.

9.3 Emergency Provisions

1. In the event of any **unforeseen situation** such as:
    - Pandemic or natural calamity
    - National emergencies or administrative shutdowns
    - Technical issues disrupting the academic process

    The **Vice-Chancellor is empowered** to:
    - Modify academic processes (exams, classes, internships)
    - Permit deviations from the ordinance on a **temporary basis**
    - Issue notifications to that effect, which must be **ratified by the Executive Council** subsequently

9.4 Power of the University

- The university reserves the right to introduce **new policies, academic formats, technology platforms, or credit systems** for better implementation of NEP and OBE, including:
    - Fully online credit-based courses
    - AI-based academic tracking
    - Block chain-based degree issuance
- All such changes shall comply with **regulatory frameworks** and will be communicated officially.

9.5 Repeal and Savings

- All previous ordinances relating to the M.Tech. program at Faculty of Engineering and Technology **stand repealed** from the date of enforcement of this ordinance (academic session 2025–26).
- However, students already admitted prior to this ordinance shall continue to be governed by the **ordinance(s) in effect at their time of admission**, unless they opt for migration.

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Faculty of Engineering & Technology
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