



GUJARAT TECHNOLOGICAL UNIVERSITY

Program Name: Master of Engineering

Level: PG

Branch: ALL

Subject Code: ME04000011

Subject Name: Internal Review Phase-II

w. e. f. Academic Year:	2024-25
Semester:	4
Category of the Course:	Core Course

- **Course Outcomes**

CO No.	Course Outcome	RBT Level	Description
CO-1	Understand and apply ethical standards in data collection and evaluation	UN	Ethical awareness and responsibility
CO-2	Test and validate hypothesis using performance metrics	CR	Creative and critical validation
CO-3	Evaluate performance using problem-specific datasets	EL	Quantitative and qualitative review
CO-4	Apply techniques and draw conclusions from experimental work	AP	Practical reasoning and synthesis
CO-5	Communicate research outcomes effectively	AP	Technical writing and presentation

- **Teaching and Examination Scheme:**

Teaching Scheme			Total Credit	Examination Marks				Total Marks
L	T	P		Theory		Tutorial / Practical		
				ESE (E)	PA / CA (M)	PA/CA (I)	ESE (V)	
0	0	8	4	0	0	50	0	50

1. Objective

Internal Review Phase–II serves as the final departmental-level evaluation of the dissertation work prior to university submission. It ensures that students have completed their research, validated their methodology, and are prepared to present their findings with clarity, rigor, and ethical integrity.



GUJARAT TECHNOLOGICAL UNIVERSITY

Program Name: Master of Engineering

Level: PG

Branch: ALL

Subject Code: ME04000011

Subject Name: Internal Review Phase-II

2. Scope of Work

Students are expected to:

- Demonstrate the complete execution of the proposed research methodology.
- Validate the hypothesis using relevant datasets and performance metrics.
- Analyze results using qualitative and quantitative techniques.
- Draw meaningful conclusions and identify future scope.
- Communicate findings effectively through written and oral formats.

3. Suggested Timeline

Week Range	Milestone
Weeks 1–3	Final implementation and data collection
Weeks 4–6	Result analysis and validation
Weeks 7–8	Report writing and presentation preparation
Week 9	Internal Review and Evaluation

4. Review Report Requirements

The report must include:

- Title page and guide approval
- Abstract and keywords
- Introduction and literature review
- Problem statement and objectives
- Methodology and implementation details
- Results and performance evaluation
- Conclusion and future scope
- References (IEEE format preferred)
- Appendices (if applicable)

5. Evaluation Criteria

Component	Marks	Evaluation Mode
Ethical conduct and data integrity	10	Report + Viva
Hypothesis testing and validation	10	Demonstration + Analysis
Performance evaluation and benchmarking	10	Report + Presentation



GUJARAT TECHNOLOGICAL UNIVERSITY

Program Name: Master of Engineering

Level: PG

Branch: ALL

Subject Code: ME04000011

Subject Name: Internal Review Phase-II

Application of techniques and conclusion derivation	10	Viva + Guide Assessment
Communication of research outcomes	10	Viva + Report Review
Total	50	

6. Roles and Responsibilities

- **Student:** Ensure timely completion, maintain originality, and prepare for review presentation.
- **Guide:** Monitor progress, validate results, and endorse readiness for Phase-II.
- **Review Panel:** Evaluate report, conduct viva, and recommend for final dissertation submission.

7. Additional Notes

- Plagiarism above 20% will result in rejection or mandatory revision.
- Students must maintain a signed progress logbook.
- Projects must reflect technical depth, innovation, and relevance.
- Interdisciplinary and industry-linked projects are encouraged.
