



School of Engineering and Technology
Course Structure for Post Graduate Programme of Master of Technology (Design Engineering)

Semester-I

Sr. No	Code	Course Code	Theory Paper/Practical	Teaching Scheme (Hrs/Week)				C	Duration of University Exam. (Hrs.)	Formative CIA	Summative		Total Marks
				L	T	P	Total				TH	OR / PR	
1.	PC	PDE101	Finite Element Methods	03	01	--	04	4	3	50	50	--	100
2.	PC	PDE102	Advanced Mechanics of Solids	04	--	--	04	4	3	50	50	--	100
3.	PC	17RDP101	Research Methodology	04	--	--	04	4	3	50	50	--	100
4.	PC	PMT106	Transforms, Calculus of Variations and Reliability	03	01	--	04	4	3	50	50	--	100
5.	PC	PDE111	Computation Laboratory-I	--	--	04	04	2	2	25	--	25	50
6.	PC	PDE112	Seminar-I			02	02	1	2	25	--	25*	50
7.	PE	PDE105	Elective-I	04	--	--	04	4	3	50	50	--	100
Total				18	02	06	26	23	--	300	250	50	600

CIA: Continuous Internal Assessment
L: Theory Lecture
T: Tutorial
P: Practical

TH: Theory Exam.
***: Oral Examination**
PC: Programme Core
PE: Programme Elective

Elective-I (any one)
1. Composite Structures
2. Theory of Elasticity and Plasticity
3. Tribology in Design and Manufacturing

Details of Continuous Internal Assessment (CIA)

CIA	Weightage	Description
CIA 1	10%	Home Assignment
CIA 2	20%	Mid-Term Exam (MTE)
CIA 3	10%	Presentation by students
CIA 4	10%	Research Based Activity
TOTAL	50%	



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Semester-II

Sr. No	Code	Course Code	Theory Paper/Practical	Teaching Scheme (Hrs/Week)				C	Duration of University Exam. (Hrs.)	Formative CIA	Summative		Total Marks
				L	T	P	Total				TH	OR / PR	
1.	PC	PDE201	Quality Control & Reliability	04	--	--	04	4	3	50	50	--	100
2.	PC	PDE202	Advanced Vibration & Noise Control	03	01	--	04	4	3	50	50	--	100
3.	PC	PDE203	Optimization Techniques for Engineering Design	04	--	--	04	4	3	50	50	--	100
4.	PC	PDE204	Kinematics & Dynamics of Machines	03	01	--	04	4	3	50	50	--	100
5.	PC	PDE211	Computation Laboratory-II	--	--	04	04	2	2	25	--	25	50
6.	PC	PDE212	Seminar-II	--	--	02	02	1	2	25	--	25*	50
7.	PE	PDE205	Elective-II	04	--	--	04	4	3	50	50	--	100
Total				18	02	06	26	23	--	300	250	50	600

CIA: Continuous Internal Assessment

L: Theory Lecture

T: Tutorial

P: Practical

TH: Theory Exam.

*: Oral Examination

PC: Programme Core

PE: Programme Elective

Elective-II (any one)
1. Fracture Mechanics
2. Acoustic and Noise Control
3. Advanced Engineering Materials

Details of Continuous Internal Assessment (CIA)

CIA	Weightage	Description
CIA 1	10%	Home Assignment
CIA 2	20%	Mid-Term Exam (MTE)
CIA 3	10%	Presentation by students
CIA 4	10%	Research Based Activity
TOTAL	50%	



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Course Structure for Post Graduate Programme of Master of Technology (Design Engineering)
Semester– III

Sr. No	Code	Course Code	Theory Paper/Practical	Teaching Scheme (Hrs/Week)				C	Duration of University Exam. (Hrs.)	Formative CIA	Summative		Total Marks
				L	T	P	Total				TH	OR / PR	
1.	PC	PDE311	Dissertation Stage -I	--	--	40	40	20		50	--	50*	100
Total								20					

CIA: Continuous Internal Assessment
L: Theory Lecture
T: Tutorial
P: Practical

TH: Theory Exam.
***: Oral Examination**
PC: Programme Core

Details of Continuous Internal Assessment (CIA)

CIA	Weightage	Description
CIA 1	10%	Home Assignment
CIA 2	20%	Mid-Term Exam (MTE)
CIA 3	10%	Presentation by students
CIA 4	10%	Research Based Activity
TOTAL	50%	



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School of Engineering and Technology
Course Structure for Post Graduate Programme of Master of Technology (Design Engineering)
Semester– IV

Sr. No	Code	Course Code	Theory Paper/Practical	Teaching Scheme (Hrs/Week)				C	Duration of University Exam. (Hrs.)	Formative CIA	Summative		Total Marks
				L	T	P	Total				TH	OR / PR	
2.	PC	PDE411	Dissertation Stage -II	--	--	40	40	20		50	--	100*	150
Total								20					

CIA: Continuous Internal Assessment
L: Theory Lecture
T: Tutorial
P: Practical

TH: Theory Exam.
***: Oral Examination**
PC: Programme Core

Details of Continuous Internal Assessment (CIA)

CIA	Weightage	Description
CIA 1	10%	Home Assignment
CIA 2	20%	Mid-Term Exam (MTE)
CIA 3	10%	Presentation by students
CIA 4	10%	Research Based Activity
TOTAL	50%	