



PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR
(An Autonomous Institute Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)



SCHEME OF EXAMINATION
B. TECH. MECHANICAL ENGINEERING

AN AUTONOMOUS INSTITUTE

CURRICULUM

UNDER GRADUATE PROGRAMME

B.TECH. MECHANICAL ENGINEERING

WITH EFFECT FROM THE ACADEMIC YEAR 2024-2025.



SCHEME OF EXAMINATION
B. TECH. MECHANICAL ENGINEERING

Semester wise Credit distribution structure for Four Year B.Tech Program - One Major, One Minor

Semester		I	II	III	IV	V	VI	VII	VIII	Total Credits
Basic Science Course	BSC/ESC	08	08	--	--	--	--	--	--	16
Engineering Science Course		07	07	--	--	--	--	--	--	14
Programme Core Course (PCC)	Program Courses	--	02	06	11	14	11	09	06	59
Programme Elective Course (PEC)		--	--	--	--	03	06	007	--	16
Multidisciplinary Minor (MDM)	Multidisciplinary Courses	--	--	02	02	02	04	02	--	12
Open Elective(OE) Other than a particular program		--	--	03	02	02	--	--	--	07
Vocational and Skill Enhancement Course(VSEC)	Skill Courses	02	02	--	02	--	02	--	--	08
Ability Enhancement Course (AEC-01,AEC-02)	Humanities Social Science and Management(HSSM)	02	--	02	02	--	--	--	--	06
Entrepreneurship/Economics/Management Courses)		--	--	02	--	--	--	--	--	02
Indian Knowledge System(ICS)		--	02	--	--	--	--	--	--	02
Value Education Course(VEC)		--	--	02	02	--	--	--	--	04
Research Methodology	Experiential Learning Courses	--	--	--	--	--	--	02	--	02
Comm. Engg. Project (CEP)/Field Project(FP)		--	--	02	--	--	--	--	--	02
Project		--	--	--	--	--	--	04	--	04
Internship/OJT		--	--	--	--	--	--	--	12	12
Co-curricular(CC)	Liberal Learning Courses	02	02	--	--	--	--	--	--	04
Total Credits (Major)		21	23	19	21	21	23	24	18	170

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FIRST SEMESTER

Sr. No.	Course Code	Course Category	BOS/ Dept	Course Name	Contact Hours				Marks				Total Marks
									Theory		Practical		
					L	T	P	Credits	CE	ESE	CE	ESE	
1	24UFY1A1T	BSC	ASH	Basic calculus & differential equations	3	1	0	4	40	60	--	--	100
2	24UFY1B2T	BSC	ASH	Engineering Physics	3	0	0	3	40	60	--	--	100
3	24UFY1B2P	BSC	ASH	Lab: Engineering Physics	0	0	2	1	--	--	25	25	50
4	24UFY1D3T	ESC	CV	Engineering Mechanics	3	0	0	3	40	60	--	--	100
5	24UFY1D3P	ESC	CV	Lab: Engineering Mechanics	0	0	2	1	--	--	25	25	50
6	24UFY1B4T	ESC	ME	Computer Aided Graphics.	1	0	0	1	20	30	--	--	50
7	24UFY1B4P	ESC	ME	Lab: Computer Aided Graphics	0	0	2	1	--	--	25	25	50
8	24UFY1A5P	ESC	ME	Lab: Engineering Workshop	0	0	2	1	--	-	25	25	50
9	24UFY1B6T	AEC	ASH	Communication skills	1	0	0	1	20	30	--	--	50
10	24UFY1B6P	AEC	ASH	Lab: Communicationskills	0	0	2	1	--	--	25	25	50
11	24UFY1A7P	SEC1	ASH	Skill Enhancement in Analytical Techniques	0	1	2	2	--	-	25	25	50
12	24UFY111P	CC1	ASH	Liberal Learning Course:Yoga and Meditation	0	1	2	2	--	-	50	--	50
	24UFY112P			Liberal Learning Course:Physical Education (Sports)									
	24UFY113P			Liberal Learning Course : Music									
	24UFY114P			Liberal Learning Course: National Service Scheme (NSS)									
				Total	11	3	14	21	160	240	200	150	750

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SECOND SEMESTER

Sr. No.	Course Code	Course Category	BOS/ Dept	Course Name	Contact Hours				Marks				Total Marks
									Theory		Practical		
					L	T	P	Credits	CE	ESE	CE	ESE	
1.	24UFY2C1T	BSC	ASH	Advanced Calculus & Statistics	3	1	0	4	40	60	--	--	100
2.	24UFY2A2T	BSC	ASH	Engineering Chemistry	3	0	0	3	40	60	--	--	100
3.	24UFY2A2P	BSC	ASH	Lab: Engineering Chemistry	0	0	2	1	--	--	25	25	50
4.	24UFY2B3T	ESC	CSE	Computer Programming	2	0	0	2	20	30			50
5.	24UFY2A3P	ESC	CSE	Lab: Computer Programming	0	0	2	1	--	--	25	25	50
6.	24UFY2A4T	ESC	EE	Basics of Electrical &Electronic Engineering	3	0	0	3	40	60	--	--	100
7.	24UFY2A4P	ESC	EE	Lab: Basics of Electrical & Electronics Engineering	0	0	2	1	--	--	25	25	50
8.	24UFY221T	PCC	ME	Basics of Mechanical Engineering	2	0	0	2	20	30	--	--	50
9.	24UFY2A5T	IKS	ASH	Indian Traditionalknowledge	2	0	0	2	20	30	--	--	50
10.	24UFY2A6P	SEC2	ASH	Skill Enhancement in Instrumental Techniques	0	1	2	2	--	--	25	25	50
11.	24UFY211P	CC2	ASH	Liberal Learning Course: Creative Arts	0	1	2	2	--	--	50	--	50
	24UFY212P			Liberal Learning Course: Professional Skills									
	24UFY213P			Liberal Learning Course: Photography & Film Making									
	24UFY214P			Liberal Learning Course: Foreign Language (German Or French)									
				Total	15	3	10	23	180	270	150	100	700

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THIRD SEMESTER

Sr. No.	Course Code	Course Category	BOS/ Dept	Course Name	Contact Hours				Marks				Total Marks
									Theory		Practical		
					L	T	P	Credits	CE	ESE	CE	ESE	
1	24UME301T	PCC	ME	Kinematics of Machines	2	0	0	2	20	30	---	---	50
2	24UME302T	PCC	ME	Material Engineering	2	0	0	2	20	30	---	---	50
3	24UME302P	PCC	ME	Lab: Material Testing	0	0	2	1	---	---	25	25	50
4	24UBS303T	MDM	ASH	General Mathematical Techniques	2	0	0	2	20	30	---	---	50
5	24UOE3XXT	OE	ME	Open Elective:01	3	0	0	3	40	60	---	---	100
6	24UBS305T	AEC	ASH	Professional Communication	2	0	0	2	20	30	---	---	50
7	24UBS306T	EMC	ASH	Digital Economy and Management	2	0	0	2	20	30	---	---	50
8	24UBS308T	VEC	ASH	Environmental Sciences	2	0	0	2	20	30	---	---	50
9	24UME309P	PCC	ME	Lab: M/C Drawing & Solid Modeling	0	0	2	1	---	---	25	25	50
10	24UME310P	CEP/FP	ME	Industry Interaction (Visit)	0	0	4	2	---	---	50	---	50
				Total	15	0	8	19	160	240	100	50	550

Open Elective:01	
Course Code	Course Name
24UOE351T	Entrepreneurship Development
24UOE352T	Introduction to Electric Vehicles
24UOE353T	Waste Management
Multidisciplinary Minor :01	
Course Code	Course Name
24UBS303T	General Mathematical Techniques
	General Mathematical Techniques

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FOURTH SEMESTER

Sr. No.	Course Code	Course Category	BOS/ Dept	Course Name	Contact Hours				Marks				Total Marks
									Theory		Practical		
					L	T	P	Credits	CE	ESE	CE	ESE	
1	24UME401T	PCC	ME	Engineering Thermodynamics	2	0	0	2	20	30	--	--	50
2	24UME402T	PCC	ME	Fluid Mechanics and Hydraulic Machines	4	0	0	4	40	60	--	--	100
3	24UME402P	PCC	ME	Lab: Hydraulic Machines	0	0	2	1	--	--	25	25	50
4	24UME403T	PCC	ME	Dynamics of Machine	2	0	0	2	20	30	--	--	50
5	24UME403P	PCC	ME	Lab: Dynamics of Machine	0	0	2	1	--	--	25	25	50
6	24UME404P	VSEC	ME	Lab: Machine learning	0	0	4	2	--	--	25	25	50
7	24UME405P	PCC	ME	Lab: Python programming	0	0	2	1	--	--	25	25	50
8	24UAE405T/ 24URO406T	MDM	AE/ RAI	Multidisciplinary Minor :02	2	0	0	2	20	30	--	--	50
9	24UOE4XXT	OE	ME	Open Elective:02	2	0	0	2	20	30	--	--	50
10	24UBS408T	EMC	ASH	Entrepreneurship Development and Startups	2	0	0	2	20	30	--	--	50
11	24UBS411T	VEC	ASH	Universal Human Values	2	0	0	2	20	30	--	--	50
				Total	16	0	10	21	160	240	100	100	600

Open Elective:02			
S.N.	Course Code	Course Code	
1	24UOE451T	Automobile Engineering	
2	24UOE452T	Project Evaluation & Management	
3	24UOE453T	Project & Cost Management	
Multidisciplinary Minor :02			
S.N.	Course Code	BOS	Course Code
1	24UAE405T	AE	Basics of Aircraft Propulsion
2	24URO406T	RAI	Numerical Python & Pandas

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FIFTH SEMESTER

Sr. No.	Course Code	Course Category	BOS/ Dept	Course Name	Contact Hours				Marks				Total Marks
									Theory		Practical		
					L	T	P	Credits	CE	ESE	CE	ESE	
1	25UME501T	PCC	ME	Manufacturing Processes	3	0	0	3	40	60	--	--	100
2	25UME501P	PCC	ME	Lab: Manufacturing Processes	0	0	2	1	--	--	25	25	50
3	25UME502T	PCC	ME	Strength of Materials	4	0	0	4	40	60	--	--	100
4	25UME502P	PCC	ME	Lab: Strength of Materials	0	0	2	1	--	--	25	25	50
5	25UME503T	PCC	ME	Heat Transfer	3	0	0	3	40	60	--	--	100
6	25UME503P	PCC	ME	Lab: Heat Transfer	0	0	2	1	--	--	25	25	50
7	25UME5XXT	PEC	ME	Program Elective Course :01	3	0	0	3	40	60	--	--	100
8	25UME504P	MDM	ME	Multidisciplinary Minor :03	0	0	4	2	--	--	100	-	100
9	25UOE5XXT	OE	ME	Open Elective :03	2	0	0	2	20	30	--	--	50
10	25UME505P	PCC	ME	Lab: MATLAB Programming	0	0	2	1	--	--	25	25	50
				Total	15	0	12	21	180	270	200	100	750

Open Elective:03		
S.N.	Course Code	Course Name
1	25UOE550T	Industrial Robotics
2	25UOE551T	Introduction to Renewable Energy Sources
3	25UOE552T	Industrial Safety & Environment

Multidisciplinary Minor :03		
S.N.	Course Code	Course Name
1	25UME504P	Employability Enhancement Skills

Program Elective Course: 01		
S.N.	Course Code	Course Name
1	25UME521T	Advanced Manufacturing Techniques
2	25UME522T	Industrial Robotics
3	25UME523T	Internal Combustion Engines
4	25UME524T	Production Planning and Control
5	25UME525T	Material Handling Systems
6	25UME526T	Introduction to Computational Fluid Dynamics

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SIXTH SEMESTER

Sr. No.	Course Code	Course Category	BOS/Dept	Course Name	Contact Hours				Marks				Total Marks
					L	T	P	Credits	CE	ESE	CE	ESE	
1	25UME601T	PCC	ME	Machining Processes	2	0	0	2	20	30	--	--	50
2	25UME601P	PCC	ME	Lab : Machining Processes	0	0	2	1	--	--	25	25	50
3	25UME602T	PCC	ME	Automation in Production	2	0	0	2	20	30	--	--	50
4	25UME602P	PCC	ME	Lab : Automation in Production	0	0	2	1	--	--	25	25	50
5	25UME603T	PCC	ME	Design of Machine Elements	2	0	0	2	20	30	--	--	50
6	25UME604T	PCC	ME	Energy Conversion-I	2	0	0	2	20	30	--	--	50
7	25UME6XXT	PEC	ME	Program Elective Course :02	3	0	0	3	40	60	--	--	100
8	25UME6XXP	PEC	ME	Lab : Program Elective Course :02	0	0	2	1	--	--	25	25	50
9	25UME6XXT	PEC	ME	Program Elective Course :03	2	0	0	2	20	30	--	--	50
10	25UAE606T/ 25URO606T	MDM	RAI/ AE	Multidisciplinary Minor :04	3	0	0	3	40	60	--	--	100
11	25UAE606P/ 25URO606P	MDM	RAI/ AE	Lab : Multidisciplinary Minor :04	0	0	2	1	--	--	25	25	50
12	25UME605P	VSEC	ME	Lab : Tool Designing	0	0	4	2	--	--	50	--	50
13	25UME606P	PCC	ME	Lab : Robot Programming	0	0	2	1	--	--	25	25	50
				Total	16	0	14	23	180	270	175	125	750

Program Elective Course :02

S.N.	Course Code	Course Name
1	25UME621T	Mechatronics
2	25UME621P	Lab :Mechatronics
3	25UME622T	Design of Transmission System
4	25UME622P	Lab :Design of Transmission System
5	25UME623T	Refrigeration and Air-conditioning
6	25UME623P	Lab :Refrigeration and Air-conditioning
7	25UME624T	Computer Integrated Manufacturing Techniques
8	25UME624P	Lab :Computer Integrated Manufacturing Techniques
9	25UME625T	Mechanical Vibrations
10	25UME625P	Lab :Mechanical Vibrations
11	25UME626T	Industrial Fluid Power
12	25UME626P	Lab :Industrial Fluid Power

Program Elective Course:03

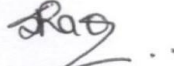
S.N	Course Code	Corse Name
1	25UME631T	Industrial Engineering
2	25UME632T	Synthesis of Mechanisms
3	25UME633T	Automobile Engineering
4	25UME634T	Operation Research
5	25UME635T	Power Plant Engineering
6	25UME636T	Introduction to Cryogenics

Multidisciplinary Minor :04

S.N	Course Code	Course Name
1	25UAE606T	Fundamentals of Aerodynamics
2	25UAE606P	Lab :Fundamentals of Aerodynamics
3	25URO606T	Principles of Robotics
4	25URO606P	Lab :Principles of Robotics



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SEVENTH SEMESTER

Sr. No.	Course Code	Course Category	BOS/ Dept	Course Name	Contact Hours				Marks				Total Marks
									Theory		Practical		
					L	T	P	Credits	CE	ESE	CE	ESE	
1	26UME701T	RM	ME	Research Methodology	2	0	0	2	20	30	--	--	50
2	26UME702T	PCC	ME	Mechanical Measurement & Metrology	2	0	0	2	20	30	-	-	50
3	26UME702P	PCC	ME	Lab: Mechanical Measurement & Metrology	0	0	2	1	--	--	25	25	50
4	26UME703T	PCC	ME	Computer aided Design	2	0	0	2	20	30	--	--	50
5	26UME703P	PCC	ME	Lab: Computer aided Design	0	0	2	1	--	--	25	25	50
6	26UME704T	PCC	ME	Energy Conversion:02	2	0	0	2	20	30	--	--	50
7	26UME704P	PCC	ME	Lab: Energy Conversion:02	0	0	2	1	--	--	25	25	50
8	26UME7XXT	PEC	ME	Program Elective Course: 04	3	0	0	3	40	60	--	--	100
9	26UME7XXP	PEC	ME	Lab: Program Elective Course: 04	0	0	2	1	--	--	25	25	50
10	26UME7XXT	PEC	ME	Program Elective Course: 05	3	0	0	3	40	60	--	--	100
11	26UAE704T/ 26URO705T	MDM	RAI/ AE	Multidisciplinary Minor :05	2	0	0	2	20	30	--	--	50
12	26UME706P	Project	ME	Project	0	0	8	4	--	--	50	50	100
				Total	16	0	16	24	180	270	150	150	750

Programme Elective Course :04		
S.N	Course Code	Course Name
1	26UME721T	Additive Manufacturing
2	26UME721P	Lab: Additive Manufacturing
3	26UME722T	Advanced Finite Element Analysis
4	26UME722P	Lab: Advanced Finite Element Analysis
5	26UME723T	Design of HVAC System
6	26UME723P	Lab: Design of HVAC System
7	26UME724T	Cyber Physical Production Systems
8	26UME724P	Lab: Cyber Physical Production Systems

Programme Elective Course:05		
S.N	Course Code	Course Name
1	26UME731T	IOT in Mechanical Engineering
2	26UME732T	Stress Analysis
3	26UME733T	Renewable Energy Sources

Multidisciplinary Minor :05		
S.N	Course Code	Course Name
1	26UAE704T	Advanced Propulsion System
2	26URO705T	AI Driven Data Insights

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EIGHTH SEMESTER

Sr. No.	Course Code	Course Category	BOS/ Dept	Course Name	Contact Hours				Marks				Total Marks
									Theory		Practical		
					L	T	P	Credits	CE	ESE	CE	ESE	
1	26UME801T	PCC	ME	Design Practice (NPTEL Course)	3	0	0	3	40	60	--	--	100
2	26UME802T	PCC	ME	Advanced Robotics (NPTEL Course)	3	0	0	3	40	60	--	--	100
3	26UME803P	Internship/ OJT	ME	Internship at Industry / Project	0	0	24	12	--	--	150	150	300
				Total	6	0	24	18	80	120	150	150	500

The list for MOOC Courses will be shared at the beginning of semester.

*End Semester Examination will be conducted by Priyadarshini College of Engineering.

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Annexure-1

List of Multidisciplinary Minor Subject
MDM Basket (1) of ME from AE

Sr. No.	Semester	Course Code	Board	Course Name	Credit
1	III	24UBS303T	ASH	General Mathematical Techniques	2
2	IV	24UAE405T	AE	Basics of Aircraft Propulsion	2
3	V	25UME504P	ME	Employability Enhancement Skill	2
4	VI	25UAE606T	AE	Fundamentals of Aerodynamics	3
5	VI	25UAE606P	AE	Lab: Fundamentals of Aerodynamics	1
6	VII	26UAE704T	AE	Advanced Propulsion System	2
				Total	12

MDM Basket (2) of ME from RAI

Sr. No.	Semester	Course Code	Board	Course Name	Credit
1	III	24UBS303T	ASH	General Mathematical Techniques	2
2	IV	24URO406T	RAI	Numerical Python & Pandas	2
3	V	25UME504P	ME	Employability Enhancement Skill	2
4	VI	25URO606T	RAI	Principles of Robotics	3
5	VI	25URO606P	RAI	Lab: Principles of Robotics	1
6	VII	26URO705T	RAI	AI Driven data Insights	2
				Total	12

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Annexure-2
Basket of Open Elective Subjects

Semester III

Sr. No.	Course Code	Course Name OE:01
1.	24UOE351T	Entrepreneurship Development
2.	24UOE352T	Introduction to Electric Vehicles
3.	24UOE353T	Waste Management

Semester IV

Sr. No.	Course Code	Course Name OE:02
1.	24UOE451T	Automobile Engineering
2.	24UOE452T	Project Evaluation & Management
3.	24UOE453T	Project & Cost Management

Semester V

Sr. No.	Course Code	Course Name OE:03
1.	25UOE550T	Industrial Robotics
2.	25UOE551T	Introduction to Renewable Energy Sources
3.	25UOE552T	Industrial Safety & Environment

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Annexure-3
List of Professional Elective Courses (PEC)
Semester-V

Sr. No.	Course Code	Course Name (PEC:01)
1.	25UME521T	Advanced Manufacturing Techniques
2.	25UME522T	Industrial Robotics,
3.	25UME523T	Internal Combustion Engines,
4.	25UME524T	Production Planning and Control
5.	25UME525T	Material Handling Systems
6.	25UME526T	Introduction to Computational Fluid Dynamics

Semester-VI

Sr. No.	Course Code	Course Name (PEC:02)	Course Code	Course Name (PEC:03)
1.	25UME621T	Mechatronics	25UME631T	Industrial Engineering
2.	25UME622T	Design of Transmission System	25UME632T	Synthesis of Mechanisms
3.	25UME623T	Refrigeration and Air-conditioning	25UME633T	Automobile Engineering
4.	25UME624T	Computer Integrated Manufacturing Techniques	25UME634T	Operation Research
5.	25UME625T	Mechanical Vibrations	25UME635T	Power Plant Engineering
6.	25UME626T	Industrial Fluid Power	25UME636T	Introduction to Cryogenics

Semester-VII

Sr. No.	Course Code	Course Name (PEC:04)	Course Code	Course Name (PEC:05)
1.	26UME721T	Additive Manufacturing	26UME731T	IOT in Mechanical Engineering
2.	26UME721P	Lab: Additive Manufacturing	26UME732T	Stress Analysis
3.	26UME722T	Advanced Finite Element Analysis	26UME733T	Renewable Energy Sources
4.	26UME722P	Lab: Advanced Finite Element Analysis		
5.	26UME723T	Design of HVAC System		
6.	26UME723P	Lab: Design of HVAC System		
7.	26UME724T	Cyber Physical Production Systems		
8.	26UME724P	Lab: Cyber Physical Production Systems		

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Annexure-4

B. Tech. Honors in Heating, Ventilation, Air Conditioning & Refrigeration Engineering

Sr. No.	Course Code	Course Category	BOS/ Dept	Course Name	Contact Hours				Marks				Total Marks
									Theory		Practical		
					L	T	P	Credits	CE	ESE	CE	ESE	
1	24UHSME4T	PCC	ME	Applied Thermodynamics and Load Analysis in HVAC&R Systems	3	0	0	3	40	60	--	--	100
2	24UHSME4P	PCC	ME	Lab: Basics of Refrigeration	0	0	2	1	--	--	25	25	50
3	25UHSME5T	PCC	ME	HVAC System Design and Component Selection	3	0	0	3	40	60	--	--	100
4	25UHSME5P	PCC	ME	Lab: Basics of Air-Conditioning	0	0	2	1	--	--	25	25	50
5	25UHSME6T	PCC	ME	HVAC System Integration, Energy Analysis, and Project Documentation	3	0	0	3	40	60	--	--	100
6	25UHSME6P	PCC	ME	Lab: HVAC System Integration, Energy Analysis, and Project Documentation	0	0	2	1	--	--	25	25	50
7	26UHSME7T	PCC	ME	Advanced HVAC Consulting Practice and Capstone Project	3	0	0	3	40	60	--	--	100
8	26UHSME7P	Project	ME	Project	0	0	6	3	--	--	50	50	100
				Total	12	0	12	18	160	240	125	125	650

BOS Chairman
Dr. I. A. Khan

Dean Academics
Dr. (Mrs.) S. N. Rao

Principal
Dr. S.A. Dhale



SCHEME OF EXAMINATION
B. TECH. MECHANICAL ENGINEERING

Annexure-5
**B.Tech. Double Minors (Multidisciplinary)
Refrigeration & Air Conditioning Engineering**

Sr. No.	Course Code	Course Category	BOS/ Dept	Course Name	Contact Hours				Marks				Total Marks
									Theory		Practical		
					L	T	P	Credits	CE	ESE	CE	ESE	
1	24UDMME4T	PCC	ME	Fundamentals of HVAC & Thermofluids	3	0	0	3	40	60	--	--	100
2	24UDMME4P	PCC	ME	Lab: Basics of Refrigeration	0	0	2	1	--	--	25	25	50
3	25UDMME5T	PCC	ME	Applied HVAC Systems and Building Science	3	0	0	3	40	60	--	--	100
4	25UDMME5P	PCC	ME	Lab: Basics of Air-Conditioning	0	0	2	1	--	--	25	25	50
5	25UDMME6T	PCC	ME	Controls, Simulation & Smart HVAC	4	0	0	4	40	60	--	--	100
6	26UDMME7T	PCC	ME	Advanced Topics and Capstone Project	3	0	0	3	40	60	--	--	100
7	26UDMME7P	Project	ME	Project	0	0	6	3	--	--	50	50	100
				Total	13	0	10	18	160	240	100	100	600

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SCHEME OF EXAMINATION
B. TECH. MECHANICAL ENGINEERING

Exit Scheme

Certificate Course After B. Tech First Year (08 credits)

Sr. No.	Course Code	Course Category	BOS/ Dept	Course Name	Contact Hours				Marks				Total Marks
									Theory		Practical		
					L	T	P	Credits	CE	ESE	CE	ESE	
1	24UECCMET	PCC	ME	Introduction to Production Drawing	4	0	0	4	40	60	--	--	100
2	24UECCMEP	PCC	ME	Lab -Auto CAD 2D-Drafting	0	0	8	4	--	--	50	50	100
				Total	4	0	8	08	40	60	50	50	200

Diploma Course After B. Tech Second Year (08 credits)

Diploma Course After B. Tech Second Year (08 credits)													
Sr. No.	Course Code	Course Category	BOS/ Dept	Course Name	Contact Hours				Marks				Total
									Theory		Practical		
					L	T	P	Credits	CE	ESE	CE	ESE	Marks
1	25UEDCMET	PCC	ME	Fundamental of Casting and Welding	4	0	0	4	40	60	--	--	100
2	25UEDCMEP	PCC	ME	Lab: Hands on Training on CAM	0	0	8	4	--	--	50	50	100
				Total	4	0	8	08	40	60	50	50	200

B. Vocational Course After B. Tech Third Year (08 Credits)

B. Vocational Course After B. Tech Third Year (08 Credits)													
Sr. No.	Course Code	Course Category	BOS/ Dept	Course Name	Contact Hours				Marks				Total Marks
									Theory		Practical		
					L	T	P	Credits	CE	ESE	CE	ESE	
1	26UEBVMET	PCC	ME	Automobile Engineering	4	0	0	4	40	60	--	--	100
2	26UEBVMEP	PCC	ME	Lab: CAD Modeling of Automobile Component	0	0	8	4	--	--	50	50	100
				Total	4	0	8	08	40	60	50	50	200

*Abbreviation: E: Exit Course, CC: Certificate Course, DC: Diploma Course, BV: B. Vocational

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