

Program Structure for Diploma in Mechanical Engineering (Batch 2025-28)					
Year of the Programme: First Year AY 2025-26					
Semester - I			Semester -II		
S. No.	Course	Credits	S. No.	Course	Credits
1	Mathematics-I	4	1	Mathematics-II	4
2	Applied Physics-I	3	2	Applied Physics-II	3
3	Applied Chemistry	2	3	Introduction to Electrical and Electronics Engineering	3
4	Engineering Drawing	3	4	Engineering Mechanics	4
5	Computer Programming	3	5	Introduction to Object Oriented Programming	3
6	Communication Skills	2	6	Applied Physics-II Lab	1
7	Engineering Workshop Practice	1	7	Introduction to Electrical and Electronics Engineering Lab	1
8	Applied Physics-I Lab	1	8	Social and Life Skills	1
9	Applied Chemistry Lab	1			
	<b>Total</b>	<b>20</b>		<b>Total</b>	<b>20</b>
Year of the Programme: Second Year AY 2026-27					
Semester - III			Semester -IV		
S. No.	Course	Credits	S. No.	Course	Credits
1	Mathematics-III	4	1	Basic Manufacturing Processes	3
2	Elements of Mechanical Engineering	3	2	Engineering Metrology and Measurements	4
3	Basic Thermodynamics	4	3	Theory of Machines	4
4	Production Drawing	3	4	Fluid Mechanics and Hydraulic Machinery	4
5	Solid Mechanics	4	5	Entrepreneurship Development and Startups	2
6	Materials Engineering and Metallurgy	4	6	Manufacturing Workshop	1
7	Community Engagement	0	7	Internship	4
	<b>Total</b>	<b>22</b>		<b>Total</b>	<b>22</b>
Year of the Programme: Third Year AY 2027-28					
Semester - V			Semester - VI		
S. No.	Course	Credits	S. No.	Course	Credits
1	Introduction to Hydraulics and Pneumatics	4	1	Machine Design	4
2	Computer Aided Design and Manufacturing	4	2	Refrigeration and Air Conditioning	4
3	Industrial Engineering and Quality Control	4	3	Modern Manufacturing Processes	3
4	Indian Constitution	0	4	Environmental Science and Sustainability	2
5	Automobile Engineering	3	5	Capstone Project Execution	4
6	Capstone Project Planning	2	6	Department Elective-II	3
7	Department Elective-I	3			
	<b>Total</b>	<b>20</b>		<b>Total</b>	<b>20</b>
	<b>Total Credits</b>	<b>124</b>			
	<b>Total No of Courses</b>	<b>44</b>			