

Syllabus of Mechanical Engineering

Subjects in 1st year are common to all branches.

THEORY	SESSIONALS
Mathematics-I	Engineering Drawing-I
Physics-I	'C' Programming Lab
Chemistry-I	Workshop Practice-I
Mechanics-I	Physics Laboratory
Basic Electrical Engineering	Chemistry Laboratory
Communicative English	Communication Practice Laboratory-II
Thermodynamics	Engineering Drawing-II
Basic Electronic Engineering	Data Structure in 'C' Laboratory
Programming in 'C'	Workshop Practice-II
Mathematics-II	Communication Practice Laboratory-II
Business Communication In English	
Data Structure Using 'C'	

3rd Semester

THEORY	SESSIONALS
Mathematics-III	Basic Electrical Engineering Laboratory
Fluid Mechanics & Hydraulic Machines	Object Oriented Programming Laboratory
Physics-II	Machine Dynamics Hydraulic Machine Lab.
Machine Dynamics-I	Workshop-III
Object Oriented Programming Using C++	
Organizational Behaviour	

4th Semester

THEORY	SESSIONALS
Mathematics-IV	Basic Electronics Laboratory
Electrical Machines	Relational Database Management System Laboratory
Materials Sciences	Mechanical Engineering Lab.
Relational Database Management System	Material Testing & Heat Power Lab.
Engineering Economics and Costing	
Mechanics of Materials-I	

5th Semester

THEORY	SESSIONALS
Optimization Engineering	Hydraulic Machines & Production Lab.
Manufacturing Science-I	Material Testing & Heat Power Lab.
Engineering Thermodynamics	Design Project-I
Introduction to Physical Metallurgy	

Machine Dynamics -II	
Machine Design-I	

6th Semester

THEORY	SESSIONALS
Product and Operation Management	IC Engine & Dynamics Lab.
Internal Combustion Engine & Gas Turbines	Heat Transfer & Production Lab.
Mechanics of Materials	Design Project-II
Machine Design-II	
Heat Transfer	
Manufacturing Science-II	

7th Semester

THEORY	SESSIONALS
Environmental Engineering	Project
Metrology, Quality Control & Reliability	Seminar
Refrigeration & Air Conditioning	Refrigeration & Air Conditioning & Mechanical
Mechanical Measurement & Control	Measurement Lab.
Computer Aided Design / Automobile Engineering	
Product Design & Product Tooling	

8th Semester

THEORY	SESSIONALS
Marketing Management	Project
Simulation ,Modeling & Control	Seminar
Mechanical Vibration	Entrepreneurship Project
Finite & Boundary Elements	Comp. Viva Voice