

1st & 2nd Semester

Manufacturing Processes	
Subject Code: ME-101N	
COURSE OUTCOMES	
CO1	Students will be able to understand about the engineering materials, properties and application areas.
CO2	To understand types of accidents, causes and safety methods to be used in industries.
CO3	To understand the principles and method of casting of liquid materials such as molten metal's.
CO4	To understand the principles and method of manufacturing process of forming materials into shapes.
CO5	To understand the importance, types and advantages of the plant layout and different machine tools used in industries.
CO6	Students will be able to understand the principles and method of material joining processes and application.

ENGINEERING GRAPHICS & DESIGN	
ME-105 N	
OUTCOMES	
CO1	To develop ability to use engineering drawing apparatus, techniques.
CO2	To understand the projection and their types along with symbolic representation of lines and materials.
CO3	Draw Orthographic projections of Lines, Planes, and Solids
CO4	Draw Sections of various Solids including Cylinders, cones, prisms and pyramids
CO5	To develop ability to draw development of solid's surfaces.
CO6	Draw projections of lines, planes, solids and sections of solids including cylinders, cones, prisms and pyramids using AutoCAD

Seth Jai Parkash Mukand Lal Institute of Engineering & Technology
Department of Mechanical Engineering

Engineering Workshop Lab	
Subject Code: ME-107N	
COURSE OUTCOMES	
CO1	Ability to understand the applications of hand tools, measuring tools and cutting tools.
CO2	Comprehend the safety measures required to be taken while using the tools.
CO3	Ability to prepare different prototypes of fitting and carpentry joints.
CO4	Ability to prepare different prototypes of welding joints.
CO5	Ability to understand the different machine tool operations and preparing prototypes on them.
CO6	Ability to understand foundry tools and processes and preparing different castings and molds.