

MVSR Engineering College, Nadergul.

Department of Mechanical Engineering

COURSE OUTCOMES

Class: B.E.IV Year II Sem (Mech. Engg.)

Name of the Course: **PRODUCT DESIGN AND PROCESS PLANNING**

Course Code: ME 458

At the end of the course student is able to

No.	Outcome	PO, SPOs
M458.1	Identify the functions of design of a product in a system in a given situation and select a suitable product ; identify the procedure for technological innovation of a product; explain the importance of brainstorming and Delphi techniques in innovation	2,3,6,7,12
M458.2	Explain the importance of design, human machine interaction in project selection and evaluation methods including ergonomic considerations	2,3,5,6,7
M458.3	Explain the importance of research in new product development; describe the process of patenting including search of patents, patent laws and international code and discriminate the scope of IPR for a product patent.	2,3,6,7,10,12
M458.4	Discuss the features of design of a new product with respect to manufacture, quality testing and marketing; and steps to evaluate a new product for introduction;	1,3,7,11
M458.5	Develop process planning including creating process sheets; explain value engineering, group technology and concurrent engineering in the selection of manufacturing process.	1,2,3,6,11,12