

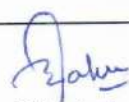
SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline:	Semester:	Name of the Teaching Faculty:
Subject:	No of Days/per week class allotted:	Semester from Date: to Date: No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	Define powder metallurgy process
	2nd	DO
	3rd	DO
	4th	State advantages of powder metallurgy technology technique
	5th	DO
2nd	1st	DO
	2nd	Describe the methods of producing components by powder metallurgy technique.
	3rd	DO
	4th	DO
	5th	DO
3rd	1st	Explain sintering.
	2nd	DO
	3rd	DO
	4th	Economics of powder metallurgy.
	5th	Describe Press Works: blanking, piercing and trimming.
4th	1st	List various types of die and punch
	2nd	Explain simple, Compound & Progressive dies
	3rd	DO
	4th	Describe the various advantages & disadvantages of above dies
	5th	Define jigs and fixtures
5th	1st	State the principle of locations Describe the methods of location with respect to 3-2-1 point
	2nd	location of rectangular jig
	3rd	DO
	4th	List various types of jig and fixtures
	5th	DO


Sign of Faculty


HOD


Principal

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline: <i>Mechanical</i>	Semester: <i>3rd</i>	Name of the Teaching Faculty: <i>Ashutosh Sadpathy</i>
Subject: <i>PT</i>	No of Days/per week class allotted:	Semester from Date: 15.09.2022 to Date: _____ of Weeks: _____
Week	Class Day	Theory/Practical Topics
1st	1st	Extrusion: Definition & Classification
	2nd	Explain direct, indirect and impact extrusion process.
	3rd	Define rolling. Classify it.
	4th	Differentiate between cold rolling and hot rolling process.
	5th	List the different types of rolling mills used in Rolling process.
2nd	1st	Define welding and classify various welding processes
	2nd	Explain fluxes used in welding
	3rd	Explain Oxy-acetylene welding process.
	4th	Explain various types or names used in Oxy-acetylene welding process.
	5th	Explain Arc welding process.
3rd	1st	Specify arc welding electrodes.
	2nd	Define resistance welding and classify it.
	3rd	Describe various resistance welding processes such as butt welding, spot welding, flash welding, projection welding and
	4th	Explain TIG and MIG welding process
	5th	State different welding defects with causes and remedies
4th	1st	Define Casting and Classify the various Casting processes.
	2nd	Explain the procedure of Sand mould casting.
	3rd	Explain different types of molding sands with their composition and properties.
	4th	Classify different pattern and state various pattern allowances. Classify core.
	5th	Describe construction and working of cupola and crucible
5th	1st	Explain die casting method.
	2nd	Explain centrifugal casting such as true centrifugal casting, centrifuging with advantages, limitation and area of application.
	3rd	Explain various casting defects with their causes and remedies.
	4th	DO
	5th	DO

AS 13.9.22
Sign of Faculty

ASW
HOD *13.9.22*

Asah
Principal