

GOVT. POLYTECHNIC MAYURBHANJ
LESSON PLAN OF INDUSTRIAL METALLURGY ACADEMIC YEAR (2025-26)

Discipline: Metallurgy Engineering			Semester: 4th semester	Name of the Teaching Faculty: SUBRAT KUMAR BEHERA
Subject: INDUSTRIAL METALLURGY LAB			No of Period /Week class allotted: 08	Semester from Date: 22/12/2025 to 18/04/2026
Sub Code: MTPC208				

Month	Week	Day	Unit	Topic
DECEMBER	5 TH	3 RD		Briefing about the Syllabus
JANUARY	1 ST	4 TH		NEW YEAR
	2 ND	3 RD	EXPERIMENT - 1	To study the Comparison of Temperature Measurement Using Thermocouple and Pyrometer
		4 TH		To study the Comparison of Temperature Measurement Using Thermocouple and Pyrometer
	3 RD	3 RD		MAKAR SANKRANTI
	4 TH	4 TH		Lab record Write
		3 RD		Lab record Write
	5 TH	4 TH		Lab Record Submission & record check
		3 RD		Lab record submission & record check
		4 TH		To study the Comparison of Brazing and Soldering Techniques in Metal Joining
FEBRUARY	1 ST	3 RD	EXPERIMENT-2	To study the Comparison of Brazing and Soldering Techniques in Metal Joining
	2 ND	4 TH		Lab record Write
		3 RD		Lab record Write
	3 RD	4 TH		Lab Record Submission & check
		3 RD		Lab Record Submission & check
	4 TH	4 TH		To study corrosion and evaluate corrosion behavior of metals using: Weight Loss Method, Electrochemical Techniques, Salt Spray Test,
		3 RD	EXPERIMENT-3	To study corrosion and evaluate corrosion behavior of metals using: Weight Loss Method Electrochemical Techniques, Salt Spray Test, Humidity Chamber Test, Galvanic Corrosion Test
		4 TH		To study corrosion and evaluate corrosion behavior of metals using: Humidity Chamber Test, Galvanic Corrosion Test
MARCH	2 nd	3 RD	EXPEI EXPERIMENT-3	HOLI
		4 TH		To study corrosion and evaluate corrosion behavior of metals using: Humidity Chamber Test, Galvanic Corrosion Test
		3 RD		Lab record Write
	3 rd	4 TH		Lab record Write
		3 RD		Lab Record Submission & check
	4 th	4 TH		Lab Record Submission
		3 RD		Lab record check
	5 th	4 TH		RAMA NAVAMI

APRIL	1 ST	3 RD		To prepare pellets by powder metallurgy technique involving: Mixing of metallic and ceramic, Compaction, Pellet formation, Sintering
	2 ND	4 TH		To prepare pellets by powder metallurgy technique involving: Mixing of metallic and ceramic, Compaction, Pellet formation, Sintering
		3 RD		Lab Record Submission & check
	3 RD	4 TH		Lab Record Submission & check
		3 RD		Viva Voice