

Lesson Plan

Subject Mechanical Engineering Lab (SDE) (SDE) Pr. 2 Name of faculty Sangram Prasad
 Semester 3rd Class allotted 4 P/W Branch Mechanical Engineering

Discipline	Semester	From date:	To date:	Teaching Aid
Subject:	No. of days/ per week	Theory/ Practical - Topics/Lesson		
Week	Date/Period			
1	15/09/2022 to 16/09/2022	Determine end reactions in a simply supported beam using parallel force apparatus. (Detailed Explanation)		white board & Marker
2	19/09/2022 to 24/09/2022	Determine end reactions in a simply supported beam using parallel force apparatus. (Experimental Analysis)		white board & Marker
3	26/09/2022 to 01/10/2022	Determination of Young's Modulus using Searle's apparatus. (Detailed Explanation)		white board & Marker
4	10/10/2022 to 15/10/2022	Determination of Young's Modulus using Searle's apparatus. (Experimental Analysis)		white board & Marker
5	19/10/2022 to 22/10/2022	Determination of torsional rigidity of the shaft using torsion testing machine. (Detailed Explanation)		white board & Marker
6	25/10/2022 to 29/10/2022	Determination of torsional rigidity of the shaft using torsion testing machine. (Experimental Analysis)		white board & Marker
7	31/10/2022 to 05/11/2022	Determine of Salient points (Young's modulus, yield point, Fracture point) from stress-strain curve using UTM. (Detailed Explanation)		white board & Marker

Signature of HOD

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Week	Date/Period	Theory/ Practical - Topics/Lesson	Teaching Aid
8	07/11/2022 to 12/11/2022	Determination of Salient points (Young's modulus, yield point, fracture point) from stress-strain curve using UTM. (Experimental Analysis)	white board & Marker
	14/11/2022 to 19/11/2022	Determination of hardness numbers by Rockwell/Vickers hardness testing Machine. (Detailed Explanation)	white board & Marker
10	21/11/2022 to 26/11/2022	Determination of hardness numbers by Rockwell/Vickers hardness testing Machine (Experimental Analysis)	white board & Marker
	28/11/2022 to 03/12/2022	Determination of toughness using Impact testing machine (Charpy/Izod) (Detailed Explanation)	white board & Marker
12	05/12/2022 to 10/12/2022	Determination of toughness using Impact testing machine (Charpy/Izod) (Experimental Analysis)	white board & Marker
	12/12/2022 to 17/12/2022	Determination of flash point & fire point. (Detailed Explanation)	white board & Marker
14	19/12/2022 to 22/12/2022	Determination of flash point & fire point. (Experimental Analysis)	white board & Marker
	23/12/2022 to 24/12/2022	Joule's Experiment. (Detailed Explanation & Experimental Analysis)	white board & Marker

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