Lesson Plan

Subject Engg. Mechanics (Code) Th-4 Name of faculty Satyabrata Khilar

Semester 1st Class allotted 4 P/W (55/60) Branch Mechanical engg Engineering

Discipline	Semester	From date: To date:	Teaching Aid
Subject:	No. of days/ per week :	Theory/ Practical –Topics/Lesson	
Week	Date/Period		
1	25-10-22 to 29-10-22	Fundamentals: Definition of Mechanics, Statics, Dynamics Force System: Definition, classification, characteristics, Transmissibility superposition.	White board & Marker
2	31-10-22 to 5-11-22	Concept of FBD. Resolution of force: Def^n, Method. Types of component of force. Composition of forces ⇒ Def^n, Resultant law of parallelogram & Resolution	White board & Marker
3	7-11-22 to 12-11-22	Graphical Method ⇒ Introduction, Space dig, Vector dig, polygon law. Resultant of concurrent, Non concurrent, Parallel force system by Analytical & Graphical Method.	White board & Marker
4	14-11-22 to 19-11-22	Moment of force ⇒ Def^n, meaning classification, law of moments. Varigon's theorm, properties of couple. Eq^m def^n, condition. Analytical & Graphical Representation	White board & Marker
5	21-11-22 to 26-11-22	• Lami's theorm ⇒ Statement ⇒ Application for solving engineering problem ↳ Friction ⇒ Definition, frictional force.	White board & Marker
6	28-11-22 to 3-12-22	• Limiting of frictional force, coefficient of angle of friction & Repose. Law of friction, Advantage & disadvantage of friction. • Eq^m of bodies on level plane.	White board & Marker
7	5-12-22 to 10-12-22	• Force applied on horizontal • Inclined plane (Up & down)	White board & marker

12/09/22
Signature of HOD

Khilar
Signature of faculty