LESSON PLAN				
Discipline: **Metallurgy Engineering**			Semester:**6th semester**	Name of the teaching faculty: **Mr Tushar DasPattanayak**
Subject:**Mechanical Metallurgy** Sub code: **Th 2**			No of days / week class allotted:**02/week**	Semester from Date: **16-01-2024 to 26-04-2024** No of weeks:**15**
Month	**Week**	**No of periods available**	**Class Day**	**Theory topics to be covered**
JANUARY	1st	02P	16-01-2024	Explain basic behavior of metal
			17-01-2024	Explain type of dislocation
	2nd	01P	24-01-2024	Explain slip and twinning
	3rd	02P	30-01-2024	Explain deformation of metal elastic and plastic
			31-01-2024	Explain yielding criteria
FEBRUARY	1st	02P	06-02-2024	Derive critically resolved shear stress
			07-02-2024	Explain deformation of polycrystalline aggregates
	2nd	01P	13-02-2024	Explain strengthening mechanism
	3rd	02P	20-02-2024	Explain the role of grain boundary strengthening
			21-02-2024	Explain hall petch equation
	4th	02P	27-02-2024	Explain yield point phenomenon
			28-02-2024	**Class test**
MARCH	1ST	01P	06-03-2024	Explain strain aging

	2nd	02P	12-03-2024	Explain solid solution strengthening from fine particles
			13-03-2024	Explain fiber strengthening
	3rd	02P	19-03-2024	Explain martensitic strengthening
			20-03-2024	Explain strain hardening
	4th	01P	27-03-2024	Explain bauschinger's effect
APRIL	1st	02P	02-04-2024	Explain fundamental of metalworking
			03-04-2024	Explain type of metal working process
	2nd	02P	09-04-2024	Explain hot working of metal and alloys
			10-04-2024	Explain cold working of metal and alloys
	3rd	01P	16-04-2024	Explain advantage of hot and cold working
	4th	02P	23-04-2024	Explain disadvantages of hot and cold working
			24-04-2024	**Revision**

Tushar 16/04/24

PREPARED BY
Tushar Daspattanayak,
Sr. LECT. (Met)
OSME, KEONJHAR

Tushar 16/04/24

HOD
METALLURGY ENGINEERING
OSME, KEONJHAR

PRINCIPAL
OSME, KEONJHAR