LESSON PLAN-6TH SEMESTER (2021)				
SUBJECT:**MECHANICAL METALLURGY(TH2)**				
NAME OF THE FACULTY: **ARABINDA NAYAK**				
MONTH	**MODULE/UNIT**	**COURSE TO BE COVERED**	**CLASSES REQUIRED**	**AFTER COMPLETION OF THE UNIT , STUDENTS WILL HAVE A KNOWLEDGE ABOUT**
APRIL	**UNIT-1**	**Dislocation, types, its basic behavior & role in deformation**	08	PLASTIC AND ELASTIC DEFORMATION, SCREW ,EDGE DISLOCATION,BURGER VECTOR ,SLIP SYSTEMS ETC.
	UNIT-2	**Deformation of metals**	08	DIFFERENT YIELDING CRITERIA(TRESCA,VON MISES'S)
	UNIT-3	**Strengthening mechanism**	10	STRENGTHENING MECHANISMS(GRAIN BOUNDARY STRENGTHENING,WORK HARDENING
MAY	**UNIT-4**	**Fundamentals of Metal working**	06	TYPES OF METAL WORKING PROCESSES (HOT,COLD AND WARM)
	UNIT-5	**Recovery, recrystallization and grain growth**	04	MICROSTRUCTURAL CHANGES DURING ANNEALING
	UNIT-6	**Rolling .**	06	MAXIMUM REDUCTION IN THICKNESS POSSIBLEIN ROLLING, ANGLE OF BITE DEFECTS IN A ROLLING PROCESS
JUNE	**UNIT-7**	**Forging**	05	FORGING TYPES APPLICATION AND DEFECTS
	UNIT-8	**Extrusion**	05	EXTRUSION(TYPES APPLICATION AND DEFECTS)
JULY	**UNIT-9**	**Wire drawing**	04	WIRE DRAWING PROCESS(APPLICATION AND DEFECTS)
	UNIT-10	**Forming methods**	04	FORMING METHODS(TYPES APPLICATION AND DEFECTS)