

Lesson Plan I

Name of Faculty...: ANIL JAIN
 Discipline : Automobile Engg.
 Semester : 4th Semester
 Subject : MT - II
 Lesson Plan Duration : 15 weeks (9th Jan, 2018 to April 18)
 Work load (Lecture) : Lecture - 04, Practical - Nil.

Week	Theory		Week	Theory	
	Lect. Day	Topic		Lect. Day	Topic
1 st	I	Introduction, & Types of drills	7 th	I	operations of Planing machine
	II	Description of Drill Bits		II	Introduction to Grinding & their types
	III	Portable drill m/c - & Bench Drill m/c		III	Cylindrical & Centerless Grinding
	IV	Pillar & radial drill m/c		IV	— do —
2 nd	I	speeds & feeds of Drill m/c	8 th	I	Surface Grinders
	II	Drill chucks		II	— do —
	III	Accessories of Drill m/c's		III	Types of Grinding wheels
	IV	Reaming, Introduction to boring		IV	Specifications & Grades of Grinding wheels
3 rd	I	Types of Boring m/c	9 th	I	Selection of Grinding wheel
	II	Specifications of Boring m/c		II	Balancing & Storage of Grinding wheels
	III	Boring bars & Heads		III	Lapping & Honing operation
	IV	Introduction to milling m/c		IV	Super finishing & their applications
4 th	I	Types of milling m/c's	10 th	I	Types of abrasives used
	II	— do —		II	selection of Grinding wheels
	III	operations of milling m/c		III	Ind Sessional
	IV	— do —		IV	Introduction to Gear Cutting
5 th	I	Speeds & Feeds of milling m/c	11 th	I	Gear Shaving Process
	II	Indexing of milling m/c		II	Gear Cutters & Coolants
	III	— do —		III	— do —
	IV	1st Sessional		IV	Introduction to CNC m/c
6 th	I	Types of milling cutters	12 th	I	CNC Control Systems
	II	Introduction to Planing & their types		II	— do —
	III	Types of Planing m/c		III	Advantages of CNC System
	IV	operations of Planing m/c		IV	Productivity, accuracy & cost of CNC

Week	Theory	
	Leet. Day	Topic
13 th	I	Introduction to welding their types
	II	Types of welding Processes
	III	— do —
	IV	— do —
14 th	I	Selection of electrodes & filler metals
	II	Types of welding defects & their remedies
	III	Soldering & brazing Processes & applications
	IV	special welding processes for stainless steel & aluminium.
15 th	I	Types of Coolants for various machining processes
	II	Types of lubricants for various machining processes
	III	— do —
	IV	III - sessional