Name	LESSON PLAN SUMMER-2022   Name of Faculty: Rupa Bhengraj Sub Advance Manufacturing Process (6TH) Branch- Mech. Engg.									
	Name of Faculty: Rupa Bhengraj Sub Advance Manufacturing Process (6 ГН) Branch- Mech. Engg.   SEMESTER-(FROM -1.10.2022 TO-30.01.2022 No. OF WEEKS = 15									
	Week	No. of Days/Week Class alloted: 4	CHAPTER	TOPIC NAME	NO OF PERIOD S					
1		1st		Introduction to uncoventional machning & comparison with traditional machining process	1					
2	1st	2nd	- - - - - - - - - -	Ultrasonic Machining: Working principle, Description of equipment, applications.	1					
3		3rd		Advantage, limitations & applications of Ultrasonic Machining	1					
4		4th		Electric Discharge Machining: Working principle, Description of equipment, Dielectric fluid, tools (electrodes),	1					
5		1st		Process parameters, Output characteristics, applications.	1					
6	2nd	2nd		Wire cut EDM: Principle, Description of equipment,	1					
7		3rd		Controlling parameters, advantage, limitations applications.	1					
8		4th		Abrasive Jet Machining:Working principle, description of equipment,	1					
9		1st		Material removal rate, application.	1					
10	3rd	2nd	01	Laser Beam Machining: Working principle, description of equipment,	1					
11	510	3rd		Material removal rate, Advantage, limitations & application.	1					
12		4th	1	Electro Chemical Machining: Working principle, description of equipment,	1					
13		1st	]	Material removal rate, Advantage, limitations & application.	1					
14	4th	2nd		Plasma Arc Machining – Working principle, description of equipment,	1					
15	τui	3rd	1	Material removal rate, Process parameters,	1					
16		4th		Performance characterization, Advantage, limitations & Applications.	1					
17		1st 2nd	-	Electron Beam Machining - Working principle, description of equipment,	1					
18	5th			Material removal rate, Process parameters,	1					
19	511	3rd		Performance characterization, Advantage, limitations & Applications.	1					
20		4th		Class Test	1					
21		1st	- 	Introduction to Processing of plastics.	1					
22	6th	2nd		Moulding processes: Injection moulding, ,	1					
23		3rd		Compression moulding	1					
24 25		4th 1st		Transfer moulding. Extruding process- Casting	1					
25		2nd		Calendering	1					
27	7th	3rd		Fabrication methods-Sheet forming,Blow moulding	1					
28		4th		Laminating plastics (sheets, rods & tubes), Reinforcing.	1					
29		1st		Reinforcing	1					
30	8th	2nd		Applications of Plastics.	1					
31		3rd		Introduction to Additive Manufacturing	1					
32 33		4th	Module-03	Need of Additive Manufacturing AM Bracess Chain	1					
33	~	1st 2nd		Fundamentals of Additive Manufacturing, AM Process Chain AM Process Chain	1					
35	9th	3rd		Advantages and Limitations of AM	1					
36		4th		Classification of AM process	1					
37		1st		Fundamental Automated Processes	1					
38	10th	2nd		Distinction between AM and CNC	1					
39 40		3rd 4th		Application of AM in Design, Aerospace Industry Application of AM inAutomotive Industry, JewelryIndustry, Arts and Architecture	1					
40	11th	1st		Application of AM in RP Medical and Bioengineering	1					
42		2nd		Web Based Rapid Prototyping Systems	1					
43		3rd		Concept of Flexible manufacturing process,	1					
44		4th		Concurrent engineering,	1					
45		1st		Production tools like capstan and turret lathes using rapid prototyping processes.	1					
46	12th	2nd 3rd		Introduction to SPM	1					
47 48		3rd 4th		Concept of SPM, General elements of SPM,	1					
40		1st		Productivity improvement by SPM	1					
50	13th	2nd		Principles of SPM design	1					
51	1301	3rd		Examples of SPM	1					
52		4th	L	Class Test	1					

53		1st	Module-05	Types of maintenance	1	
54	14th	2nd		Repair cycle analysis	1	
55	1411	3rd		Repair complexity	1	
56		4th		Maintenance manual, Maintenance records	1	
57		1st		Housekeeping	1	
58	15th	2nd		Introduction to Total Productive Maintenance (TPM)	1	
59		3rd		Previous year question paper discussion	1	
60		4th		Class Test	1	
	Total					