

## LESSON PLAN

<b>Subject Name- Non-Traditional machining</b>	<b>Branch- Production Engineering</b>
<b>Subject Code- BPE 2702</b>	<b>Semester- 7<sup>th</sup></b>

<b>S/N</b>	<b>Module</b>	<b>Topic(s)</b>	<b>Period/ Hours</b>
1	I	Introduction:Need forNon-traditionalMachining	1
2	I	Ultrasonicmachining	2-3
3	I	Analysisfor MaterialRemovalRate	3-5
4	I	Effectofprocessparameters	6-7
5	I	Tutorial	8-9
6	I	Problem solving	10
7	II	Abrasive JetMachining	11
8	II	Variables in AJM	12-13
9	II	WaterJetMachining	13-14
10	II	ElectrochemicalMachining	15
11	II	DynamicsofECM process	16-17
12	II	Electro–chemicalgrinding	18
13	II	DebarringandHoning	19
14	II	Tutorial	20
15	II	Problem solving	21
16	III	ElectroDischargeMachining	22

<b>S/N</b>	<b>Module</b>	<b>Topic(s)</b>	<b>Period/ Hours</b>
17	III	Analysisofrelaxationcircuits	23-24
18	III	Machiningaccuracyand surfacefinish,ToolMaterial	25-26
19	III	Dielectricfluid,Applicationlimitation	27-28
20	III	LaserBeamMachining	29
21	III	Principleof Ruby laser	30
22	III	Tutorial	31
23	IV	ElectronBeamMachining	32-34
24	IV	IonBeamMachining	35-36
25	IV	PlasmaArcMachining	37-39
26	IV	Tutorial	40