**Lesson Plan**

**Name of faculty: Visiting Faculty**

**Discipline: Mechanical**

**Semester: 2nd Sem.**

**Subject: Engg. Workshop (Only Practicals)**

Lesson Plan Duration: 15 weeks (from January, 2018 to April, 2018)

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| **Week** | **Practical** |
|  | **Practical day** | **Topic** |
| 1st |  | To study different types of measuring tools used in metrology and determine least counts of Vernier calipers, micrometers and Vernier height gauges  |
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| 2nd |  | To study different types of machine tools (lathe, shape, milling, drilling machines |
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| 3rd |  | Checking of files and Viva Voce and remedial measures regarding the practical performed ( If any) |
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| 4th |  | To prepare a job on a lathe involving facing, outside turning, taper turning, step turning, radius making and parting-off |
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| 5th |  | To study different types of fitting tools and marking tools used in fitting practice |
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| 6th |  | Checking of files and Viva Voce and remedial measures regarding the practical performed ( If any) |
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| 7th |  | To prepare joints for welding suitable for butt welding and lap welding.  |
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| 8th |  | To perform pipe welding.  |
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| 9th |  | Checking of files and Viva Voce and remedial measures regarding the practical performed ( If any) |
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| 10th |  | To study various types of carpentry tools and prepare simple types of at least two wooden joints |
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| 11th |  | To prepare simple engineering components/ shapes by forging |
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| 12th |  | Checking of files and Viva Voce and remedial measures regarding the practical performed ( If any) |
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| 13th |  | To prepare horizontal surface/ vertical surface/ curved surface/ slots or V-grooves on a shaper/ planner |
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| 14th |  | To prepare a job involving side and face milling on a milling machine |
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| 15th |  | Checking of files and Viva Voce and remedial measures regarding the practical performed ( If any) |
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