

**UTKAL GOURAV MADHUSUDAN INSTITUTE OF TECHNOLOGY, RAYAGADA**

**Department of ELECTRICAL ENGINEERING**

**Academic Lesson Plan for 5TH Semester - 2022 (Winter)**

**Subject: MECHANICAL WORKSHOP PRACTICE (PR 3)**

**Name of the Teaching Faculty :- Er. Rajendra Mohanty .**

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| <b>SEMESTER FROM</b><br><b>DATE:15/09/2022 TO</b><br><b>DATE:22/12/2022</b> | <b>No. of periods per week: 6</b><br><b>NO.OF WEEKS:15</b><br><b>Total periods: 90</b> | <b>Sessional Exam. : 25 Marks</b><br><b>End Semester Exam.: 50 Marks</b><br><b>Total Marks: 75 Marks</b> |
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| <b>WEEK</b>      | <b>CLASS DAY</b> | <b>UNIT</b>   | <b>THEORY/PRACTICAL TOPICS</b>                        | <b>REMARK</b> |
|------------------|------------------|---------------|---|---------------|
| 1ST              | 1ST              | EXPERIMENT 1  | Carpentry: -Name of carpentry tools and uses          |               |
|                  | 2ND              |               |   |               |
| 2ND              | 1ST              | EXPERIMENT 2  | Carpentry: Sawing operations                          |               |
|                  | 2ND              |               |   |               |
| 3RD              | 1ST              | EXPERIMENT 3  | Carpentry: Planning operations, Chiseling operations  |               |
|                  | 2ND              |               |   |               |
| 4TH              | 1ST              | EXPERIMENT 4  | Carpentry: Measuring & Marking                        |               |
|                  | 2ND              |               |   |               |
| 5TH              | 1ST              | EXPERIMENT 5  | Different types of timbers used by carpenters,        |               |
|                  | 2ND              |               |   |               |
| 6TH              | 1ST              | EXPERIMENT 6  | Substitutions of timbers,                             |               |
|                  | 2ND              |               |   |               |
| 7TH              | 1ST              | EXPERIMENT 7  | . Jobs : Slot. & Notch                                |               |
|                  | 2ND              |               |   |               |
| 8TH              | 1ST              | EXPERIMENT 8  | Jobs :Mortise and tenon joint                         |               |
|                  | 2ND              |               |   |               |
| 9TH              | 1ST              | EXPERIMENT 9  | Jobs : Single dovetail joint                          |               |
|                  | 2ND              |               |   |               |
| 10 <sup>TH</sup> | 1ST              | EXPERIMENT 10 | Turning: Study of S. C. Lathes and their accessories. |               |
|                  | 2ND              |               |   |               |
| 11TH             | 1ST              | EXPERIMENT 11 | Practice in lathe work involving plane turning,       |               |
|                  | 2ND              |               |   |               |
| 12TH             | 1ST              | EXPERIMENT 12 | Practice in lathe work involving step turning         |               |
|                  | 2ND              |               |   |               |
| 13TH             | 1ST              |               |   |               |

|             |            |               |   |  |
|-------------|------------|---------------|---|--|
|             | <i>2ND</i> | EXPERIMENT 13 | Practice in lathe work involving taper turning .                        |  |
|             |            |               |   |  |
| <i>14TH</i> | <i>1ST</i> | EXPERIMENT 14 | Practice in lathe work involving knuckling.                             |  |
|             | <i>2ND</i> |               |   |  |
| <i>15TH</i> | <i>1ST</i> | EXPERIMENT 15 | Practice in lathe work involving external V. Threading. (One job only.) |  |
|             | <i>2ND</i> |               |   |  |