**17ME11P1- ENGINEERING WORKSHOP**

**(Common to CE and ME)**

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| **Course Category** | Engineering Science | **Credits** | 1 |
| **Course Type** | Practical | **Lecture-Tutorial-Practical** | 0-0-2 |
| **Prerequisite** | Engineering Physics and Basics Electrical Sciences | **Sessional Evaluation** | 40 |
| **Semester End Exam Evaluation** | 60 |
| **Total Marks** | 100 |

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| **Course**  **Outcome(s)** | Upon successful completion of the course, the students will be able to know the trades and do carpentry, fitting, tin-smithy, house wiring and foundry. |
| **Course Content** | **TRADES FOR EXERCISES:**  At least two exercises from each trade:   1. **CARPENTRY**: Lap joint, Mortise and Tenon joint, Bridle joint. 2. **FITTING:** Square, V, Half round and dovetail fittings. 3. **TIN-SMITHY:** Tray, Cylinder, Hopper and Cone. 4. **HOUSE-WIRING:** One lamp controlled by one switch, Two lamps (bulbs) controlled by two switches, Staircase connection, Water pump connected with single phase starter. 5. **FOUNDRY**: Single-piece pattern, Two- piece pattern.   **TRADES FOR DEMONSTRATION:**   1. Machine Tools 2. Welding 3. Black Smithy   **TEXTBOOKSAND REFERENCE BOOKS:**   1. Engineering Work shop practice for JNTU V. Ramesh Babu, VRB Publishers Pvt. Ltd. 2. Work shop Manual / P.Kannaiah/ K.L.Narayana/ SciTech Publishers. 3. Engineering Practices Lab Manual, Jeyapoovan, SaravanaPandian, Vikas publishers. |