|  |  |  |
| --- | --- | --- |
| **Discipline: Mechanical Engineering** | **Semester :**  **4TH Semester-2022 - 23** | **Name of the Teaching Faculty:**  SEKHAR KUMAR SAHU (PTGF )/NIKHILA RANJAN KUMURA (LAB. ASST) |
| **Subject:**  **WORKSHOP - III**  **Practical** | **No. of Days/week Class Allotted: 90** | **Semester from date: 14 /02 /2023 to date: 27 /05 /2023 No of weeks: 18** |
| **week** | **Class Day** | **Practical Topics** |
| 1st | 1st | INTRODUCTION |
| 2nd | INTRODUCTION |
| 2nd | 1st | Safety practice in workshop |
| 2nd | Safety practice in workshop |
| 3rd | 1st | Job in evolving drilling |
| 2nd | Job in evolving drilling |
| 4th | 1st | Job in evolving boring |
| 2nd | Job in evolving boring |
| 5th | 1st | Job in evolving boring |
| 2nd | Internal threading on Turning jobs |
| 6th | 1st | Internal threading on Turning jobs |
| 2nd | External threading on Turning jobs |
| 7th | 1st | External threading on Turning jobs |
| 2nd | Job in evolving use of Capstan and turret lathe |
| 8th | 1st | Job in evolving use of Capstan and turret lathe |
| 2nd | Job in evolving use of Capstan and turret lathe |
| 9th | 1st | Job in evolving use of Capstan and turret lathe |
| 2nd | Taper Turning |
| 10th | 1st | Taper Turning |
| 2nd | Taper Turning |
| 11th | 1st | Chamfering |
| 2nd | chamfering |
| 12th | 1st | Chamfering |
| 2nd | All gear lathe-machine |
| 13th | 1st | Study Job involving all turning process on MS Rod & aluminum rod for jobs using CNC Lathe trainer. |
| 2nd | Study Job involving all turning process on MS Rod & aluminum rod for jobs using CNC Lathe trainer. |
| 14th | 1st | Study Job involving all turning process on MS Rod & aluminum rod for jobs using CNC Lathe trainer. |
| 2nd | Study Job involving all turning process on MS Rod & aluminum rod for jobs using CNC Lathe trainer. |

|  |  |  |
| --- | --- | --- |
| 15th | 1st | Shaper |
| 2nd | Shape |
| 16th | 1st | Milling Machine |
| 2nd | Milling Machine |
| 17th | 1st | Milling Machine |
| 2nd | Revision 1 |
| 18th | 1st | Revision 2 |
| 2nd | Revision 3 |