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| **Sl.No.** | **Syllabus** | **Curriculum** | **Deployment Strategy and Tool** | **Cross-cutting issues integrated** | **PO, PSO and CO** |
| 1. | Power Electronic and Instrumentation | * Student will know the operation of power semiconductor devices. * Student will know the working principle of controlled rectifier for R and RL load * Student will know the working principle of dc chopper and dc to ac converters (inverter). * Student will learn the working principle of instruments like DVM, Multimeter, frequency meter. * Student will know the knowledge about transducers, PLC and relay. | 1. Chalk and Talk method 2. PPT | * Environment and sustainability. | * PO1,PO3, PO5 |
| * PSO1,PSO2,PSO3 |
| * CO1: Student will be able to select appropriate power semiconductor devices for given power circuits. * CO2: Student will be able to implement controlled rectifier for R and RL load * CO3: Student will be able to implement dc chopper and dc to ac converters (inverter). * CO4: Student will be able to implement dc chopper and dc to ac converters (inverter). * CO5: Student will be able to implement measuring instruments like DVM, Multi meter, frequency meter. * CO6: Student will be able to implement simple transducers and PLC |
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