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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and**  **Tool** | **Cross-cutting issues**  **integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | ANALOG AND DIGITAL ELECTRONICS LABORATORY | A student who successfully fulfills the course requirements will have demonstrated: 1. An ability to operate laboratory equipment.  2. An ability to construct, analyze, and troubleshoot simple combinational and sequential circuits.  3. An ability to design and troubleshoot a simple state machine. 4. An ability to measure and record the experimental data, analyze the results, and prepare a formal laboratory report. | 1. Chalk and   Talk method   1. PPT | * Business   Ethics | PO1:Engineering Knowledge  PO2:Problem Analysis  PO3:Design/Development Of Solutions  PO5:Modern Tool Usage  PO6: Engineer and Society  PO7:Environment And Sustainability  PO9:INDIVIDUAL AND TEAM WORK  PO10:COMMUNICATION  PO12: Life-long  Learning. |  |
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|  |  | PSO1:Professional Skills  PSO2:Problem Solving Skill |
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|  |  | CO1 Use various Electronic Devices like Cathode Ray Oscilloscope, Signal generators, Digital Trainer Kit, Multimeters and components like Resistors, Capacitors, Op amp and Integrated Circuit.  CO2 Design and demonstrate various combinational logic circuits.  CO3 Design and demonstrate various types of counters and Registers using Flip-flops  CO4 Use simulation package to design circuits.  CO5 Understand the working and implementation of ALU. |
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