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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 method1. PPT
 | * Business

 Ethics | PO1:Engineering KnowledgePO2:Problem AnalysisPO3:Design/Development Of SolutionsPO5:Modern Tool UsagePO6: Engineer and SocietyPO7:Environment And SustainabilityPO9:INDIVIDUAL AND TEAM WORKPO10:COMMUNICATION PO12: Life-longLearning. |  |
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|  |  | PSO1:Professional SkillsPSO2: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-flopsCO4 Use simulation package to design circuits.CO5 Understand the working and implementation of ALU. |
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