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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and**  **Tool** | **Cross-cutting issues**  **integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | MICRO CONTROLLER AND EMBEDDED SYSTEMS LABORATORY | * To enable the students to simulate and test the Analog, Digital and mixed Electronics circuits using MATLAB Software. * To provide a platform for the students to do multidisciplinary projects. * To Study the power flow problems using provided Softwares * To carry out high quality research in the field of Power System Simulation. | 1. Chalk and   Talk method   1. PPT | * Business   Ethics   * Human   values | PO1:Engineering Knowledge  PO2:Problem Analysis  PO3:Design/Development Of Solutions  PO5:Modern Tool Usage  PO10:COMMUNICATION |  |
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|  |  | PSO1:Professional Skills  PSO2:Problem Solving Skill |
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|  |  | CO1:Understand the ARM7/TDMI/LPC2148 evaluation board/simulator like embedded C, Keil µ-Vision-4 tool/Compiler.  CO2:Develop the Microcontroller conceptual programs to solve various arithmetic and logical problems.  CO3:Construct the program to implement applications using ADC  CO4:Design and Develop the programs to implement the LED, LCD applications |
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