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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and**  **Tool** | **Cross-cutting issues**  **integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | Advanced Computer Architecture | 1.Knowing what's inside and how it works will help the student design, develop, and implement applications better, faster, cheaper, more efficient, and easier to use because ,they will be able to make informed decisions instead of guestimating and assuming.  2. Applications and handheld devices play a major role in ensuring comfort in our day- today life. These applications run on handheld electronic gadgets with high-end microprocessor support. Modern CPU designers handle challenges imposed by these applications with cost effective architectural enhancements.  3. The module aims to provide students with a fundamental knowledge of computer hardware and computer systems, with an emphasis on system design and performance. There is a prerequisite of CS132 Computer Organisation and Architecture.  . | 1. Chalk and   Talk method   1. PPT | * Business   Ethics   * Human   values | PO1:Engineering Knowledge  PO2:Problem Analysis  PO3:Design/Development Of Solutions  PO4:Conduct Investigations Of Complex Problems  PO5:Modern Tool Usage  PO6: Engineer and Society  PO12: Life-long  Learning. |  |
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|  |  | PSO1:Professional Skills  PSO2:Problem Solving Skill |
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|  |  | **CO1:Differentiate** the parallel computer models and **Identify** theperformance metrics of scalable parallel computers.  **CO2:Analyse** the various hardware technologies using processors and memory hierarchy.  **CO3:Distinguish** the performance of pipelining and non-pipelining environment in a processor  **CO4:Compare** and **contrast** the parallel and scalable architectures  **CO5:Demonstrate** the software for parallel programming concepts |
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