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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and**  **Tool** | **Cross-cutting issues**  **integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | SOFTWARE ENGINEERING | * Software engineering is important because specific software is needed in almost every industry, in every business, and for every function. It becomes more important as time goes on – if something breaks within your application portfolio, a quick, efficient, and effective fix needs to happen as soon as possible * Using the techniques of software engineering is an integral part of the application of Total Quality Management (TQM) to software development. Improving overall quality and productivity by minimizing the number of software defects that can be prevented by expending additional effort during analysis and design. * As our connection to technology tightens, it drives rapid cultural evolution, in effect changing what it means to be human. Technological change driven by software also impacts our economy in basic ways, as computer technology drives more aspects of production, marketing, services, and sales. | 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  PO7:Environment And Sustainability  PO8:ETHICS  PO9:INDIVIDUAL AND TEAM WORK  PO10:COMMUNICATION  PO11:Project Management and Finance.  PO12: Life-long  Learning. |  |
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|  |  | PSO3: Successful |
|  |  | career and |
|  |  | entrepreneurship |
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|  |  | CO1:Understand software engineering principles, ethics, software process with software models and requirement engineering.  CO2:Demonstrate system models, using UML diagrams, design patterns and understand RUP.  CO3:Understand,compare various testing and Recognize the importance of software maintenance and describe the details involved in software evolution.  CO4:Apply estimation techniques, schedule project activities ,compute pricing and identify software measurements and metrics for quality management  CO5:Identify the need for agile software development using agile methods and practices |
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