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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 | PO2:Problem Analysis  PO3:Design/Development Of Solutions  PO5:Modern Tool Usage  PO8:ETHICS  PO9:INDIVIDUAL AND TEAM WORK  PO11:Project Management and Finance.  PO12: Life-long  Learning. |  |
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|  |  | PSO3: Successful |
|  |  | career and |
|  |  | entrepreneurship |
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|  |  | **CO1** Design a software system, component, or process to meet desired needs within realistic constraints.  **CO2** Assess professional and ethical responsibility  **CO3** Function on multi-disciplinary teams  **CO4** Use the techniques, skills, and modern engineering tools necessary for engineering practice  **CO5** Analyse, design, implement, verify, validate, implement, apply, and maintain software systems or parts of software systems |
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