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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and**  **Tool** | **Cross-cutting issues**  **integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | Engineering Mathematics III | * Students can analyse different signals using fourier series and fourier transforms which are used in telecommunications and linear systems. * Approximation value of higher order functions can be calculated using different numerical methods which is useful in real world measurement. * students can learn different optimization methods for calculating optimum value for different optimization problems like job scheduling,task scheduling. | 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  PO11:Project Management and Finance.  PO12: Life-long  Learning. |  |
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|  |  | PSO2:Problem Solving Skill |
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|  |  | CO1 Know the use of periodic signals and Fourier series to analyze circuits and system  communications.  CO2 Explain the general linear system theory for continuous-time signals and digital signal  processing using the Fourier Transform and z-transform.  CO3 Use partial differential equations to solve problems arising from heat and wave  equations.  CO4 Use graphical and linear programming techniques to solve mathematical model of the  real life problems.  CO5 Employ appropriate numerical methods to solve algebraic and transcendental  equations and partial differential equations where the analytic method is impossible to apply.  CO6 Use method of finite differences and numerical integration to solve problems where the  theoretical approach is unavailable or very difficult. |
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