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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 methods of correlation, regression and curve fitting to collect, classify and analyze the data.  CO4:Employ appropriate numerical methods to solve algebraic, transcendental equations, difference equations and integration, where theoretical approach is unavailable or very difficult.  CO5:Apply Green's Theorem, Divergence Theorem and Stokes' theorem in various applications in the field of electro-magnetic and gravitational fields and fluid flow problems.  CO6: Determine the extremals of functionals and solve the simple problems of the calculus of variations. |
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