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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 method1. PPT
 | * Business

 Ethics* Human

 values | PO1:Engineering KnowledgePO2:Problem AnalysisPO3:Design/Development Of SolutionsPO4:Conduct Investigations Of Complex ProblemsPO5:Modern Tool UsagePO6: Engineer and SocietyPO11:Project Management and Finance. PO12: Life-longLearning. |  |
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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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