Course: ENGINEERING MATHEMATICS – III **Scheme: 2015**

Course Objective:(15MAT31) **Sem: 4**

	Course Outcomes	POs/ PSOs	CL	Class Sessions (approximate)	Tutorial (Hrs)	Lab Sessions (Hrs)
CO 1	Know the use of periodic signals and Fourier series to analyze circuits.	PO1	U	12	NA	NA
CO 2	Explain the general linear system theory for continuours-time singals and systems using the Fourier Transform.	PO1	AP	6	NA	NA
CO 3	Analyse discrete-time systems using convolution and the z-transform.	PO1	AP	6	NA	NA
CO 4	Use appropriate numerical methods to solve algebraic and transcendental equations and also to calculate a definite integral	PO1	AP	12	NA	NA
CO 5	Use curl and divergence of a vector function in three dimensions, as well as apply the Green's Theorem, Divergence Theorem and Stokes' Theorem in various applications.	PO1	AP	7	NA	NA
CO 6	Solve the simple probem of the calculus of variations.	PO1	AP	7	NA	NA
Total Hours of instruction				50		