

SYLLABUS :-

Revision of numerical interpolation, differentiation and integration, least squares approximation, Gaussian methods and Gauss â Siedel iteration method for solving system of linear equations, computation of eigenvalues and eigenvectors of matrices by iteration methods, Gaussian quadrature, Numerical solutions of initial value problems using Runge Kutta methods, multistep methods, finite difference methods, boundary value problems using finite difference methods and shooting method.