K.L.E. Society's

BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE

COLLEGE, CHIKODI – 591 201.

(Accredited at 'A' with 3.26 CGPA in 3rd Cycle of A & A)

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DEPARTMENT OF MATHEMATICS

LEARNING OUT COMES

LO_1 Students will understand the concepts of limits and continuity, derivatives, higher order derivatives and its applications.

LO_2 They understand the mean value theorems and develop the skills in solving problems related to theorems.

LO_3 Understand the concept of evaluation of definite integrals by using reduction formulae and able to find the areas and volumes.

LO_4 They understand the properties of matrices, expansion of fourth order determinants, method of finding rank of given matrix and also understand concepts of sets, groups, rings and postulates of real numbers.

LO_5 Understand the concepts of sphere, cone and its applications.

LO_6 Understand the concepts of differential equations and improving the skill of solve homogeneous, non homogeneous, linear, Bernoulli's, exact, simultaneous and partial differential equations.

LO_7 Understand the concept scalar and vectors and method of finding the derivatives of vector function.

LO_8 Develop skills in solving transcendental equations, finding derivatives and definite integrals by numerical methods.

LO_9 Students will be able to solve different types of examples on Laplace and Fourier series.

LO_{10} Able to understand the functions of complex variable and understand Cauchy's theorems and develop the skills in solving problems related to Cauchy's theorems.