

KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University Established Under Section 3 of UGC Act 1956) **Coimbatore – 641 021.**

	Semester – VI
	L T P C
EMATICS -II PRACTICAL	4 2

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MATH

Objectives

This course enables the students

- To develop skills for quantitative estimation using computer language. •
- To solve ordinary differential equations using appropriate coding. •

List of Practical

- 1. Plotting of second order solution family of differential equation.
- 2. Growth model (exponential case only).
- 3. Decay model (exponential case only).
- 4. Solving first order ordinary differential equations.
- 5. Solution of second order ordinary differential equations with initial conditions.
- 6. Solving system of linear differential Equations.
- 7. Computing Lagrange's interpolating polynomial.
- 8. Computing interpolating polynomial using Newton's formula.