PSG COLLEGE OF TECHNOLOGY, COIMBATORE

DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCES

M.Sc (CYBER SECURITY)

20XC16   MATHEMATICAL FOUNDATIONS LAB   0 0 4 2

1. Functions: Definition and examples

2. Limits and Continuity of functions

3. Plot 2D and 3D functions.

4. Taylor series for functions of single variable.

5. Matrices: Simple operations.

6. Solving system of Linear equations.

7. Programs on differentiation and integration.

8. Finding maxima and minima

9. Evaluation of multiple integrals

10. Solving differential equations