

**Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
Autonomous**

Certificate Courses Department of Mathematics

Syllabus for Certificate Course 1

Course Title: Scilab Software (Credit: 2)

[A] Course Objectives:

- Develop strategies to identify and resolve common programming errors and issues.
- Acquaint students with the possible ways of learning mathematical concepts.
- Understand how to integrate Scilab with other programming languages and software for enhanced functionality.

[B] Course Outcome:

- Students will demonstrate proficiency in utilizing advanced Scilab functionalities and toolboxes for complex tasks.
- Students will Analyze and interpret data using sophisticated statistical methods within Scilab.
- Students will be Effectively integrate Scilab with other software and tools, demonstrating an understanding of interdisciplinary applications.

Syllabus

Unit No.	Contents	No. of Lecturtes
I	Introduction to scilab, Basic Commands and notations	8
II	2D and 3D graphs, Multiple graphs, Polynomials	8
II	Linear Algebra Using Scilab	8
IV	Numerical programming in scilab	6
	Total	30

Mode of Evaluation: Written and Practical Examination.




HEAD
Department of Mathematics
Tuljaram Chaturchand College
Baramati