SAINTGITS **COLLEGE OF APPLIED SCIENCES**

KOTTAYAM, KERALA
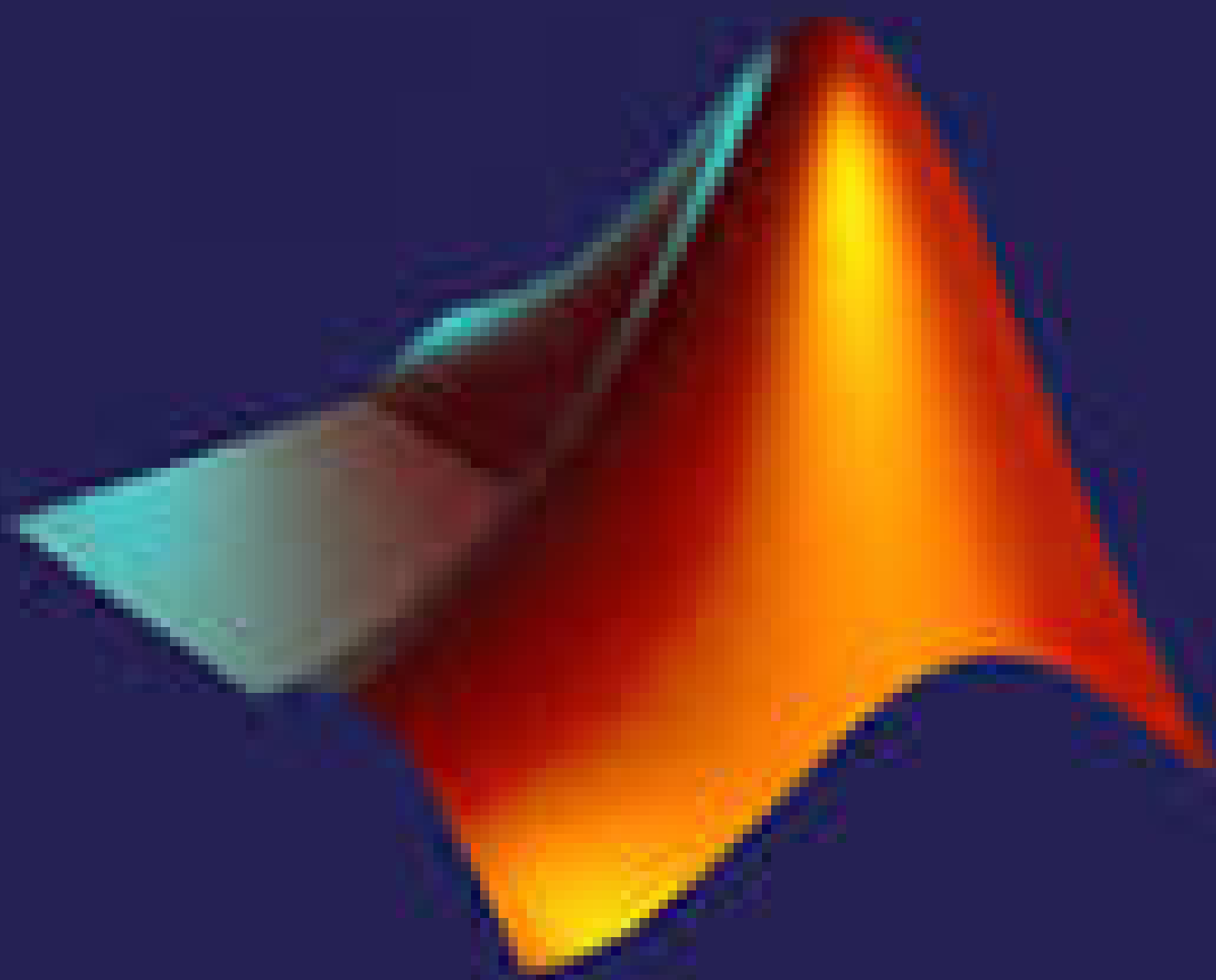**(NAAC ACCREDITED WITH 'A' GRADE)**

PG Department of CA & AI

MACHINE LEARNING USING MATLAB

Value Added Course 2023 -24

Duration : 30 hours

Objectives

- The course aims to introduce the students with the programming platform designed specifically for engineers and scientists to analyze and design systems and products that transform our world.

Expected Outcome

- To Build basic programs using fundamental programming MATLAB provides powerful tools for data analysis, manipulation, and visualization. It offers functions for data cleaning, filtering, statistics, plotting, and creating interactive visualizations. Algorithm Development: MATLAB is widely used for developing and implementing algorithms

Syllabus

- **Module 1** - Data Preprocessing and Visualization in MATLAB
- **Module 2** - Supervised Learning in MATLAB
- **Module 3** - Unsupervised Learning and Advanced Topics
- **Module 4** - Model Evaluation and Deployment

THIS COURSE IS DESIGNED TO INTRODUCE STUDENTS TO THE WORLD OF MACHINE LEARNING AND WITH ITS PRACTICAL APPLICATIONS USING MATLAB

Duration : 30 hours

LEARN. GROW. EXCEL