**INTRODUCTION TO MATLAB**

**Lab Report # 01**



**CSE301 - L Signals & Systems Lab**

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**WHAT IS MATLAB:**

MATLAB is a commercial MATrix LABoratory package . MATLAB is a high-level programming language and computing environment used for numerical analysis, data visualization, and programming. It is widely used in engineering, science, and mathematics fields. Matlab allows users to perform complex mathematical calculations and data analysis tasks with ease, as well as develop and deploy algorithms and models for a variety of applications.

**Lab objectives:**

MATLAB will be used extensively in all the succeeding labs. The goal of this first lab is to gain familiarity with MATLAB and build some basic skills in the MATLAB language. Some specific topics covered in this lab are:

• Introduction to MATLAB.

• MATLAB Environment (command window, editor, workspace, working folder)

• MATLAB Help

•Variable arithmetic

•Built in Mathematical Functions

•Input and display

•Timing functions (clock, Tic Toc, etime).

• Introduction to M‐files (scripts etc.)