

❖ **Introduction**

- Basic of MATLAB
- Types of Window
- Type of File
- Basic Operations

❖ **Matrix (Array Design).**

- Matrix Operation
- Array Design
- Array Operation
- Multidimensional Array

❖ **Graphics.**

- Plotting
- Multiple
- Plot 2-D
- Plot 3-D
- Plot Subplot
- Handle Graphics
- Animation
- Example(like a project)

❖ **Symbolic Calculation.**

- Symbols

- Design Formula
- Differentiation
- Integration
- Solve Equation
- Example(like a project)

❖ Publishing Report.

- Publishing Report.
- Design Html File, PDF, Word, PPT
- Import Export
- Example(like a project)

❖ Operators.

- Arithmetic Operator
- Logical
- Relational

❖ Branch and Loop.

- If statement
- If-else statement
- Else-if statement
- Pause, Break, Continue, Switch-case, try-catch, Return Statement
- For Loop, While Loop
- Example(like a project)

❖ Script and Functions.

- Script Design
- Function Design
- Types Of Function
- Mock Tests & Assignments

❖ GUI (Graphical User Interface).

- Introduction Of GUI
- GUI Function Property
- GUI Component Design
- GUI Container
- Writing the code of GUI Callback
- Dialog Box
- Menu Designing
- Mock Tests & Assignments

❖ Introduction Of image Processing.

- Designing of Projects
- Application