**Sandip Institute of Technology and Research Centre**
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Savitribai Phule Pune University (Formerly Pune University), Pune.
Accredited with "A" grade by NAAC With CGPA Score of 3.11

## DEPARTMENT OF ELECTRICAL ENGINEERING

### (A.Y 2023-24)

# NOTICE

Date:- 25/9/2023

All students of TE and BE are hereby inform that the Department of
Electrical Engineering is going to organizing a two days' workshop on "MATLAB
Programming" on date 3/10/2023 to 4/10/2023 for TE and BE student's.

Students enroll their name to Prof. T. J. Bharambe before 29/09/2023.

**Time:** 10:00AM To 5.00PM

**Venue:** EE Dept .SITRC, Nashik

**HOD**
Head of Department
Electrical Engineering
Sandip Institute of Technology and Research Centre
Mahiravani, Nashik-422213

# DEPARTMENT OF ELECTRICAL ENGINEERING

## (A.Y 2023-24)

## Theory Course Content- Topics covered during the Workshop-

**Module 1:** Introduction to MATLAB and Basic Programming Concepts

**Module 2:** Advanced MATLAB Programming and Applications

### Program Agenda-

| Day | Time | Program | Topic |
|-----|------|---------|-------|
| 1 | 10 am To 1 pm | Morning session | Module 1: Introduction to MATLAB and Basic Programming Concepts |
| | 1 pm To 2 pm | Lunch Break | |
| | 2 pm To 5 pm | Evening Session | Module 1: Introduction to MATLAB and Basic Programming Concepts |
| 2 | 10 am To 1pm | Morning session | Module 2: Advanced MATLAB Programming and Applications |
| | 1 pm To 2 pm | Lunch Break | |
| | 2pm To 5 pm | Evening Session | Module 2: Advanced MATLAB Programming and Applications |

## DEPARTMENT OF ELECTRICAL ENGINEERING

### (A.Y 2023-24)

## Workshop Report

The **MATLAB Programming Workshop** is designed to introduce participants to the powerful capabilities of MATLAB, a high-level language and interactive environment used extensively in engineering, mathematics, and scientific computing. This workshop will cover the essential concepts of MATLAB programming, from basic operations and syntax to more advanced applications in data analysis, visualization, and algorithm development.

**Name of the Event:** Workshop on "MATLAB Programming"

**Event Date:** 3/10/2023 to 4/10/2023

**Event Conduction Duration:** 10.00 am to 5.00 pm

**No of Participants:** TE/BE : 51 Students

**Name of Resource Person:** Dr. Prakash Burade, SU

**Name of Event Coordinator:** Prof. T. J. Bharambe (Asst. Prof, Electrical Dept., SITRC, Nashik)

## Course Objectives:

1. **Introduce MATLAB Environment:** To familiarize participants with the MATLAB programming environment, its interface, and basic functionalities, providing a solid foundation for further programming.

2. **Develop Problem-Solving Skills:** To enable participants to solve engineering, scientific, and mathematical problems by writing efficient MATLAB scripts and functions.

3. **Introduce Advanced Programming Techniques:** To provide participants with skills in advanced MATLAB features, including numerical methods, symbolic computation, and optimization.

4. **Provide Hands-on Experience:** To give participants practical experience with MATLAB through guided exercises, simulations, and real-world applications.

## Course Outcomes:

1. **Navigate MATLAB Interface**: Efficiently use MATLAB's interface, workspace, and command window.

2. **Write Basic MATLAB Code**: Understand and work with basic programming constructs in MATLAB, such as variables, operators, and built-in functions.

3. **Perform Mathematical Operations**: Solve mathematical problems involving linear algebra, matrix operations, and calculus (e.g., differentiation, integration) in MATLAB.

### EVENT PHOTOS:

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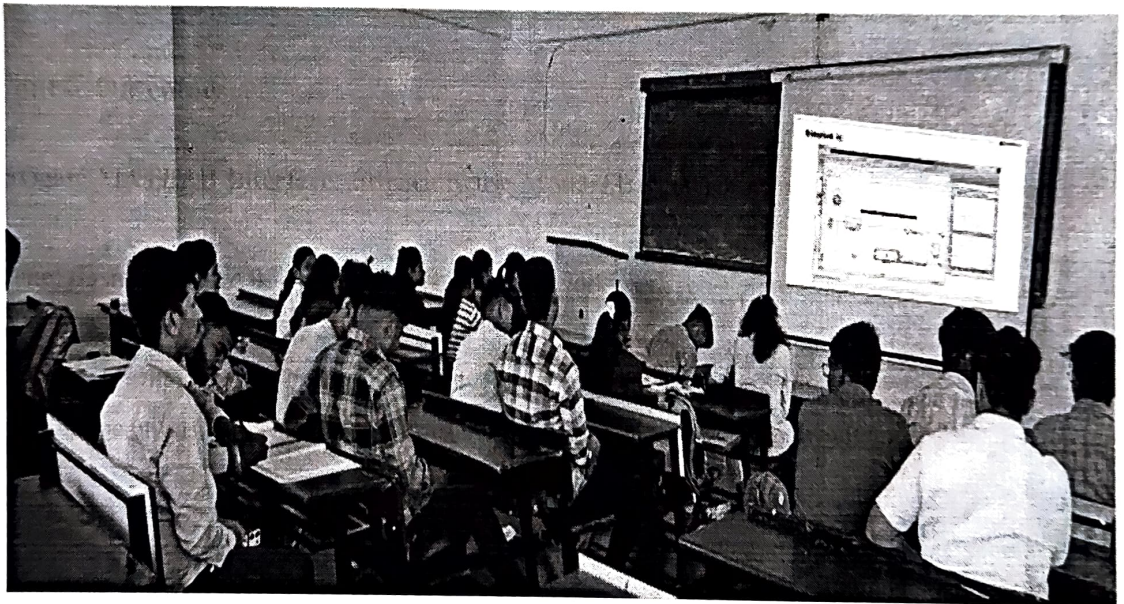Accredited with "A" grade by NAAC With CGPA Score of 3.11

Dr. Prakash Burade while explaining about MATLAB Programming features