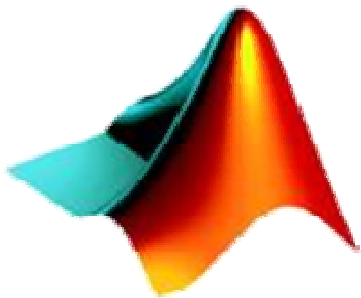




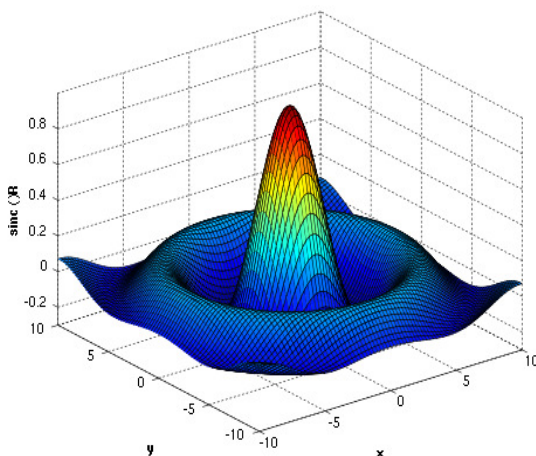
असतो मा सद्गमय ॥
सत्यमेव जयते ॥

**SANDIP
FOUNDATION**

[Report - Value Added Programme on
MATLAB Programming for Signal Processing]



MATLAB



Duration: 3 Months

Sandip Foundation's
**Sandip Institute of Technology
& Research Centre,**
Mahiravani, Nashik
**Department of Electronics &
Telecommunication Engineering**



Sandip Foundation's
Sandip Institute of Technology & Research Centre,
Mahiravani, Nashik

Department of Electronics & Telecommunication Engineering

Date:

Name of Event: Value Added Programme on MATLAB Programming for Signal Processing

Date of Event: 03/08/2015 to 10/10/2015

Duration of Event: 3 Months (3 days per week)

Name of resource person:

Prof. P. A. Dhulekar

Name and Address of Company:

SITRC, Nashik

Name of Event Coordinator:

Prof. P. A. Dhulekar

Participant:

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Objectives:

The aim of this course is to introduce MATLAB for numerical computations and in particular familiarizing with the MATLAB Desktop, basic commands through the Command window and output through the Graph window. The course assumes students already have some programming experience. At the end of the course students should be able to access MATLAB in the Department and College, be able to use the MATLAB help facility, do simple (but large) calculations and print out graphs. If students have used MATLAB, or similar numerical computation programs such as PV-WAVE you probably need to read no further – but just familiarize students with how you access MATLAB through WTS and any different features on this version.

Training Goals

- Introduction to MATLAB
- MATLAB Basics and Data Types
- Branching Statements and Program Design
- Loops
- User-Defined Functions
- Sparse Arrays, Cell Arrays, Structures, and Function Handles
- Input/output Functions
- Graphical User Interfaces (GUI Development)
- Simulink
- Applications based Project Development

Outcome:

- Candidate will be able to write clean, efficient, and documented MATLAB programs. It makes no pretense at being a complete description of all of MATLAB's hundreds of functions. Instead, student learns how to use MATLAB as a technical programming language.
- Apart from theoretical knowledge, introduction to the practical approach with several application based programs.
- Making complete environment as learning with fun so that student can clear their doubt with real time examples.

Photos:

