



Workshop on

Basics of MATLAB – Mathematics

Date: 12th June 2018

Number of participants: 14

Resource Person: Mr. Harish Chandra Mohanta

About the resource person:

He received M.Tech degree in 2015 from IIT, Kharagpur. Now, he is working as an Assistant Professor in the Department of Electronics and Communication Engineering, SoET, Bhubaneswar campus, CUTM. His research Interests include Wireless Energy Harvesting System, Metamaterial Study, Printed Microstrip Antenna Design, Transceiver System Design, Biomedical Instrumentation, AI and Machine Learning, Embedded System Design, Mathworks and ELMAX Systems and Solutions (MATLAB).

About the workshop

Engineers and scientists need a programming language that lets them express matrix and array mathematics directly. Linear algebra in MATLAB is intuitive and concise. The same is true for data analytics, signal and image processing, control design, and other applications.

Technical agenda of Data Science using MATLAB:

- Introduction to Data Science
- Working with different data & data visualization.
- Exploratory data analysis.
- Pre-processing of data, Transformation, feature engineering.
- Concept of data warehousing and data mining.
- Interpretation and Evaluation.

Objectives:

1. Describe, analyse and model CPH-NEW or other research datasets.
2. Use descriptive statistics and plots for exploratory data analysis (EDA).
3. Fit probability distributions to data.
4. Perform hypothesis testing.
5. Apply basic regression and classification algorithms.

Outcomes

Able to use Matlab for interactive computations. Familiar with memory and file management in Matlab. Able to generate plots and export this for use in reports and presentations. Able to program scripts and functions using the Matlab development environment.



PHOTOGRAPH TAKEN DURING DISCUSSION IN **Basic of MATLAB**



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Organised by :
Centurion University of Technology and Management
RESOURCE PERSON
Mr. Harish Chandra Mohanta

centurion university of technology and management
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Brochure of the event

Participants list:

Sl. No.	Participant Name	Day -1 (Signature)
1 ✓	Prof. M. Siddique Math	M. Siddique
2 ✓	Prof. Swarnalata Jena Math	Swarnalata Jena
3 ✓	Prof. Sasi Bhusana Padhi Math	Sasi Bhusana Padhi
4 ✓	Prof. Saubhagyalaxmi Singh Math	Saubhagyalaxmi Singh
5 ✓	Prof. Chittaranjan Routray Chemistry	Chittaranjan Routray
6 ✓	Prof. Nibedita Nayak Physics	Nibedita Nayak
7 ✓	Prof. Pradip Kumar Prusty Zoology	Pradip Kumar Prusty
8	Prof. Puspita Sahoo	Puspita Sahoo
9	Prof. Sasmita Jena	Sasmita Jena
10 ✓	Prof. Smita Jana EEE	Smita Jana
11 ✓	Prof. Rama Prasanna Dalai EEE	Rama Prasanna Dalai
12 ✓	Prof. Debasis Sahu EEE	Debasis Sahu
13 ✓	Prof. Sibaprasad Mishra Civil	Siba Prasad Mishra
14 ✓	Prof. Manas Ranjan Padhi Mechanical	Manas Ranjan Padhi



Prof. KVD Prakash
Dean - IIE & HRD



Dr. Prasanta Ku. Mohanty
Dean Academic