



**Centurion**  
**UNIVERSITY**

**Centurion University of Technology and Management**

**Bhubaneswar, Jatni, Odisha -752050**

Workshop on

**MATLAB for Machine Learning: "Polynomials and Curve Fitting"**

**Date: 01-02-2020, Time-2.30 PM to 5PM**

No. of Students and/or Faculty Participated: **16**

Venue: Room No. 126, AryaBhatta Building, CUTM, BBSR

**Resource Person**



**Dr. R. C. Mohanty**

Ph.D.

Professor

School of Engineering and Technology

Department: Mechanical Engineering

Phone: 9437189430

Email: [rcmohanty@cutm.ac.in](mailto:rcmohanty@cutm.ac.in)

**About the resource person:**

Dr. R. C. Mohanty, now working as a Professor in the department of Mechanical Engineering, School of Engineering and Technology, Bhubaneswar Campus, Centurion University of Technology and Management, Odisha, India. Completed his bachelor degree from Institution of Engineers (India), M. Tech. from BPUT, Odisha and Ph.D. in mechanical engineering from National Institute of Technology, Rourkela, Odisha. Major research area is on Renewable energy, structural dynamics, vibration control and damping improvement of jointed and sandwiched beams. The other research area of interest is on production of bio-fuel and bio-gas. He has published 90 international journal papers, 12 international/national conference papers.

**Objectives:**

- To generate the Curve fit for a linear and polynomial of Specific Heat and Temperature using the given data.
- To find the parameters of a mathematical model that describes a set of (usually noisy) data in a way that minimizes the difference between the model and the data

**Outcomes:**

Participants understand to find the parameters of a mathematical model that describes a set of (usually noisy) data in a way that minimizes the difference between the model and the data. Calculate the resultant of two polynomials with respect to  $x$  to return a polynomial in  $y$ .



## FACULTY DEVELOPMENT PROGRAMME ON

# **MATLAB for Machine Learning: “Polynomials and Curve Fitting”**

DATE:01.02.2020

*Resource Person:*

**Dr. R. C. Mohanty**

Professor


School of Engineering and Technology

Department: Mechanical Engineering

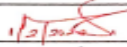
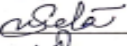

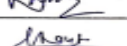
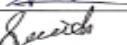
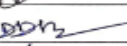


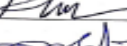


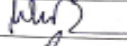
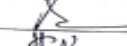



*Organised by:*

**Centurion University of  
Technology And Management**

## Participant Lists:


**Centurion University of Technology and Management**  
 Faculty Development Programme on  
**"MATLAB for Machine Learning"**  
 Topic - Polynomials and Curve Fitting  
 Conducted by - 'Dr. R. C. Mohanty'  
**Attendance Sheet**

Date: 01/02/2020  
Time: 2.30 PM: 8.10 M

Sl No	Name	Dept. / Designation	Signature
1	Mukundji Pandey	ME	
2	Sweta Das	Civil Engg.	
3	Parvita Das	CSE / COVERT	
4	Ramkrishna Dalai	EEE / Asst. Prof.	
5	Smtanjali Rout	EEE / Research scholar	
6	Sanika Jena	EEE / Asst. Prof.	
7	Debashree D. Behera	Mech / Asst. Prof.	
8	KWANKANTIKA MISHRA	EE / Asst. Prof.	
9	Shalysingha Sahu	Mech / Asst. Prof.	
10	Ram Mohan Patra	Mining / Asst. Prof.	
11	Dr. Tumbara Sumantra	Math / Asst. Prof.	
12	Kali prasad Raut	Mech / Asst. Prof.	
13	Manas Ranjan Sahu	meh / Lab Asst.	
14	R.C. Mohanty	Mech / professor	
15	Sagarika Panda	Civil / Asst. prof.	
16	Chiranjib Mohanty	Mech / Asst. prof.	
17			



Dr. Prasanta Ku. Mohanty  
Dean Academic



Prof. KVD Prakash  
Dean - IIE & HRD