



Centurion University Technology and Management

FDP on

Machine Learning

Date: 28-02-2020 to 29-02-2020

Resource person: Dr. R.C. Mohanty,

No. Of Participants : 23

About the workshop

The two days workshop focuses on data analytics and machine learning techniques in MATLAB® using functionality within Statistics and Machine Learning Toolbox™ and Deep Learning Toolbox™. The course demonstrates the use of unsupervised learning to discover features in large data sets and supervised learning to build predictive models. Examples and exercises highlight techniques for visualization and evaluation of results.

Topics include:

- Organizing and preprocessing data
- Clustering data
- Creating classification and regression models
- Interpreting and evaluating models
- Simplifying data sets
- Using ensembles to improve model performance

Objective:

- Bring data into MATLAB and organize it for analysis, including normalizing data and removing observations with missing values.

- Use unsupervised learning techniques to group observations based on a set of explanatory variables and discover natural patterns in a data set. Use supervised learning techniques to perform predictive modeling for classification problems.
- Evaluate the accuracy of a predictive model. Reduce the dimensionality of a data set. Improve and simplify machine learning models.
- Use supervised learning techniques to perform predictive modeling for continuous response variables.
- Create and train neural networks for clustering and predictive modeling. Adjust network architecture to improve performance.



The brochure features the Centurion University logo in the top left corner, which includes a circular emblem with a globe and the text 'Centurion UNIVERSITY'. The main title 'Workshop on MACHINE LEARNING' is prominently displayed in red. Below the title, the dates 'Date: 28-02-2020 to 29-02-2020' are listed. The organizing institution is identified as 'Centurion University of Technology And Management'. A portrait of Dr. R.C. Mohanty, the resource person, is shown against a red background. His name and title, 'Resource Person Dr. R.C. Mohanty, Professor', are printed below the photo. Further down, his affiliation is given as 'Department of Mechanical Engineering, Centurion University of Technology and Management Bhubaneswar, Odisha'. The footer contains the university's name and tagline: 'centurion university of technology and management Shaping Lives... Empowering Communities...'.

Workshop on MACHINE LEARNING

Date: 28-02-2020 to 29-02-2020

Organised by
Centurion University of Technology And Management



Resource Person
Dr. R.C. Mohanty, Professor

Department of Mechanical Engineering, Centurion University of
Technology and Management Bhubaneswar, Odisha

centurion university of technology and management
Shaping Lives... Empowering Communities...

Figure: Brochure of the event

List of Participants



Centurion University of Technology and Management
Faculty Development Programme
 on
“MACHINE LEARNING”
Prof. Ganapati Panda, FNAE.
28th -29th Feb 2020
Paralakhemundi Campus
Attendance Sheet

Sl. No.	Name	School/Dept.	Contact No. & Email-ID	Signature			
				28-Feb-2020 1 st Session	28-Feb-2020 2 nd Session	29-Feb-2020 1 st Session	29-Feb-2020 2 nd Session
1	Mr. P. Suman	SOET	7978214604 suman@cutm.ac.in				
2	Mrs. G. Sridevi	SoET	sridevi@cutm.ac.in 955688424				
3	Mr. S.S.Sahu	SoET					
4	Mr. Hemant Kumar Nayak	SOET	8895723789 hemant.nayak@cutm.ac.in				
5	Dr. Jhum Swain	SoET	7978465748 jhum.swain@cutm.ac.in				
6	Ms. Shweta Patnaik	SoET	9556544355 shweta@cutm.ac.in				
7	Ms. A.Abhilasha	SOET	9668582455 a.abhilasha@cutm.ac.in				
8	Mr. A.Avinash	SoET					

Venue: JITM Board Room, Paralakhemundi Campus

9	Mr. Sambheet Patro	SoET	Sambheetpatro 705323601				
10	Mr. Pradeep Kumar Mahapatro	SOET	Pradeep Kumar Mahapatro 9437259765 pradeepmahapatro@cutm.ac.in				
11	Mr. Sujit Mishra	SoET	Sujit Mishra 876589160 sujit.mishra@cutm.ac.in				
12	Mr. Santosh Patro	SoET	Santosh Patro 9338106825 santosh.patro@cutm.ac.in				
13	Mr. K. Santosh Chandra Rao	SOET	ks.chandra.rao@cutm.ac.in 9391909292				
14	Mr. Satyanarayan Padhi	SoET	SATYA NARAYAN PADHI 943885062 satpadhi@cutm.ac.in				
15	Mr. Prabhat K. Patnaik	SoET	Prabhat K. Patnaik 9417491 prk@cutm.ac.in				
16	Mr. Binod Kumar Padhi	SOET	Binod Kumar Padhi 8984701276 binod.padhi@cutm.ac.in				
17	Mrs. N. Jeevaratnam	SoET	jeevaratnam@cutm.ac.in 9997502999				
18	Mrs. Rashmi Rekha Behera	SoET	rashmi@cutm.ac.in 9437854548				
19	Mr. Anjan Sahoo	SoET	anjan.sahoo@cutm.ac.in				
20	Mr. V. Khageswar	SoET					
21	Dr. Ashok Misra	SoAS					
22	Dr. Satyanarayan Dhal	SoAS	satyanarayan.dhal@cutm.ac.in 717887138				
	R.C. Mohanty	SoET, BBS					

Venue: JITM Board Room, Paralakhemundi Campus

Prof. KVD Prakash
Dean - IIE & HRD

Dr. Prasanta Ku. Mohanty
Dean Academic