



Centurion
UNIVERSITY

Centurion University of Technology and Management

Bhubaneswar, Jatni, Odisha -752050

FDP

on

**Machine Learning: Least Mean Square Algorithm (LMS) Date: 17-01-
2020, Time-3.50PM**

No. of Students and/or Faculty Participated: **25**

Venue: Room No. 10, AryaBhatta Building, CUTM, BBSR

Resource Person

Professor Ganapati Panda

About the resource person:

Professor Ganapati Panda served as the Deputy Director, Dean (Academic Affairs) and Head, School of Electrical Sciences at Indian Institute of Technology, Bhubaneswar. He has successfully completed number of research projects from various funding agencies in India and other Countries. He is a Fellow of the National Academy of Engineering, India (FNAE) and Fellow of National Academy of Science, India (FNASc) for his significant research contribution to signal processing and machine learning.

Objectives:

To mimic a desired filter by finding the filter coefficients that relate to producing the least mean square of the error signal (difference between the desired and the actual signal).

Outcomes:

Least mean squares (LMS) algorithms are a class of adaptive filter used to mimic a desired filter by finding the filter coefficients that relate to producing the least mean square of the error signal (difference between the desired and the actual signal). LMS filters are a class of adaptive filters that are able to "learn" an unknown transfer functions. LMS filters use a gradient descent method in which the filter coefficients are updated based on the instantaneous

error signal. Adaptive filters are often used in communication systems, equalizers, and noise removal.



WORKSHOP ON
on
**Machine Learning : Least Mean Square
Algorithm (LMS)**
DATE: 17-01-2020

Resource Person
Prof. Ganapati Panda
CUTM, Bhubaneswar, Odisha

Organised by:
Centurion University of Technology and
Management

centurion university of technology and management
Shaping Lives · Empowering Communities

Participant Lists:



Centurion University of Technology and Management

Bhubaneswar Campus
Faculty Development Programme on
"Machine Learning"

Topic - Least Mean Square Algorithm (LMS)

Conducted by
'Prof. Ganapati Panda'
Attendance Sheet

Date: 17/01/2020
9pm - 6pm

Sl No	Name	Dept. / Designation	Signature
1	Abhinava Biswal	EEE / Professor	[Signature]
2	Shubhanshu Sahoo	Mech / Asst Prof	[Signature]
3	Debaraj Rana	ECE / Asst. Prof	[Signature]
4	Sujata Chakravarty	CSE	[Signature]
5	Debasree S. Behera	Mech / Asst Prof	[Signature]
6	Rakesh Kumar Roy	CSE	[Signature]
7	Manoj K. Behera	CSE	[Signature]
8	Govinda Pat	SPMS / Asst Prof	[Signature]
9	Sagarika Pratih	Botany (Asst. Prof)	[Signature]
10	Smriti Jais	EEE (Asst Prof)	[Signature]
11	Kalya Ghosh Pradhan	Mechanical	[Signature]
12	Anil Pradabandya	C-SE (Asst. Prof)	[Signature]
13	Prachin Kumar	CSE / EM some student	[Signature]
14	Meharshi Das	CSE / Asst. Prof	[Signature]
15	Sagarika Panda	CSE / Asst. Prof	[Signature]
16	Himansu K. Sahoo	SPLS / Asst. Prof	[Signature]
17	Sonal Sahoo	CSE (Asst. Prof)	[Signature]
18	Poojita Das	CSE / Asst. Prof	[Signature]
19	Sachin Kumar Mishra	Research scholar	[Signature]
20	Smita Das	Civil Engg / Asst. Prof	[Signature]

23. Prasanta Kumar Mohanty
 24. Ms. Adyasha Rath
 25. R.C. Mohanty

Dean-Academic
 Research scholar - CCE
 professor - ME

[Signature]

Dr. Prasanta Ku. Mohanty
Dean Academic

[Signature]

Prabhat K. Pattnaik
FDP Coordinator