



**Centurion**  
**UNIVERSITY**

Centurion University of Technology and Management

Bhubaneswar, Jatni, Odisha -752050

FDP

on

**Machine Learning: Bacterial Foraging Algorithm**

**Date: 25-01-2020, Time- 4 PM to 6 PM**

No. of Students and/or Faculty Participated: **15**

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:**

Bacterial foraging optimization algorithm (BFO) is a biological-inspired swarm intelligence optimization algorithm that simulates the foraging behavior of bacteria to obtain maximal energy during the searching process. Since its inception, it has evoked wide attention from researchers

**Outcomes:**

The developed Bacterial Foraging Optimization Algorithm Feedforward Neural Network (BOANN) is compared against Particle Swarm Optimization Feedforward Neural Network (PSOANN). The results show that BFOANN outperforms PSOANN with better convergence rate and classification accuracy.



**WORKSHOP ON**

## **Machine Learning : Bacterial Foraging Algorithm**

**DATE: 25-01-2020**

**Resource Person**

**Prof. Ganapati Panda**

**CUTM, Bhubaneswar, Odisha**

***Organised by:***

**Centurion University of Technology and  
Management**

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Participant Lists:



**Centurion University of Technology and Management**

Bhubaneswar Campus  
Faculty Development Programme on  
"Machine Learning"

Topic - Variants of Least Mean Square (LSM)  
and Recursive Least Square (RLS) Algorithm  
Conducted by - 'Prof. Ganapati Panda'

**Attendance Sheet**

Date: 18/01/2020

Time: 4:00-6:00 PM

Venue:

Sl No	Name	Dept. / Designation	Signature
1	Abhinav Ch. Biswal	EEE/PROFESSOR	
2	Rajesh Kumar Mishra	Inter-Disciplinary (Mech) Ph.D scholar, CUTM	
3	Adyasha Path	CSE (Research scholar S.O.I)	
4	Sagarika Panda	Botany / Assoc. Prof.	
5	Anant Sahoo	EEE / Asst. Prof.	
6	Parvinita Das	CSE / SOVET	
7	Satyajyoti Das	Research scholar	
8	Shweta Das	Civil Engg. / Asst. Prof.	
9	Debashree .d. Acharya	Mech Engg / Asst. Prof.	
10	Swarna Prabha Jena	EEB / Asst. Prof.	
11	Sagarika Panda	Civil Engg / Asst. Prof.	
12	Sujata Chakravarty	CSE	
13	Rakesh K. Das	CSE	
14	Shreeraj Kumar Sahoo	Mech / Asst. Prof.	
15	R.C. Mohanty	Mech / Professor	
16			

Dr. Prasanta Ku. Mohanty  
Dean Academic

Prabhat K. Pattnaik  
FDP Coordinator