

Introduction

Machine learning is a scientific discipline that is concerned with the design and development of algorithms that allow computers to change behavior based on data, such as from sensor data or databases. A major focus of machine learning research is to automatically learn to recognize complex patterns and make intelligent decisions based on data. Hence, machine learning is closely related to fields such as statistics, probability theory, data mining, pattern recognition, artificial intelligence, adaptive control, wireless sensor networks, robotics and theoretical computer science.

Objective

This course is especially for faculty who need to have the right knowledge of Machine learning paradigms, which is considered to be an emerging area in the field of science and engineering, so that they can teach the students to enhance their technical expertise in order to meet the today's real life applications.

Topics to be Discussed

- Machine Learning
- Robotics
- Knowledge Discovery
- Neural Networks
- Genetic Algorithms
- Intelligent Data Analysis
- Image Processing
- Adaptive Control
- Signal Processing
- Bacteria Foraging Strategies
- Swarm Optimization
- Network Security
- Web Security Protocols

Venue

Gandhi Institute Of Engineering & Technology, Gunupur, Orissa.

Gunupur, located on the foothills of the picturesque Eastern Ghats, on the banks of river Bansadhara, at an altitude of 89 feet above the mean sea level is located at the south eastern boarder of Orissa.

It is well connected both by rail and road. Around 120 buses connect Gunupur directly with Cuttack, Bhubaneswar, Berhampur, Rayagada, etc. in Orissa and Visakhapatnam, Vizianagaram, Srikakulam etc. in Andhra Pradesh. Express trains like Bokaro Allepy, Samata, Samaleswari etc link Gunupur via Rayagada and trains like Howrah - Chennai Mail, Guwahati- Coachin Express, Falaknuma Express and all other south bound trains link Gunupur at Palasa, by many local buses.

Resource Persons

Dr. Ganapati Panda, IIT, Bhubaneshwar
Dr. M.R. Patra, Berhampur University, Berhampur
Dr. R.P. Panda, VSSUT, Burla
Dr. P.S. Avadhani, Andhra University
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Dr. B.D. Subudhi, NIT, Rourkela
Dr. V. Naga Lakshmi, GITAM University, Vizag
Dr. B. Majhi, NIT, Rourkela
Dr. N.B. Venkateswarlu, AITAM, Tekkali
Dr. S.N. Dehuri, FM University, Balasore
Dr. P.K. Behera, Utkal University, Bhubaneswar
Dr. S. Chattopadhyay, NITTTR, Kolkata
Dr. P.K. Satpathy, CET, Bhubaneswar
Dr. S.C. Satpathy, ANITS, Vizag
Prof. M. Murali, VEIT, Vizag

REGISTRATION FORM

AICTE SPONSORED STAFF DEVELOPMENT PROGRAMME ON

“Machine Learning Methodologies
and their Applications”

(27th April - 11th May, 2010)

Gandhi Institute Of Engineering &
Technology, Gunupur, Orissa.

Name:

Designation:

College/University:

Educational Qualification:

Teaching /Research / Professional

Experience:

Research Interest:

Address for communication:

Phone (O/R):

Mobile No:

e-mail:

Food Habit: (VEG/NON-VEG):

Accommodation Required
(Yes/No):

Date

Signature

Signature of Institute Head with
Seal