



POORNIMA

INSTITUTE OF ENGINEERING & TECHNOLOGY

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NAAC and NBA

REPORT
ON

Second National Level Online Faculty Development Programme

On
Machine Learning Using Python

Date- June 8th to June 10th 2020

Organized By-

Department of Computer Engineering

Poornima Institute of Engineering & Technology

ISI-2. RIICO INSTITUTIONAL AREA, SITAPURA, JAIPUR – 302022

RAJASTHAN, INDIA

www.piet.poornima.org

Sponsored By-





POORNIMA
INSTITUTE OF ENGINEERING & TECHNOLOGY

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NAAC and NBA



**Department of Computer Engineering
Presents
Second National Level
Online
Faculty Development Programme
On
Machine Learning
Using
Python
(June 8th to June 10th 2020)**

Contact

Mr. Deepak Moud (Convener)

Phone No.-7568748510,

Email-deepakmoud@poornima.org

www.piet.poornima.org

Second National Level Online Faculty Development Programme

Date June 8th to June 10th 2020		Time-10:00 AM-12:00Noon
Mode- Online (Google Meet)		Participants Registered-420
Resource Person	Mr. Deepak Moud, HOD, CS, PIET Ms. Pooja Sharma, Asst. Professor, CE, PIET	Selected Participants for FDP-290 FDP Attended-150
Mode of FDP: Presentation and Hands on Google Colab.		

Detailed Report

Department of Computer Engineering, Poornima Institute of Engineering & Technology has conducted **National Level Online Faculty Development Programme on Machine Learning Using Python** from June 8th to June 10th 2020.

The Objective of FDP was

- To understand Unsupervised Machine learning & its use cases.
- To implement clustering algorithm on real time data.
- To implement association rule mining on real time data.
- To apply feature extraction & selection methods.

FDP addressed the Introduction of machine learning, types of learning, & implementation of unsupervised machine learning algorithms using python. This workshop got great response from all over **India and 420** registrations took place. This FDP was designed to understand Un supervised Machine learning like clustering & association over real time data. **Eventually 150 participants have been trained by Mr. Deepak Moud and Ms. Pooja Sharma Assistant Professor, Department of Computer Engineering, PIET.** Mr. Sandeep Tuli, Dy.

HOD (CE) coordinated with all participants regarding their daily FDP attendance & distribution of E-Certificates.

Dr. Dinesh Goyal, Director, PIET inaugurated the FDP, in his inaugural address, he welcomed all the participants & stressed upon the importance of machine learning & use of innovative practices in the field of computer engineering. He also shared the success stories of institution in terms of NAAC & NBA accreditation programme.

On **Day-01** of FDP Mr. Deepak Moud explained explained the introduction of ML, types of ML, applications & need of data preprocessing in machine learning experiments. he also discussed real time examples & case studies of machine learning. In second session Ms. Pooja Sharma started first with clustering & implementation of hierarchical clustering using python.

On **Day-02** of FDP Mr. Deepak Moud discussed K-Means clustering using python then Ms. Pooja Sharma explained Association rule mining using apriori algorithm using python over real time data.

On **Day-03** of FDP Mr. Deepak Moud explained DBSCAN clustering algorithm over real time students data then Ms. Pooja Sharma explained dimensionality reduction using PCA in python.

At last all participants shared their feedback & their excellent learning throughout the FDP. All participants were asked to attempt online quiz that was designed based upon four days FDP content. **Dr Dinesh Goyal, Director, PIET** thanked all participants for their four days continuous learning & asked them to enroll in different other activities of PIET also. He has praised all the efforts made by trainers & organizing committee for their excellent efforts to make FDP successful. All participants were awarded with E-Certificate at the end of FDP for successful participation in FDP.

FDP PHOTOGRAPHS

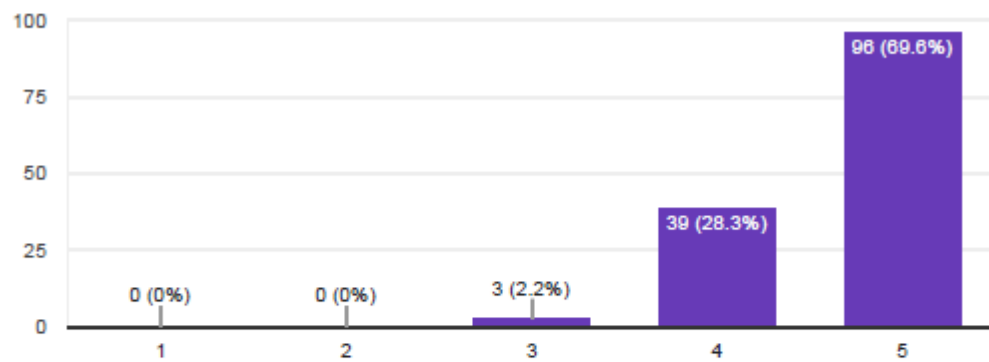




Feedback summary

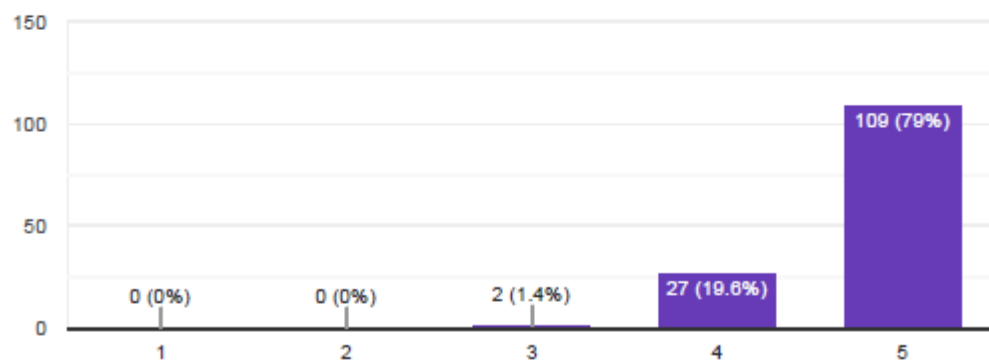
The Workshop broadened my understanding of concepts and principles in the field of Machine Learning

138 responses



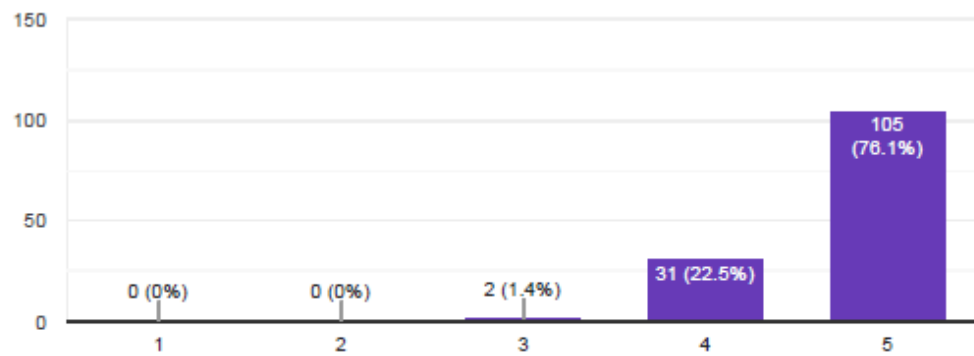
The instructors' knowledge of the subjects was good

138 responses



The instructors explained the material well.

138 responses



The Practical sessions increased my understanding in machine learning using python

138 responses

