

One Week FDP on "Deep Learning and Artificial Intelligence "

in collaboration with E-summit IIT Roorkee, Finland Labs

Report

"Deep Learning and Artificial Intelligence ", one Week FDP organized by Department of Computer, Information Technology and Master of Computer Application, VESIT in association with E-summit IIT Roorkee Finland Labs from 2nd July 2018 to 7th July 2018. Total 60 participants were registered from various institutes for the same.



Participants of Faculty Development Program – Deep Learning and AI

Inauguration session was held on 2nd July 2018 in Room No. 523 at VESIT. The Convenors and the speaker, Mr. Venkat L. Raju, Data Scientist, Igebra Inc., Hyderabad, India inaugurated the session by lightening the lamp followed by speaker introduction. After the inaugural function, 1st day session was started with the basics of Machine Learning and Artificial Intelligence. Machine Learning algorithms and its applications were discussed in the post lunch session.

Day 2 started with Neural Network concepts and Deep Learning. Speaker discussed about the flow of Artificial Neural Network architecture, various algorithms and its benefits. He also mentioned about the applications of neural network in solving real world problems. In the post lunch session, Convolution neural network of Deep learning was explained clearly stating that how the features are extracted from the images to train the network.





FDP Session on "Neural Network and Deep Learning"

Day 3 to Day 5 sessions were conducted in Lab 506. In Day 3, Basics and object oriented concepts of Python programming language was practiced. In day 4, different machine learning algorithms such as classification and clustering were executed with various case studies using Spider notebook of IDE Anaconda version 3.5. Day 5 started with the Tensor Flow software installation, followed by the practice of Deep Learning algorithms.








Practice Session on "Machine Learning and Deep Learning" at Lab 506, VESIT

Day 6 was conducted by Mr. Richard Joseph, Faculty, VESIT. He explained machine learning pre-processing concepts and execution of algorithms such as

Apriori, k-means and Decision Tree using the resources from Super Data science web source. Finally, session concluded by saying vote of thanks from course co-ordinators.

FDP Brouchure

**FDP-2018, E-Summit IIT Roorkee in Collaboration with
Vivekanand Education Society's Institute of Technology, Mumbai**

6-Days Faculty Development Program on "Deep Learning and Artificial Intelligence"

DATES OF TRAINING: 02ND JULY TO 07TH JULY 2018

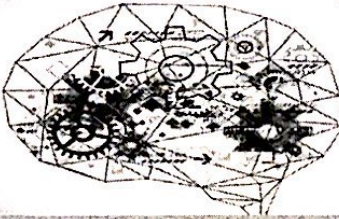
Hands on Deep Learning And AI

- What machine learning is and how it is related to statistics and data analysis.
- How machine learning uses computer algorithms to search for patterns in data.
- How to use data patterns to make decisions and predictions with real-world examples.
- How to uncover hidden themes in large collections of documents using topic modeling.
- How to prepare data, deal with missing data and create custom data analysis solutions for different industries.

5-Days Course Outlines for Deep Learning and AI

- Introduction to data analytics & Intelligence Statistics,
- Neural Networks, Genetic Algorithm,
- Business Analysis, Pattern and Models,
- Working on Various Python Library
- Data Mining Warehouse and OLAP,
- Data preprocessing, Mining algorithms,
- Clustering, Advanced techniques,
- Prediction, Mining real data,
- TensorFlow

Benefits/Takeaways /Motivation
The Certificate of Participation in Association With E-Summit IIT-Roorkee
Registration fee: Rs.2500/- per attendee
(The fee includes: Training, certification)
FDP-2018 Contact Details
[HTTP://WWW.FINLANDLABS.COM/FACULTY-DEVELOPMENT-PROGRAM/](http://www.finlandlabs.com/faculty-development-program/)
+91-7053133032 / 8505838080



**DEEP LEARNING
And Artificial Intelligence**

THE WORKSHOP OBJECTIVES
THIS PROGRAM AIMS AT PROVIDING AN OPPORTUNITY FOR PARTICIPANTS TO ENRICH THEIR KNOWLEDGE AND SKILL IN DEVELOPING VARIOUS SOLUTIONS FOR SOLVING ENGINEERING PROBLEMS IN THE SOCIETY. THIS WORKSHOP SERVES AS A PLATFORM FOR RESEARCH SCHOLARS, FACULTY, ENGINEERS AND STUDENTS TO INTERACT ON CUTTING EDGE TECHNOLOGIES.

ZONAL CENTER DETAILS

VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY, MUMBAI

CONVENORS:
DR. NUPUR GIRI (HOD, COMPUTER DEPARTMENT)
DR. SHALU CHOPRA (HOD, IT DEPARTMENT)
MRS. NISHI TIKKU (HOD, MCA DEPARTMENT)

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DATES OF TRAINING: 02ND JULY TO 07TH JULY 2018



Prिया R.L.
(Mrs. Priya R.L.)