

About CRISP

CRISP is established under the Indo-German Technical Cooperation Agreement as an autonomous organization of the Dept. of Technical Education, Skill Development & Employment, Govt. of M.P.

CRISP provides technical training and consultancy services for Industry Personnel, Government Officers, Faculties of Academic & Training Institutions, Students & Jobseekers. CRISP is equipped with the state-of-the-art labs & technology, latest software, qualified, trained and experienced trainers in the relevant fields.

Other training programmes in CS/IT :

AI & Data Science:

- AI & ML
- ML with Python
- Advance Data Analytics
- Power BI
- Tableau

Office Management With AI:

- Accounting with Tally Prime
- Advanced Excel & ChatGPT
- MS Office/Open Office

Programming Languages:

- Java J2SE
- CISCO Programming Essentials in Python

Networking & Cybersecurity:

- CISCO CCNA
- Cloud Computing L1
- Cyber Security & Ethical Hacking
- Linux Administrator
- CISCO Networking Essentials
- CISCO IT Essentials (PCRM & Networking)

Database Management:

- ORACLE Database (SQL AND PL-SQL)



Patron Clients of CRISP



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(Established under Indo-German Technical Co-operation)

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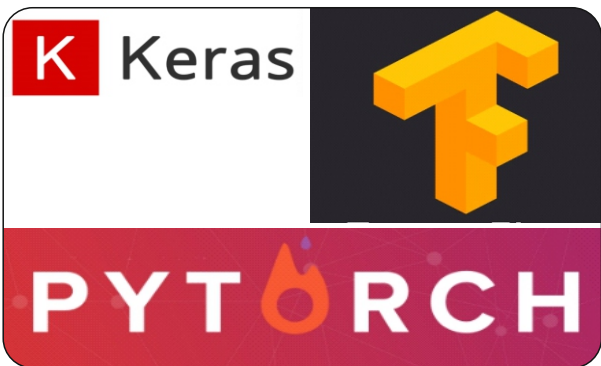
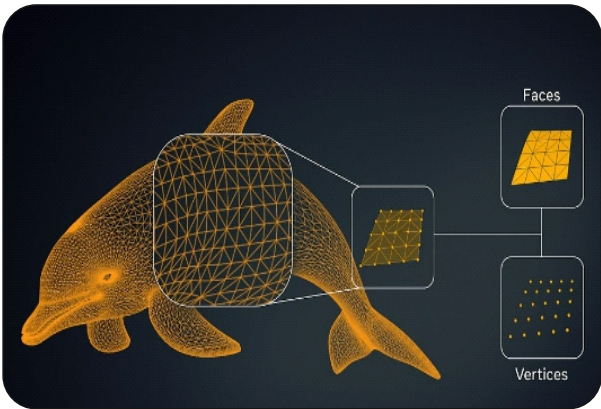
www.crispindia.com

Deep Learning



...unleashing the full potential of men & machines

Deep Learning



Introduction of Course

This course is an elementary introduction to a machine learning technique called deep learning (also called deep neural nets), as well as its applications to a variety of domains, including image classification, speech recognition, and natural language processing. Along the way the course also provides an intuitive introduction to basic notions such as supervised vs unsupervised learning, linear and logistic regression, continuous optimization.

Course Contents

Module 1:

What is Deep learning

- Introduction to Artificial neural networks
- Activation functions
- Gradient descent
- Backpropagation
- Implementation of ANN

Project 1:

Artificial Neural Networks to solve a Customer Churn problem

Module 2:

Introduction to Convolutional Neural Networks (CNN), Pooling, Flattening, Cross-Entropy Implementing a CNN

Project 2:

Convolutional Neural Networks for Image Recognition

Module 3:

- Introduction to Recurrent Neural Networks
- Vanishing Gradient Problem
- LSTM
- Implementing RNN
- Evaluating and improving RNN

Project 3:

Recurrent Neural Networks to predict Stock Prices

Methodology

The programme consists of a mix of :

- Lectures and presentations
- Demonstrations
- Interactive discussions
- Hands-on practice

Pre-requisite

- 12th/ITI/Diploma/Degree.
- Working knowledge of Computer

Duration

Full time : 10 working days (7 hours/day)

Part time: 30 working days (2 hours/day)

Course Fee

Corporate participant: Rs.35,000/-
(Non Residential) + GST

Fee will be subsidized for Jobseekers/students

Mode of Payment

Cash / UPI/ Online/ Debit/ Credit Card