

Jadavpur University
Computer Aided Design Centre
Faculty Council of Engineering and Technology
Kolkata-700032

Certificate Course on
Deep Learning & Tensor Flow

Course Duration: 40 hrs

Class Duration: Theory Sessions: 2 hrs each; Practical Sessions: 2 hrs each

Eligibility: Higher Secondary or Equivalent with sound knowledge of Python and basic concepts of Data Science.

Participants must have mobile devices running Android 4.0.3 or above; laptop/desktop computer with Windows; and stable internet connectivity. Google Meet should be preinstalled the mobile device.

Course content:

SI. No	Topic	Theory	Practical	Total Coverage
1	Introduction to Deep Learning	1	N/A	1
2	Concept of ANN Application of ANN	1	1	2
3	Concept of RNN Application of RNN	1	1	2
4	SOM Intuition & Build + Practice	1	1	2
5	One Case Study (Real Life Project)	N/A	1	1
6	Boltzmann Machine Intuition	1	1	2
7	Auto Encoding with Practical	1	1	2
8	Data Pre-Processing	1	1	2
9	Advanced Regression	1	1	1
10	Concept & Application of NLP	1	1	2
11	Tensor Flow Theory + Application using Practical Data Set	1	2	3

* Before taking admission follow our course on Data Science Using Python

Doubt Clearing Session: One Session for 1 hr at the end of the course

Final Project Submission: One Day Demonstration of Project Work

Certificate: Completion certificate (in printed form) will be provided at the end of the course.