Course Prospectus

Name of the Group: AI

Course Name: Certificate course in Machine Learning

Course Code: AI 100

Start Date: 16-07-2019

Duration: 160 Hrs

Last date of Registration: 01/07/2019

Course Coordinator: Krishna Nand Chaturvedi

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Email: knchaturvedi@nielit.gov.in

Preamble:

This course offers a wide knowledge of Machine Learning and their applications with the help programming in Python and foundation in Mathematics.
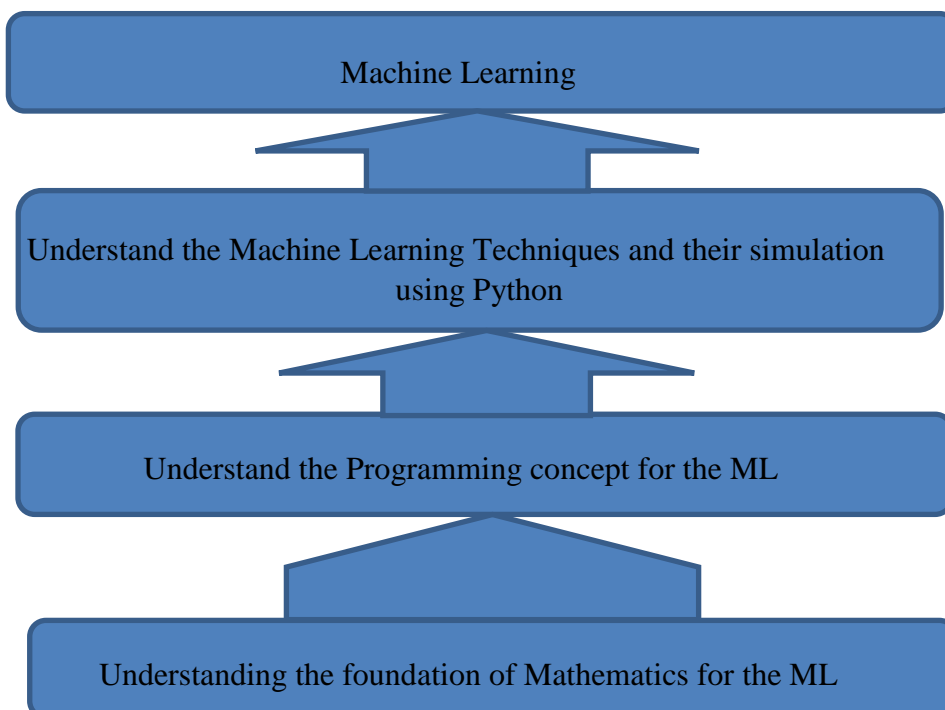
Objective of the Course:

The objective of this course is to introduce to students to the fundamental of machine learning. This course is designed to provide the knowledge of neural network and classification.

Outcome of the Course:

The students will be able to implement and simulate the neural network for classification skills using Scilab in the field of machine learning.

Full Flow of Course

Course Structure

AI 100	Module Name	Duration (in Hours)
AI 101	Mathematical Foundation for Machine Learning	20
AI 102	Python Programming for Machine Learning	20
AI 103	Machine Learning Using Python	80
AI 104	Mini Project	40
Total Duration		160

System Requirements

Recommended:

Processors: Intel Core i5 processor 4300M at 2.60 GHz or 2.59 GHz, 8 GB of DRAM
Disk space: 2 to 3 GB

Minimum:
Disk space: 1 GB
Python versions: 3.6.X

Software:
Anaconda Distribution
PIP and NumPy: Installed with PIP, Ubuntu, Python 3.6.2, NumPy 1.13.1, scikit-learn 0.18.2

Other Details:

Course Fees:

For General Candidates: *Rs.11, 800/-* (Eleven Thousands Eight Hundred Only) (***Including GST***)

For SC/ST Candidates:

Tuition Fees are waived for eligible SC/ST students under the reservation policy (SC: 15%, ST: 7.5% of total seats). However they are required to remit an amount of **Rs.1000 /-** as advance caution/security deposit. This amount will be considered as caution/security deposit and will be refunded after completion of the course. If the student fails to complete the course successfully this amount along with any other caution/security deposits will be forfeited. Any other SC/ST candidates admitted over and above the reservation policy have to pay complete fee.

Registration Fee: *(Non-refundable)*

SC/ST: No registration fee

Others: **Rs 500 /-.**

However the above registration fee shall be refunded on few special cases as given below:

1. If course postponed and new date is not convenient for the student.
2. If course cancelled.

Course Fee Instalment Structure: *Not applicable for this course*

Eligibility:

✓ M.E./M.Tech/B.E./B.Tech/DOEACC B Level/Any Master Degree with Knowledge of Mathematics/Statistics and Computer Programming.

✓ Candidates who have appeared in the final semester examination and awaiting results may also apply. However, they have to submit proof of passing all semester examination/final degree at the time of completion of the course. Otherwise no certificate will be issued.

✓ On the date of counselling/admission, the candidate must produce the original mark lists up to the last semester/year of examination.

Number of Seats: 30

How to apply:

Candidates can apply online in our website http://14.139.173.196/reg. Payment towards non-refundable registration fee can be paid through any of the following modes:

✓ Online transaction: Account No: 31185720641 Branch: Kottur (Chennai), IFS Code: SBIN0001669.

✓ Pay through Nationalized Bank Debit Card (Service charges applicable)

✓ DD drawn from a nationalized bank (preferably SBI) in favour of "NIELIT Chennai" payable at Chennai.

Note: The Institute will not be responsible for any mistakes done by either the bank concerned or by the depositor while remitting the amount into our account.

Last date of Registration: 01-07-2019

Selection of candidates: Admission based on the marks in their qualifying Examination

Admission Procedure:

All interested candidates are required to fill the Registration form with the fees (Registration and Course fees) before 01-07-2019 with all the necessary following documents.

- Original and self-attested Copies of Proof of Age, Qualifications, etc.
- One passport size photograph and one stamp size photograph for identity card.
- Self-attested copy of Govt. issued photo ID card (AADHAR is mandatory for SC/ST Candidates).
- Self-attested copy of community certificate (if availing SC/ST fee concession)

Note: Working days are from Monday to Friday. Admission timings are from 09.00 am to 05.30 pm.

Discontinuing the course: No fees under any circumstances shall be refunded in case of a student discontinuing the course. No certificate shall be issued if discontinued.

Course Timings: This program is a practical oriented one and hence there shall be more lab than theory classes. The classes and labs are from 9.30 am to 5:30 pm and Monday to Friday.

Location: NIELIT Chennai is located at Gandhi Mandapam Raod, Kotturpuram, Chennai (Landmark: Opp. to   Anna Centenary Library)

Address: National Institute of Electronics and Information Technology Chennai Centre, ISTE Complex, No. 25, Gandhi Mandapam Road, Chennai – 600025

E-mail: training.chennai@nielit.gov.in / Phone: 044-24421445

Course enquiries: Students can enquire about the various courses either on telephone or by personal contact between 9.15 A.M. to 5.15 P.M. (Lunch time 1.00 pm to 1.30 pm) Monday to Friday.