
Short Term Training

Course Name : **Certificate course in AI/ML using Python**
Duration : 4 Weeks/40 Hrs. (Theory: 16 Hrs. & Practical: 24 Hrs.)
6 Weeks/60 Hrs. (Theory: 16 Hrs., Practical: 24 Hrs. & Project: 20 Hrs.)
Prerequisite : Basic knowledge of Python programming languages
Eligibility Criteria : Diploma/B.E./B.Tech. in CS/IT/ECE/Instrumentation (Pre-final year/Final year/Passout candidates)

Objective : This course is designed to introduce the students to the emerging world of Artificial Intelligence and Machine learning. The course contains good amount of practicals, which can be done in an online mode as well. It provides students a theoretical background as well as knowledge of important libraries used in machine learning. After completing this course, the trainees will be able to:

- Acquire interest in AI/ML
 - Know various methods of AI/ML
 - Current ongoing research in the field of AI/ML
 - Understand how machines learn and update themselves
 - How to make use of existing AI/ML related libraries
 - Develop certain AI/ML based project as per their interest
 - Relate AI/ML with their current field of specialization
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Topics/Units :
1. Review of Python Programming and AI/ML Libraries
2. Introduction to AI & AI Applications
3. Machine Learning & types
4. ML Algorithms
5. Deep Learning
6. Neural Network If Time permits)

Trainer Details : Jitesh Kumar Prajapat
Scientist-B, NIELIT Kurukshetra
E-Mail: jitesh.prajapat@nielit.gov.in

For more details, contact at:

Website : <https://nielit.gov.in/kurukshetra/>

Phone : 01744 278035

E-Mail : training.kkr@nielit.gov.in

Address : NIELIT Kurukshetra, Government Polytechnic Campus, Umri, Kurukshetra, Haryana - 136 131