

# Foundation & Intermediate Diploma in Artificial Intelligence

## Get International Jobs

### Who can do?

- The candidate who would like to pursue their career in the field of Artificial Intelligence, Deep Learning with Big Data Analytics
- Intermediate, University students and professionals Candidates
- Freelancers and entrepreneurs seeking skills to develop products and services to fulfill future industry demands.
- Professionals other than Information Technology can also Join
- People who are working in the software development domain, they would also join improve their knowledge and secure their job.
- Senior Managers, Programmers, Analysts, and other professionals, who would like to enhance

**100,000+ Students  
have been Trained**

since  
1997

**Program is  
offered by**

**3D EDUCATORS  
INT**  
22 Years of  
Excellence in  
Training &  
Development

**Invest in  
People the  
only Asset  
that Appreciates**



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## About the Program & Instructor

Artificial intelligence will define the brand new approach towards the businesses by the government or private organizations and life of individuals. A quick and softer definition of Artificial Intelligence would be, “augmenting human skills and intelligence” It applies to almost all walks of life, whether it’s about home automation, recognizing human faces, or performing complex tasks like medical diagnosis through medical scans or sounds. Artificial Intelligence is not to replace existing systems directly but to improve inputs and outcomes of these legacy systems and where required introduce new tools for further improvements. Simple goals of AI would remain a) Intelligent Automation of the Processes b) Minimize Costs c) Maximize Productivity & Efficiency d) Improve Margins and Profitability.

## Inauguration

The Training Program shall be inaugurated by a senior member of 3DEducators and President of 3D Group.

## Program Structure

No of classes per week **02 - Class**  
Duration of each class **03 - Hour**

## Other Learning Activities For Each Module

Classroom Assignments	<b>10</b>
Presentations by Trainees	<b>02</b>
Case Studies	<b>06</b>
Project	<b>01</b>



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## LEARNING OUTCOMES.

At the conclusion of the course, students should be able to:

- Establish a firm understanding of the concepts of Artificial Intelligence and related technologies.
- Learn Programming Concepts with python
- Identify rooms for improvement in processes across the organization.
- Ability to conceive a use case in his/her job role or identify a fit case scenario in his/her organization.
- Using tools and knowledge provided during the course be able to develop a functional chatbot using the power of Natural Language AI in conjunction with Sound AI
- As an entrepreneur identify a business use case or as an employee discover organization need and to automate a certain task to minimize cost and maximize efficiencies, design, and develop machine learning models to detect various types of objects and take appropriate action according to the requirements.
- As a marketer or researcher develop algorithms to analyze social media messages and posts.
- Develop models and algorithms for realistic sales forecasting or HR turnover.



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This course will enable candidates to step into the future by learning cutting edge and revolutionary technologies today. Candidates will learn the fundamentals of artificial intelligence, machine learning and develop various skills throughout the duration of the course and improving their concepts accordingly. Various close to real-life use cases will be introduced to the candidates for a more realist and practical approach. For hands-on learning, candidates will understand writing program units to manage data, writing specialized machine learning algorithms to train the models for selected use cases, collecting and organizing data, test their models, and finally build applications to use trained models. Candidates will be introduced to tools and kits helping in quickly developing and testing their models. Towards the end of the course, candidates will be able to write their intelligent chatbot, develop models to identify different types of objects, and perform text classification. The focus in the treatment of these topics will be on breadth, rather than depth, and emphasis will be placed on the integration and synthesis of concepts and their application to solving problems. To make the learning contextual, real datasets from a variety of disciplines will be used.



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## **Program Syllabus**

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If Data is the new Oil, then Artificial Intelligence is the Spaceship to take you to Knowledge Planet. The world is embracing Artificial Intelligence fast so do you have to it, do it now to bring positive, efficient, and productive change to your life and living, your way of doing business, your approach towards solving a problem. Seeking a decent career job locally or abroad, or securing your position in an organization, or if you are a set software development business or a startup, get equipped with the latest tools and technologies.

This training will equip you, all the tools and kits required to learn Artificial Intelligence, our seasoned and well-experienced trainers will provide every essential training and knowledge required to lead in pursuit of absolute Artificial Intelligence knowledge challenge. Get on board with [3deducators.com](http://www.3deducators.com) to make a place for yourself on this platform and world of data sciences



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## **Introduction to Artificial Intelligence & Machine Learning**

Driven by the combination of increased access to data, computational power, and improved sensors and algorithms, artificial intelligence (AI) technologies are entering the mainstream of technological innovation. These technologies include search, machine learning, natural language processing, robotics, and image processing.

In this course, you will learn what Artificial Intelligence (AI) is, explore use cases and applications of AI, understand AI concepts, and terms like machine learning, deep learning, and neural networks.

You will be exposed to various issues and concerns surrounding AI such as ethics and bias, & jobs, and get advice from experts about learning and starting a career in AI. You will also demonstrate AI in action with a mini-project.

This course does not require any programming or computer science expertise and is designed to introduce the basics of AI to anyone whether you have a technical background or not.



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## Python for Artificial Intelligence

- What is Artificial Intelligence?
- Why to choose and learn AI
- Learn Python for developing projects related AI
- Setup your environment
- Python Variables and Data types
- Lists Indexing and Operations
- Conditions statements
- Python Loops
- Access index of elements and List Comprehensions
- Dictionaries and tuples
- Looping Over Dictionaries
- extract keys and values using items()
- Dictionaries Comprehensions
- Functions
- Classes
- Python Libraries
- Basic Machine Learning : Regression and Classifier
- Preprocessing Technique
- Learn Vision Techniques of AI
- Learn Sound Techniques of AI
- Learn Natural Language Processing

A black and white photograph of three business professionals (two men and one woman) in a meeting, looking at a document. The image is partially obscured by red diagonal stripes that sweep across the page.

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## **Developing a Chatbot (AI Sound)**

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## Program Project Work and Hours

- Duration : 3 Months
- Classes Per Week : 02
- Duration of Class : 02 Hours
- Non Guided Hours : 16 hours
- Guided Hours : 32 hours
- Project non guided hours : 48 Hours

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## TERMS & CONDITIONS

### WITHDRAWAL FROM THE CERTIFICATION OR DIPLOMA

Students are not allowed to withdraw from the CERTIFICATION/DIPLOMA. If a student cannot continue the CERTIFICATION his/her fee will be forfeited.

### CONDUCT AND DISCIPLINE

A disciplinary action, leading to rustication, will be taken against students whose conduct is found objectionable at any time during the course of study. Reference will be made to 3D Educators code of conduct.

### EVALUATION AND GRADING

The performance of students is evaluated through continuous observation of a student's performance in the CERTIFICATION/DIPLOMA – class participation, submission of assignments, quizzes and exercises.

The student will be examined through three hourly exams conducted at the midterm and a final exam at the end of the program. Total marks for passing the CERTIFICATION/DIPLOMA will be 70 out of a total of 100.

Students who do not meet the attendance or any other eligibility criteria will not be allowed to appear in the final examination.

The following grading plan will be applicable for the CERTIFICATION/DIPLOMA:

A	B+	B	C+	C	F
87-100	81-86	72-80	66-71	60-65	Below 60

Students who are unable to appear for the final exam are required to submit a written application stating the reason for not appearing for the exam. 3D Educators reserves the right to approve or deny such applications. If approved, the student will be allowed to sit for the exam within one month. Failure to do so, the student will be resubmit the examination fee and sit the future schedule exam. Without passing of the exams no certification will be awarded.



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### **ONLINE LIVE CLASSES FACILITY AVAILABLE**

- Instructor Led Training
- Real Time Presentations
- Interactive Classes
- Complete Notes and Other Stuff shall be provided through our Secure Student Login Member's Area
- For Online Live Classes, you may please download the Admission Form through our website <http://www.3deducators.com>. Fill it properly and attached the required document along with Picture and send back to [info@3deducators.com](mailto:info@3deducators.com) with scanned fee submitted voucher in the bank.
- For Pakistan you may submit the fee at any MCB Branch with the title of "3D EDUCATORS-TRAINERS & CONSULTANTS".
- If you are outside Pakistan then you may transfer via Bank to Bank or any western union, Fast Track, Money Gram or else International Transfer Body.
- After Admission, if you don't have GMAIL Account then you are requested to kindly make one GMAIL Account and shared it [info@3deducators.com](mailto:info@3deducators.com). Then further correspondence shall be made by our institute official.
- Extra Bandwidth Charges shall be incurred.

### **DISTANCE NOT MATTER**

You can join in the live classes Sessions of 3D EDUCATORS – TRAINERS & CONSULTANTS from anywhere of the world.



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## PRECAUTIONARY MEASURES

- During Classes, you are requested to make sure that you are in isolated room, where no noise should be there except your voice.
- Kindly Switch Off your Cell Phone during the class, because it will disturb the quorum of class.
- If you have taken the admission in the course online lonely, then ethically it is recommended and suggested that you alone in the class.
- Recording of Lectures are not allowed at your end.

This world is emerging and growing in the 21st Century very rapidly because of latest and remarkable technologies and its advancement. Due to advancement of technology, we 3D EDUCATORS offer Live Interactive class sessions

3D EDUCATORS believe on Information Technology and its systems. Now you can also avail this facility at your home.

## CONTACT US

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021-34857148,

[info@3deducators.com](mailto:info@3deducators.com)  
<http://www.3deducators.com>

Get the Admission Form

Download Form | 

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