



APPLIED
COURSE



ARTIFICIAL
INTELLIGENCE



12 Months | Online

Post Graduate Diploma in Artificial Intelligence & Machine Learning



About UoH

The University of Hyderabad, a premier institution of post graduate teaching and research in the country, was established by an Act of Parliament on 2nd October, 1974 as a Central University. The University of Hyderabad (UoH) has been ranked seventh best among the Universities in the country by the National Institutional Ranking Framework of MHRD for the year 2017. It was declared as the Best Central University for the year 2015 and given the visitor's Award by the then Hon'ble President of India. UoH also retains its position as one of the major Universities in India in the area of higher education, achieving honours and attaining that set a benchmark.

The University completed all the phases of University with Potential for Excellence (UPE) and recently recognized as autonomous under Grade-1 category as per UGC-MHRD regulations. The University has also received best rankings in QS & as well as NIFR rankings.

The University was evaluated by the National Assessment and Accreditation Council (NAAC) and awarded the top grade 'A++'. The University has gone through the re-accreditation process of the NAAC and the NAAC has awarded 'A++' Grade.

The University has also been rated by the National Information System for Science and Technology (NISSAT) of the Department of Scientific and Industrial Research (DSIR), Govt. of India as the only University under the "High Output High Impact" category among the top 50 institutions in India with applications in citation – index journals. As per a recent report using data from SCOPUS, taking into account the multi-disciplinary performance, the University of Hyderabad has been ranked as No. 1 among the top 25 Universities in the country.

Program Introduction

The Post Graduate Diploma (PGD) in Artificial Intelligence and Machine Learning jointly offered by Applied AI Course and The Center For Distance & Virtual Learning CDVL) of the University of Hyderabad (UoH) aims to train the participants by academic and industry experts for a rewarding career in Artificial Intelligence.

The program attempts to teach some of the core ideas in Machine Learning (ML), Data science and Artificial Intelligence (AI) that would help the participants go from a real-world business problem to a first cut, working and deployable AI solution to the problem. The primary focus is to help participants build real-world AI solutions using the skills they learn in this program. This program will focus on practical knowledge along with mathematical and theoretical rigor for a well-rounded learning experience.

The program is for 12-months duration, completely online with few contact classes at University of Hyderabad campus and it can be pursued by both working professionals and graduate students without having to take a break from Work or Graduate School. The programme does not require any pre-requisite knowledge and teaches everything from scratch, focusing on building skills that will enable participants to break into this fast-growing field.

Some of the key highlights of the program include but not limited to: Build requisite skills to solve real world problems in Artificial Intelligence; Access to career support services such as mentorship from leaders both from the industry and academia; Placement assistance through 100+ hiring companies and Career transition support for working professionals.



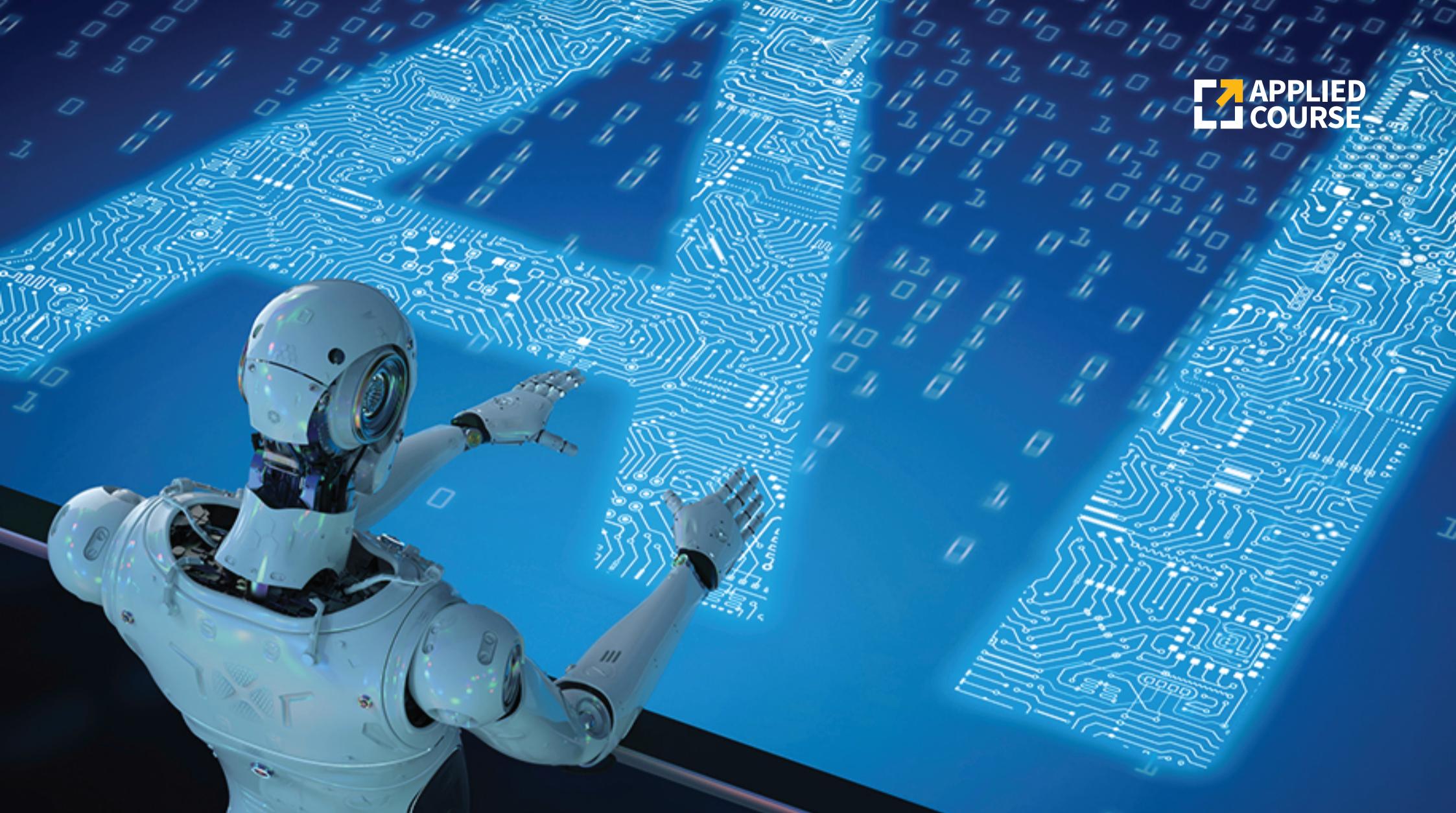
Program Details

Highlights

- ✓ 12 Months duration
- ✓ 250+ hours of Learning content
- ✓ Mentorship by Industry Experts
- ✓ 60+ hours of live sessions
- ✓ 15+ Industry Projects
- ✓ 6 Contact Classes at UoH
- ✓ Capstone project (Thesis)
- ✓ 24X7 Learning Support
- ✓ Assured Career Assistance

Key Features

- ✓ Most Affordable 1 year PG Diploma Program
- ✓ Approved by UGC (Govt. Of India)
- ✓ No need to quit your job, learn while you work, at the comfort of your home
- ✓ Curriculum design focus on both academic rigor and industry-relevant skills.



Program Details

Who is this program for?

- ✓ Working personnel looking to improve their skills and knowledge
- ✓ Fresh graduates wishing to acquire qualification and improve their employability.
- ✓ Students pursuing other full time or part-time post graduate courses in Universities/Institutions

What can this program help you achieve?

- ✓ Acquire strong technical skills required by hiring companies
- ✓ Build necessary skills and relevant experience via real world projects
- ✓ Understand practical data science/ Machine Learning use- cases
- ✓ Develop excellent problem solving skills for Machine Learning & Data Science projects

Program Curriculum

The program curriculum is designed with both academic rigour and industry-relevant skills.

The programme is spread over two terms for a duration of 12 Months.

Semester 1

Subject 1

Essential of AI (6 Credits)

Python, SQL, Linear Algebra, Basics of Probability

Subject 2

Data Analysis & Visualization (6 Credits)

Plotting, Statistics for Data Analysis, Dimensionality Reduction, Visualizing High Dimensional Data and Real-world end to end case-studies.

Subject 3

Machine Learning (6 Credits)

Calculus and Numerical Optimisation, Classification, Regression and Clustering algorithms, and Real-world end to end case-studies.

Semester 2

Subject 1

Advanced Machine Learning (6 Credits)

Recommender Systems, Matrix Factorization, Neural Networks, Advanced Optimisation methods and Real-world end to end case-studies.

Subject 2

Deep Learning (6 Credits)

CNNs, RNNs, Transformers, TensorFlow and PyTorch and Real-world end to end case-studies.

Subject 3

Thesis Project (8 Credits)

Industry or Research focused Thesis.

Languages And Tools



Projects

An industry/Research project will be a part of your program to consolidate your learning.

Industry projects will ensure you have the real-world experience to start your career in Artificial Intelligence & Machine Learning

Here is a sample set of projects which you will be working as part of this program



Question Similarity



Movie Recommendation System



Fashion Discovery Engine



Stack overflow Tag Predictor



facebook friend recommendation using graph mining



Demand Prediction



Diagnosis using medical records



Build An Autonomous Car

Projects

❖ Question Pair Similarity – Web Analytics

Learn to identify question pairs having same intent and detect duplicate questions by using Natural Language Processing (NLP) and advanced Machine Learning Techniques.

❖ Movie Recommendation – Media

Learn to build recommendation systems to model individual user preference on Over-The-Top (OTT) media service platforms such as Netflix.

❖ Amazon Fashion Discovery Engine – Online Retail

Learn to build a recommendation engine which suggests similar apparel products to a given apparel product on any e-commerce websites such as Amazon.

❖ Tag predictions for questions – Web Analytics

Learn to develop a high-performance automated tagging system to aid topic discovery in Stack Overflow, a popular online community to learn and share knowledge.

❖ Social Network Friend Recommendation – Social Media

Learn to use directed social network graphs to predict if given two users are going to be friends on social media websites such as Facebook.

❖ Taxi Fare Prediction – Transport

Learn to use deep neural networks to model a trip fare rate prediction system based on time and location.

❖ Cancer Prediction – Healthcare

Learn to use deep neural networks to model a trip fare rate prediction system based on time and location.

❖ Autonomous car – Automobile

Build an self-driving vehicle by training a neural network to drive an autonomous car agent on a car simulating environment.

Evaluation

The evaluation system of the PG Diploma programme is designed to test the student's progress systematically, through internal assessments as well as Semester-end examinations & Final Project Thesis.

Continuous Evaluation

Marks awarded for Continuous Evaluation (in the ratio 10:30:60)

- ✓ Attendance/Participation in contact classes and practical's. - 10%
- ✓ Internal Assessment or Assignments. - 30%
- ✓ Performance in the term-end examination - 60%

Final Project Thesis

Marks awarded for Final Thesis Project (in the ratio 50:50)

- ✓ 50% of marks awarded by UoH faculty member as an academic supervisor.
- ✓ 50% of marks awarded by external examiner based on viva-voce to be conducted in the presence of the external examiner.

Grading

Successful students will be awarded divisions on the basis of the average marks

- ✓ First Division with Distinction - 75% & above
- ✓ First Division - 60 % & above but below - 75%
- ✓ Second Division - 50% & above but below - 60 %
- ✓ Third Division - 40% & above but below - 50%



UoH (CDVL) will grant



Marks Memo



Provisional
Degree
Certificate



Original
Degree
Certificate

Applied AI Career Assistance

AAIC Career Assistance team is focused on empowering students to use their skills and talent to find the job that is right for them. We will prepare, guide, and encourage you as you put your best foot forward to land that dream job. Through dedication and perseverance, we have watched 1500 + of our graduates go on to do great things.



Placements Cell

The placements team will help you build the job-search skills you need. Throughout the program, we will provide you with all of the tools to become Job ready. We will get you ready to meet our 100 + hiring partners and ensure you are marketable.



Project Portfolio

A portfolio is a way to backup all of the skills you've have learned during the programme and a showcase of your project work through your resume, GitHub and LinkedIn account.



Resume Building

We will help you write a resume that will stand out in the crowd highlighting Machine Learning & Data Science skill-set mapped to your previous professional experience.



Personalized Mentorship

Our team of mentors are dedicated to helping you finish and succeed in the programme. They will provide you personalized mentorship with persistent support and accountability to help you learn efficiently.

Student Outcomes

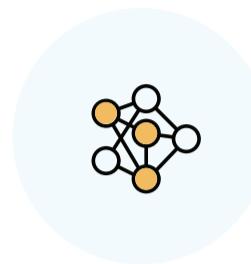
You Could be a



Data analyst



Data scientist



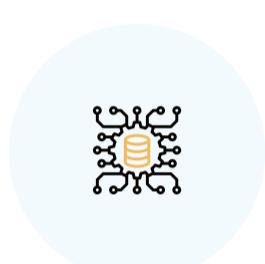
Machine Learning
Engineer



AI Engineer



Business Analyst



Data Engineer



Data Analytics
Consultant

Our Applied AI Course Alumni Work At

 Microsoft

  Flipkart

 QUALCOMM®

 Infosys

 Rakuten

 HCL

 SPi Global

 SAMSUNG

 eMBIBE

 ZOHO

 S&P Global

 accenture

 GE Healthcare

 Fidelity
INVESTMENTS

 TERADATA

 redhat

 TATA
CONSULTANCY SERVICES

 SBI BITS

 intel

 Jio

 VISA

 EY

Admission Details

Selection Process

1

Interested candidates need to submit the application form

2

The candidates selected for admission will be intimated individually via the email

3

Candidates will be issued Provisional admission letter before commencement of the programme

Eligibility

Applicants who have completed their courses/degree or at least have taken their final examinations (awaiting results) – B.E. / B.Tech / B.Sc (Math & Stats) B.C.A / M.C.A/ M.Sc (Math & Stats) / M.Tech / MBA etc.) are eligible to apply for admission into the Programme

Fee

Indian Nationals

Rs 78,000/-

Non-Resident Indian Nationals

Rs 156000/-

Foreign Nationals

\$ 3000

Payments

Candidates can pay the program fee through Net Banking/Credit Card/Debit Card

Program Partners



Applied AI Course

Applied AI Course (AAIC) is a premier Ed-tech company which offers an online program on Machine Learning and Artificial Intelligence teaching practical and applied aspects of Artificial Intelligence. The program has over 15,000 registered active participants across the world. Applied AI Course is also a knowledge partner for large organizations such as Deutsche Telekom, SPI Global, AXA Business, CA Technologies (Now Broadcom) among many others, providing upskilling programs at enterprise level



University of Hyderabad –

Center For Distance & Virtual Learning (CDVL)

As one of the oldest centers of the UoH, CDVL offers Post Graduate Diploma programs that are employable, knowledge- oriented, and skill developing. These programs are approved by the UGC-AICTE-DEC joint committee and are offered through the distance mode. These professional degree programs are designed for the benefit of students in quality learning and practical training.



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