Edu-versity

ARTIFICIAL INTELLIGENCE

SPECIALISED PROGRAM

60 DAYS

Our Alumini work at

Microsoft | Capgemini | Deloitte. | IBM | Adobe | EY Building a better working world | BOSCH

WHO ARE WE?

Edu-versity is a comprehensive platform, bridging the gap between Industry based mentors and students. We have curated a wide range of programs consisting of projects, offering practical knowledge and helping them in shaping their career.

We envision becoming a cost-efficient learning partner for every student by providing flexible, virtual specialised programs in collaboration with top-notch companies designed to inculcate industry-required skills along with personal and professional grooming.

Our organisation works on a basic tenet of Invest, Imbibe and Innovate.

WHY CHOOSE US?

Edu-versity offers end-to-end skillsets, knowedge-based support, and helps students get job opportunities.

Our unique features are:

- Live Mentorship
- Industry Based Projects
- Regular Evaluation
- Guaranteed Internships
- Placement Assistance
- 24*7 Support
- Globally Accepted Certifications
- In Partnership with 150+ startups

WHAT IS ARTIFICIAL INTELLIGENCE?

Artificial Intelligence is a wide-ranging branch of computer science concerned with building smart machines capable of performing tasks that typically require human intelligence. While AI is an interdisciplinary science with multiple approaches, advancements in machine learning and deep learning, in particular, are creating a paradigm shift in virtually every sector of the tech industry.

Artificial Intelligence allows machines to model, or even improve upon, the capabilities of the human mind. And from the development of self-driving cars to the proliferation of generative AI tools like ChatGPT and Google's Bard, AI is increasingly becoming part of everyday life and an area companies across every industry are investing in.

SCOPE OF ARTIFICIAL INTELLIGENCE.

The Artificial Intelligence (AI) market size is projected to surpass around USD 1,597.1 billion by 2030 and is expanding growth at a CAGR of 38.1% from 2022 to 2030.

Scope of AI in different fields:

1. AI in Science and Research
2. AI in Cyber Security
3. AI in Data Analysis
4. AI in Transport
5. AI in Home
6. AI in Healthcare
7. AI in Education

CAREER OPPORTUNITIES

- Machine Learning Engineer
- Data Scientist
- Business Intelligence Developer
- Research Scientist
- Big Data Engineer
- Big Data Architect

HOW CAN YOU START YOUR JOURNEY IN ARTIFICIAL INTELLIGENCE?

Enrol in Edu-versity's specialised program of Industrial Training and Internship in collaboration with 150+ partnered companies. Get taught by industry experts and build 3+ real-time projects.

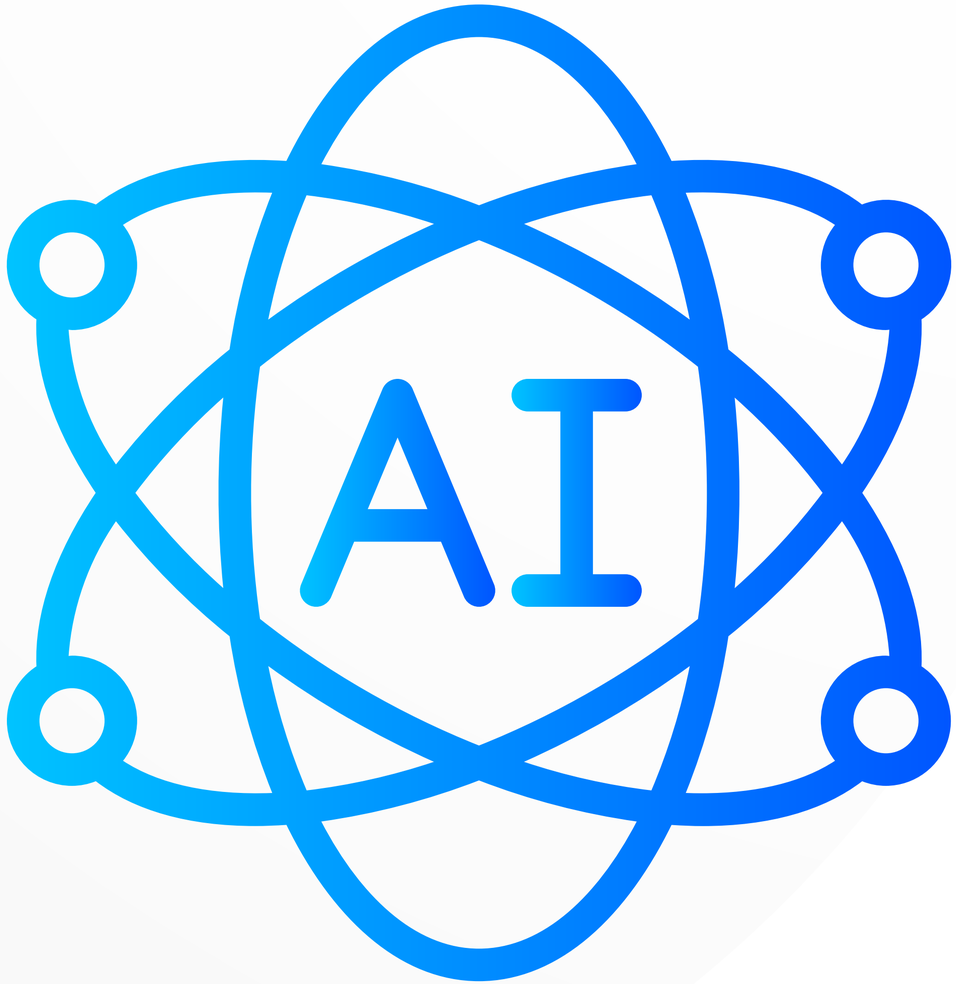
Receive globally accepted certifications and enhance your job opportunities through our placement assistance program.

SPECIALISED PROGRAM CURRICULUM

INDUSTRIAL TRAINING

Session 1

- Introduction to Artificial Intelligence
- What is Artificial Intelligence
- Relevance of Artificial Intelligence
- Scope of Artificial Intelligence
- Relationship between AI, ML, Deep Learning and Data Science
- Features of Artificial Intelligence



Session 2

- Data Science in Artificial Intelligence
- What is Data Science
- Case Study of Netflix
- Qualities of Data Scientist

Session 3

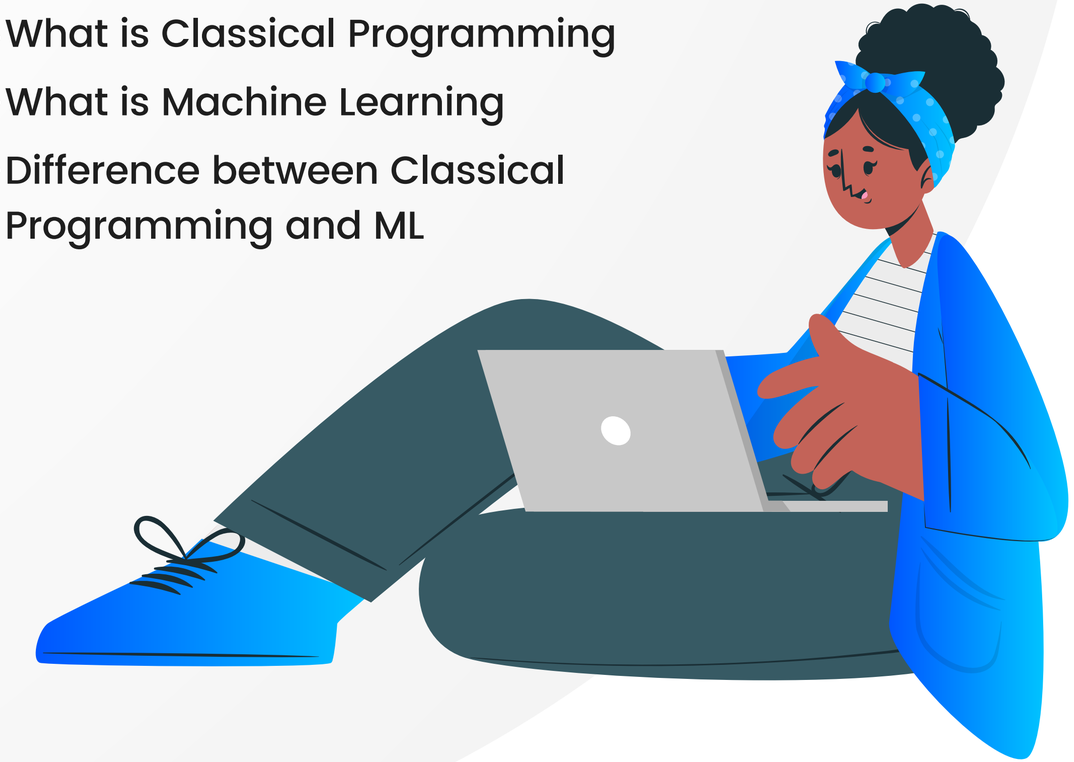
- Hierarchy in Industry
- Types of Hierarchy in Industry
- Industry needs for Artificial Intelligence

Session 4

- Supervised and Unsupervised Learning
- What is Supervised Learning
- Types of Supervised Learning
- What is Unsupervised Learning
- Types of Unsupervised Learning

Session 5

- Machine Learning in Artificial Intelligence
- What is Classical Programming
- What is Machine Learning
- Difference between Classical Programming and ML



Session 6

- Deep Learning in Artificial Intelligence
- What is Deep Learning
- What is Deep Neural Network
- Difference between Deep Learning and Machine Learning

Session 7

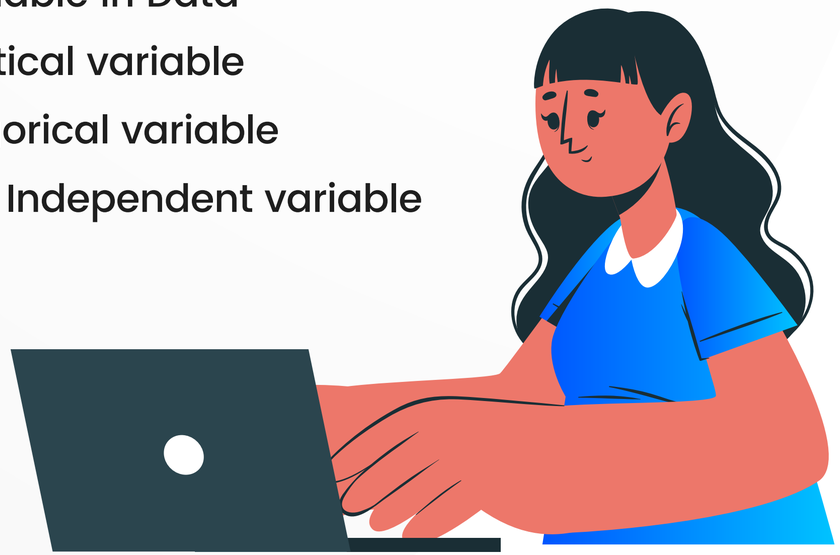
- Machine Learning vs Deep Learning
- Comparitive study of Machine Learning and Deep Learning
- Data driven analogy of Deep Learning

Session 8

- Data Preprocessing
- What is Data Preprocessing
- Training and Testing set
- Installation of Jupyter Notebook
- Importing Data in Jupyter Notebook
- Taking care of Missing value in database
- Usecase of Pandas library

Session 9

- Categorical variable in Data
- What is Categotical variable
- Encoding Categorical variable
- Dependent and Independent variable



Session 10

- Feature Scaling
- Splitting of Dataset
- What is Feature Scaling
- Importance of Feature Scaling

Session 11

- Machine Learning in Detail
- What is Linear Regression
- Case Study of Linear Regression
- What is Classification
- Case Study of Classification
- What is Clustering
- Case Study of Clustering
- What is Hyperparameter Tuning
- Case Study of Hyperparameter Tuning

Session 12

- Multiple Linear Regression
- Relevance of Multiple Linear Regression
- Difference between Linear and Multiple Linear Regression
- Understanding with a Case Study

Session 13

- Logistic Regression
- What is Logistic Regression
- Classification
- Understanding with Social Media Dataset
- Difference between Linear and Logistic Regression
- What is Sigmoid Function
- Creating logistic regression model
- Confusion Matrix and Accuracy

Session 14

- Support Vector Machine
- What is Support Vector Machine
- Usecases of SVM
- What is K-Nearest Neighbours(KNN)
- Naive Bayes
- Kernel SVM
- Decision Tree Classification
- Random Forest Classification

Session 15

- Clustering
- What is Clustering
- Understanding via Mall customers dataset
- Forming clusters based on parameters
- Elbow Method
- Analysing Error
- Plotting and Visualising

QUIZ

ADVANCE INTERNSHIP PROJECTS

Project 1

- Breast Cancer Prediction

Project 2

- Spam News Detection

Project 3

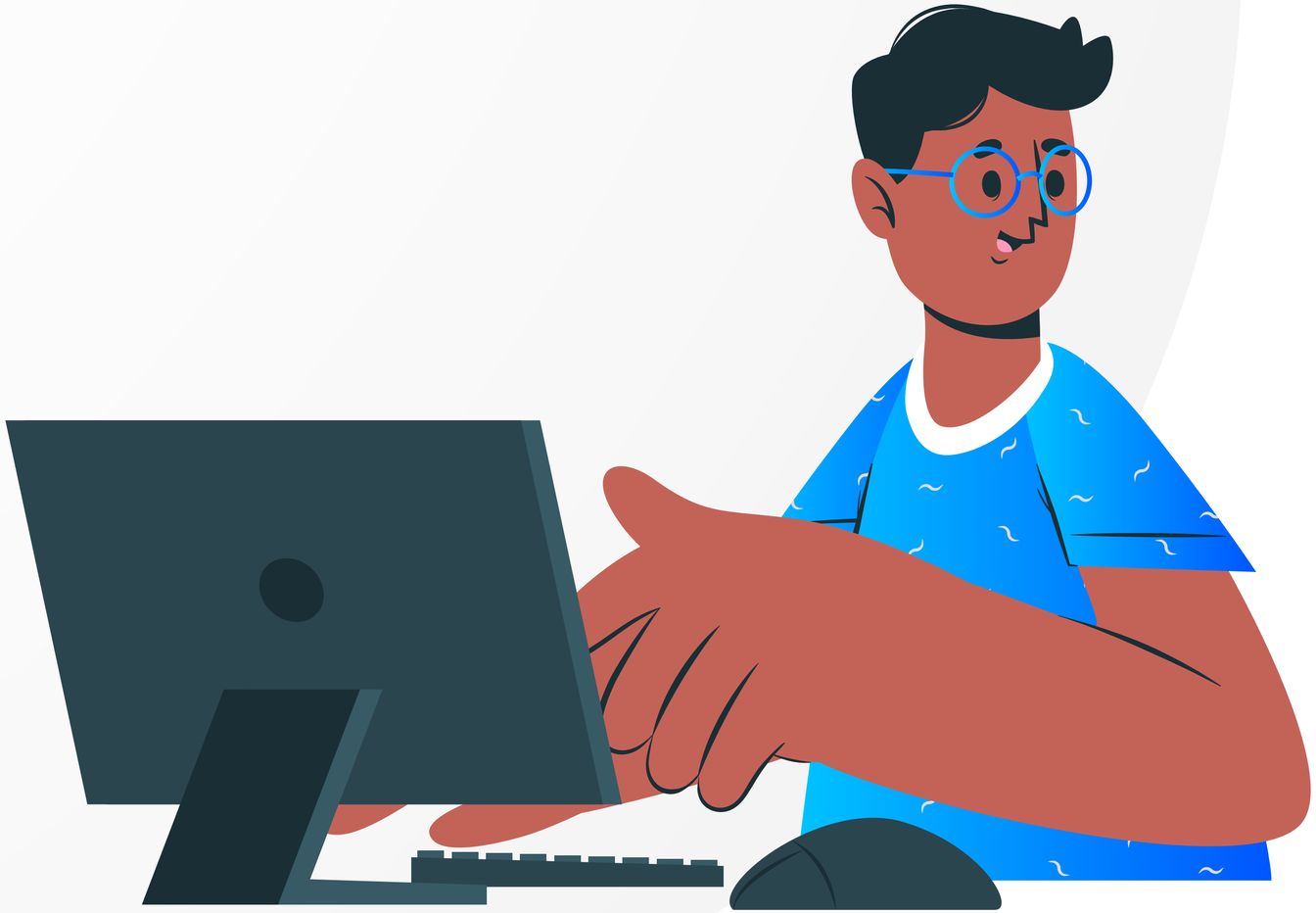
- Handwritten Digit Recognition

Project 4

- Automatic Licence Plate Detection

Project 5

- Covid 19 Detection using Neural Networks



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