ARTIFICIAL INTELLIGENCE

PAVISION INNOVATIONS

INNOVATION FOR THE FUTURE

Unlock Your Future with AI!

Type to enter text Artificial Intelligence (AI) is revolutionising every industry, from healthcare to finance, transportation to entertainment. At Pavision Innovations, we offer a cutting-edge AI course designed to equip you with the skills and knowledge to thrive in this rapidly

Why Choose Our AI Course?

- Comprehensive Curriculum: Our course covers everything from AI fundamentals to advanced machine learning techniques, deep learning, natural language processing, computer vision, and more.
- Hands-On Learning: Learn by doing through real-world projects and case studies. Our practical approach ensures you're ready for real-life AI challenges.
- Industry Experts: Learn from top-notch professionals with years of experience in AI, machine learning, and data science.
- Career Support: Receive career counseling, interview preparation, and access to a network of hiring partners.

Course Outline

Introduction to AI with Python Programming

- Python Basics- Datatypes and Variables
- Functions
- Tuples and Dictionaries
- Conditions and Loops Lists

Python ML Libraries

- Numpy
- Pandas
- Matplotlib
- Seaborn
- DecisionTreeClassier etc.
- Sckit

Mathematics and Statistics for AI with Python

- Vectors
- Null Space
- Probability
- Central tendency
- dispersion
- Charts

Machine Learning-Supervised-Regression

- Linear Regression
- Logistic Regression with example

ML-Supervised-Classification

- Decision Trees
- Random Forest Algorithms with

ML-Supervised-Support Vector Machines

- Real time usage of Support Vector Machine
- Recommendation Systems with examples

ML-Unsupervised Learning-Cluster

- Finding Clusters using Elbow method in Kmeans clustering
- Kmeans Algorithm - mathematical concept
- Euclidean and Manhattan Distance
- Centroid concept

Probability in Machine Learning

- Gaussian Distribution
- Coding for Naïve Bayes using Sklearn

Deep Learning

- Deep Learning Keras Apl
- Neural Networks and their functionalities
- Text Analysis
- RNN
- LSTM Model

Pytorch and Tenserow

- Pytorch
- Tenserow
- Pytorch and Tenserow libraries and their real time usage with examples

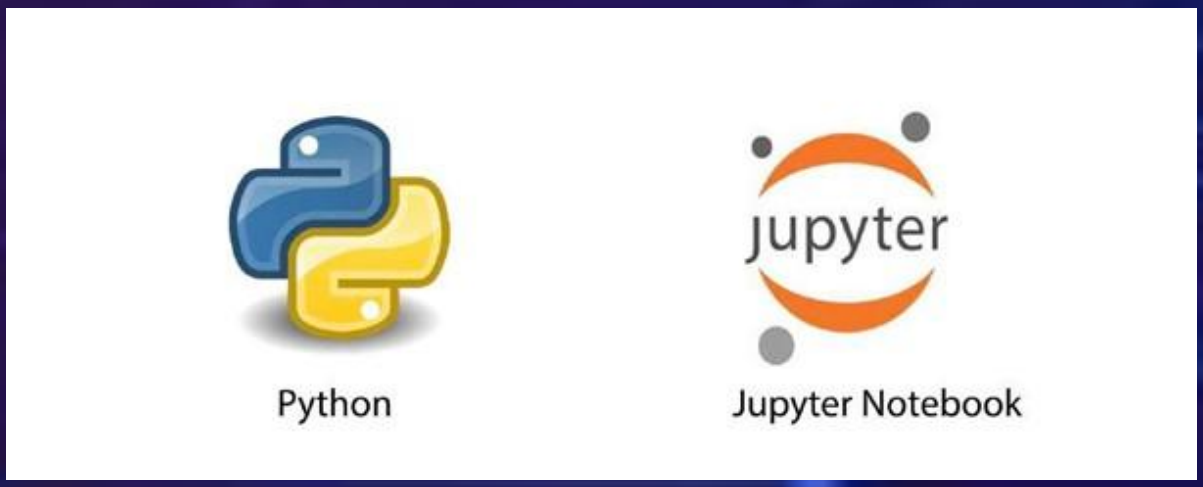
Jhsd

- Stemming
- Dependency Grammar
- Sentiment Analysis
- Text Classication
- TTS

- Probability in Machine Learning

  - GrayScale vs Binary vs BGR Image
  - Filters
  - Kernels
  - Convolutional Neural Network

Tools,Languages,Platforms



Sample Projects

1. Predicting House Prices (Regression Model)

- Skills Involved: Data preprocessing, linear regression, training/testing models.
- Description: Students can use a dataset with housing features (like number of bedrooms, square footage, etc.) to predict house prices.

2. Handwritten Digit Recognition (MNIST Dataset)

- Skills Involved: Neural networks, computer vision, classification.
- Description: A simple neural network or convolutional neural network (CNN) can be used to classify handwritten digits (0-9) from the famous MNIST dataset.

3. Spam Email Detection (Binary Classification)

- Skills Involved: Natural language processing (NLP), feature extraction (TF-IDF), classification.
- Description: Students can build a classifier to distinguish between spam and non-spam emails using machine learning algorithms like Naive Bayes or SVM.

4. Movie Recommendation System

- Skills Involved: Collaborative filtering, matrix factorization, recommendation algorithms.
- Description: Using a dataset like MovieLens, students can develop a recommendation system that suggests movies based on user preferences.

5. Chatbot with Basic NLP

- Skills Involved: Natural language understanding, rule-based or AI-based response generation.
- Description: Students can create a basic chatbot that responds to user queries using simple rule-based techniques or a basic NLP model like Bag-of-Words.

These are sample projects only. Unique capstone projects will be discussed in the live class

Sample Certificates

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CERTIFICATE

OF COURSE COMPLETION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

K.H.N.VAMSI

has successfully completed Artificial Intelligence course at Pavision Innovations in the month of 3 JUNE 2025 to 3 AUGUST 2025 and has proven his/her competency with utmost dedication and promise

CERTIFICATE ID: 6565-5801-2130

Academic Head

Mentor

SAMPLE

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MSME Ministry of MSME, Govt. of India

INTERNSHIP

CERTIFICATE

THIS CERTIFICATE IS PRESENTED TO :

K.H.N.VAMSI

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CERTIFICATE ID: 6565-5801-2130

Academic Head

Mentor

SAMPLE

Assured Interviews

As part of our placement support, we provide assured interview opportunities with leading companies in your field. Our dedicated placement team works tirelessly to connect you with the right employers based on your skills and interests.

The Course and Curriculum is designed by Mentors from

accenture

Meta

ORACLE

Microsoft

wipro

Capgemini

AUTODESK

Infosys

Get Started Today!

Contact Us:
Ready to take your career to the next level?

Contact us to learn more about our courses, flexible payment plans, and how we can help you achieve your career goals.

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Email: help@pavision.in

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