THE INTERNSHIP CELL

IN COLLABORATION WITH

Samarth Bharat

and

STUDENT LEARNING CENTRE

HANSRAJ COLLEGE

presents

Certificate Course on

Artificial Intelligence and Prompt Engineering (SLC 23)

About the Course

The internship cell of Hansraj in collaboration with Samarth Bharat and Student Learning Center Hansraj is launching a course. This Artificial Intelligence and Machine Learning course is designed to teach the basics and advanced concepts of Artificial Intelligence, including machine learning, deep learning, natural language processing (NLP), and computer vision. It focuses on practical applications in areas like healthcare, finance, and marketing, using tools like TensorFlow and OpenCV. The course also covers AI ethics, future trends, and how to use AI effectively in businesses. Through hands-on lab sessions and projects, participants will learn to build, evaluate, and deploy AI models to solve real- world problems.

Learning Outcomes

Starting from the very basics of AI and prompt engineering to learning the use of AI in business, this course navigates from beginner level to intermediate proficiency

Offline Classes
4 hours per week
Weekdays 3 - 5 p.m.

Completion Certification

Hansraj College and Samarth Bharat
85% Attendance and assignments are mandatory for the Course Completion Certificate

COURSE OUTLINE

Introduction to Artificial Intelligence

1. Overview of AI
2 Applications of AI
3 AI Ethics and Governance
4 Future Trends in AI

Machine Learning Fundamentals

1 Introduction to Machine Learning
2 Supervised Learning
3 Unsupervised Learning
4 Reinforcement Learning
5 Evaluation and Model Selection

Deep Learning

1.Introduction to Deep Learning
2 Neural Networks and Training
3 Convolutional Neural Networks (CNNs)
4 Recurrent Neural Networks (RNNs)
5 Practical Deep Learning

Natural Language Processing (NLP)

1 Introduction to NLP
2 Text Processing and Feature Extraction
3 Sentiment Analysis and Text Classification
4 Advanced NLP Techniques
5 Hands on exercises with NLP libraries
6 Practical NLP

AI in Computer Vision

1 Introduction to Computer Vision
2 Image Processing Techniques
3 Object Detection and Recognition
4 Image Segmentation
5 Hands on exercises with computer vision libraries
6 Practical Computer Vision

COURSE OUTLINE

Introduction to Prompt Engineering

1 Overview of Prompt Engineering
2 Applications and Use Cases
3 Understanding Prompts
4 Crafting Effective Prompts
5 Common Pitfalls and How to Avoid Them
6 Introduction to ChatGPT
7 Dynamic Prompting and Real-World Scenarios

AI in Business

1 AI Strategy and Implementation
2 AI in Marketing and Sales
3 AI in Operations and Supply Chain
4 AI in Finance and Risk Management

Hands-on Lab Sessions

1 Setting Up AI Development Environment
2 Data Collection and Preprocessing
3 Building and Training Models
4 Model Evaluation and Optimization
5 Deployment and Integration
6 Capstone Project

Important Details

- Starting from 2nd week of February 2025
- Live Sessions of Master Class, Assessments and Assignments
- Course Completion Certificate
- Registration Fee - Rs. 2500
- Last date for registration - 25th January 2025

To Register here:

Scan Here ←

Payment Details:

Course Fees: Rs. 2500
Account Name: Principal, Hans Raj College SLC account
Account Number: 2848101019888
Bank: Canara Bank
IFSC: CNRB0002848
Course fees is non-refundable

For Queries Contact us:

Student Coordinator
Keshav Sharma: +91 99052 88751
Email : slc@hrc.du.ac.in

Patron:

Prof. (Dr.) Rama, Principal Hansraj College
Ms. Alka Kacker, Director, IQAC Hansraj College

Coordinators :

Dr. Pooja Arora, Convenor, SLC
Ms. Madhavi Moni K.., Assistant Professor Hansraj College
Dr. Anurag Kakkar, Assistant Professor, Hansraj College