



Live
Industry Training



Real-Time
Projects



Daily
Assignments



Weekly
Assessments



Internship
Certificate

ELIGIBILITY

- Fresher Students
- IT & Engineering Students
- Graduation in Any Stream
- Basic Knowledge of Computers
- Passion for AI & Emerging Tech

TOOLS & TECHNOLOGIES

-  Python
-  OpenAI / ChatGPT
-  LangChain
-  Hugging Face
-  Pinecone
-  FAISS
-  Streamlit
-  VS Code
-  Git & GitHub
-  Postman
-  Docker

LEARNING MODULES

- 1 PYTHON FOR AI**
 - Python Basics • Data Types • Functions
 - OOP Concepts • Libraries Overview (Numpy, Pandas)
- 2 GENERATIVE AI FUNDAMENTALS**
 - What is Generative AI • LLMs Overview
 - Use Cases & Applications
- 3 PROMPT ENGINEERING**
 - Prompt Basics • Prompt Techniques
 - Zero-shot, Few-shot, Chain-of-Thought
- 4 LARGE LANGUAGE MODELS (LLMs)**
 - How LLMs Work • Model APIs (OpenAI, Claude, Gemini)
 - Tokens, Context Window, Temperature
- 5 LANGCHAIN FRAMEWORK**
 - LangChain Basics • Chains • Agents
 - Memory • Tools & Utilities
- 6 RETRIEVAL AUGMENTED GENERATION (RAG)**
 - RAG Concepts • Document Loading • Text Splitting
 - Embeddings • Vector Search
- 7 VECTOR DATABASES**
 - Vector DB Concepts • Pinecone / FAISS / Chroma
 - Indexing & Similarity Search
- 8 AI APIS & INTEGRATIONS**
 - Working with APIs • Function Calling
 - API Integration with LangChain
- 9 DEPLOYMENT & STREAMLIT APPS**
 - Build AI Web Apps • Streamlit Basics
 - Deploying AI Applications
- 10 AI CAPSTONE PROJECT**
 - End-to-End AI Application • RAG + LLM Project
 - Testing • Deployment • Presentation

OUTCOME

Become Industry Ready AI Engineer

FEES

ONLINE
 **₹15,000**

OFFLINE
 **₹20,000**

DURATION

 **60 HOURS**
(Live Internship)

MODE

 **ONLINE**
&
 **OFFLINE**

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PROGRAM INCLUDES

-  Resume Building
-  LinkedIn Optimization
-  Mock Interviews
-  Placement Assistance
-  GitHub Portfolio
-  Industry Mentorship
-  Certificate of Internship



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WHY CHOOSE CDS SH?

- ✓ Industry Oriented Curriculum
- ✓ Real-Time Industry Projects
- ✓ Expert Mentorship
- ✓ 100% Placement Assistance

LEARN • PRACTICE • BUILD • DEPLOY • GET HIRED