CHAT GPT
SYLLABUS COPY

Engineered for skill enhancement.

PROGRAM HIGHLIGHTS

Accredited Certificates :

✓ Program approved ISO Certification

Internships :

✓ Industry-relevant opportunities provided-

Placement Assistance :

✓ Career guidance from industry experts-

Basic to Advanced Level Training :

✓ Learn from experienced AI professionals .

Live & Recorded Lectures :

✓ Flexible learning at your convenience .

Real-Time Projects :

✓ Hands-on minor & major projects

ABOUT US

- **OUR MISSION :**

    Nxt Sync is a pioneering EdTech company committed to bridging the gap between theoretical learning and practical application. Our mission is to empower students with cutting-edge AI skills that enhance employability and prepare them for a tech-driven future.

- **OUR VISION--UPSKILL**: Empowering minds for the future.

- **INNOVATE**: Fostering creativity and breakthroughs .

- **EXCEL**: Preparing industry-ready professionals.

WHY CHAT GPT?

- Growing demand for AI-powered solutions in every industry

- Enhancing productivity and automation with AI

- Advanced NLP capabilities for customer engagement

- Career opportunities in AI, Chatbot Development, and Automation

- Integration of AI with digital marketing, e-commerce, and business

LEARNING PATH

1. Introduction to AI & ChatGPT

2. Natural Language Processing (NLP) Fundamentals

3. Understanding Large Language Models (LLMs)

4. Fine-Tuning & Customizing ChatGPT

5. Conversational AI & Chatbot Development

6. Prompt Engineering & AI Writing Techniques

7. AI in Digital Marketing & Customer Support

8. AI-Powered Automation & Integration

9. Capstone Projects & Research

DETAILED MODULE BREAKDOWN

Module 1: Introduction to AI & ChatGPT

- Basics of Artificial Intelligence & NLP

- Evolution of AI Chatbots

- How ChatGPT Works

Module 2: Natural Language Processing (NLP) Fundamentals

- Text Preprocessing & Tokenization

- Sentiment Analysis & Named Entity Recognition (NER)

- NLP Applications in Real-World Scenarios

Module 3: Understanding Large Language Models (LLMs)
•What are Large Language Models?
•GPT Architecture & Training Data
•Ethical Considerations & Bias in AI
Module 4: Fine-Tuning & Customizing ChatGPT
•Adapting ChatGPT for Specific Use Cases
•API Integration & Custom Models
•Enhancing Performance with Training Data
Module 5: Conversational AI & Chatbot Development
•Building Chatbots with ChatGPT
•User Interaction & Response Optimization
•Deploying AI Chatbots in Businesses

Module 6: Prompt Engineering & AI Writing Techniques
•Crafting Effective Prompts
•AI-Generated Content Creation
•Enhancing Creativity & Accuracy
Module 7: AI in Digital Marketing & Customer Support
•AI-Powered Content Strategy
•Chatbots in Lead Generation & Customer Service
•AI for SEO & Marketing Automation
Module 8: AI-Powered Automation & Integration
•Automating Business Processes with AI
•AI-Powered CRM & Email Marketing
•Future Trends in AI Automation

Module 9: Industry Applications & Case Studies
•ChatGPT in Healthcare, Finance & Retail
•AI for Legal & Content Writing Industries
•Case Studies from Leading AI Implementations
Module 10: Capstone Projects & Industry Research
•Hands-on Real-Time AI Projects
•Industry Collaboration & Research-Based Projects
•AI Chatbot Portfolio Building

ASSIGNMENT'S &ASSESSMENTS

✓ Weekly hands-on assignments
✓ Mid-term AI-based mini-projects
✓ Final capstone AI project
✓ Live presentations & discussions

TOOLS & FRAMEWORKS USED

AI & NLP Tools:
•OpenAI API, ChatGPT, GPT-4
•TensorFlow, PyTorch, Hugging Face
•Google AI, IBM Watson, Azure AI
Chatbot Development:
•Dialogflow, Rasa, BotPress
•Twilio, Slack, WhatsApp API
Automation & Marketing:
•HubSpot, Mailchimp, Zapier
•Google Tag Manager, Optimizely

RECOMMENDED READING

- **"AI Superpowers"** - Kai-Fu Lee
- **"The Age of AI"** - Henry Kissinger, Eric Schmidt
- **"The Hundred-Page Machine Learning Book"** - Andriy Burkov
- **"Hands-On Machine Learning with Scikit-Learn, Keras & TensorFlow"** - Aurélien Géron

WHY CHOOSE NXTSYNC?

☑ Industry-Aligned AI & ChatGPT Curriculum
☑ Hands-on Real-World AI Projects
☑ Expert Mentorship & Career Guidance
☑ Flexible Learning Schedule
☑ ISO-Certified AI Training Program

Start Your AI & ChatGPT Journey with NxtSync Today!