

National Institute of Electronics and Information Technology (NIELIT), Delhi

Course Prospectus - Overview of AI Technology (40 Hrs)

Course Description

This course provides an understanding of Artificial Intelligence, its applications, and its impact across industries. Learners will explore AI fundamentals, algorithms, and applications in real-world systems along with ethical AI practices.

Who Can Attend?

- Students and professionals interested in AI
- Beginners aiming to explore AI concepts
- Anyone curious about how AI impacts society

Course Content

- ❖ Introduction to AI & Its Impact
 - What is AI, history and evolution
 - Types of AI
 - Applications and AI in society
- ❖ Building Blocks of AI
 - Data as fuel
 - AI vs ML vs DL
 - Overview of main AI fields
- ❖ AI in Daily Life & Business
 - AI in smartphones
 - Healthcare, retail, banking use cases
- ❖ Introduction to Machine Learning
 - Supervised, unsupervised, reinforcement learning
- ❖ Natural Language Processing
 - Chatbots, speech recognition, translation tools
- ❖ Computer Vision
 - Facial recognition, object detection, case studies
- ❖ Ethical AI & Responsible Use
 - Bias, fairness, privacy, transparency
- ❖ Trends, Careers & Future with AI
 - Generative AI, AI jobs and skills

Duration

4 Weeks (40 Hours)

Prerequisite

Basic computer knowledge and curiosity about AI.

Certificate

e-Certificate will be issued after successful completion of the course with a minimum of 75% attendance and 50% score in the assessment.

How to Apply

Interested candidates may apply online through the NIELIT Delhi website after paying the course fee via online transfer. Copy of payment receipt must be uploaded during registration.

Contact Information

NIELIT Delhi Centre:

1) West Campus - Janakpuri
IETE Building, Institutional Area,
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2) North Campus -Inderlok
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3) East Campus-Karkardooma
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