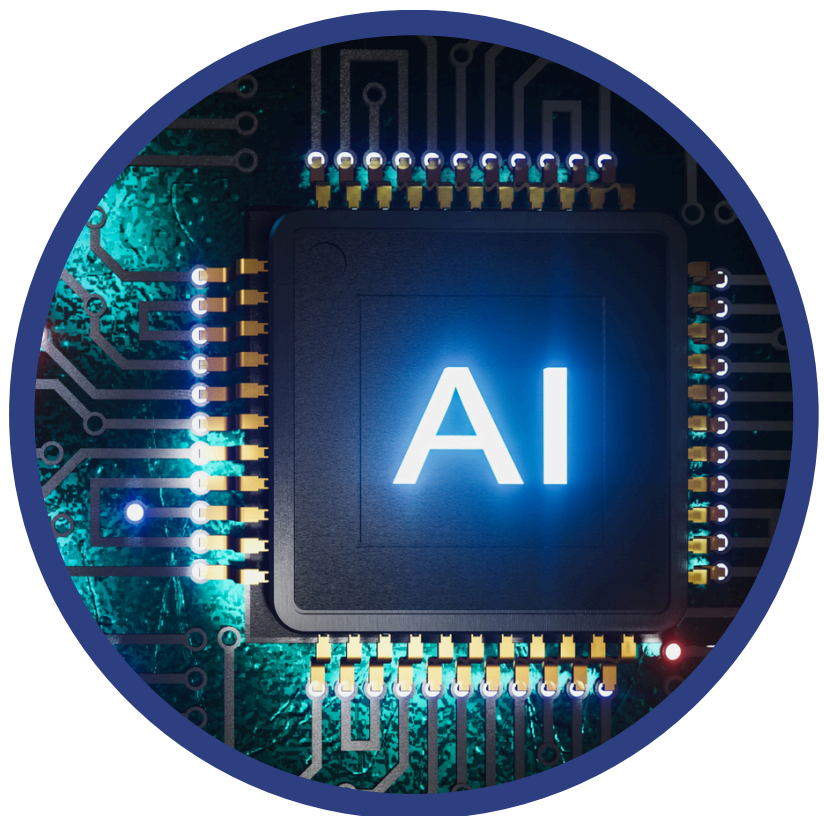




**NATIONAL INSTITUTE OF
ELECTRONICS & INFORMATION
TECHNOLOGY NOIDA**

INFORMATION BROCHURE

**TEN DAYS TEACHERS TRAINING PROGRAM
ON AI USING PYTHON
(BASED ON THE NEW AI SYLLABUS
PRESCRIBED BY CBSE BOARD)**



NATIONAL INSTITUTE OF ELECTRONICS & INFORMATION TECHNOLOGY, NOIDA

Name of Group: Centre of Excellence in Chip Design at NIELIT NOIDA

Name of Course: TEN DAYS TEACHERS TRAINING PROGRAM ON AI USING PYTHON
(Based on the new AI syllabus prescribed by CBSE Board)

Objective: Our ten-day online Coding Bootcamp, based on the AI syllabus prescribed by CBSE Board, aims to equip participants with comprehensive skills and knowledge in artificial intelligence programming. Through interactive sessions and hands-on exercises, participants will delve into the fundamentals of AI, exploring topics such as machine learning, neural networks, natural language processing, and computer vision. By the end of the Bootcamp, participants will be proficient in AI programming concepts, capable of applying them to real-world scenarios, and ready to embark on their journey in the field of artificial intelligence.

Duration: 10 Days (30 Hours)/ 3 hrs per day

NOTE: Online mode. **Limited seats**

Minimum Eligibility: Faculty member of CBSE/ICSE/(Recognised State/Central Board)

Note: Working professionals may also enroll

Course Fees: Rs. 1,500/- (incl. GST)

Course Date: 18th June 2024 (Tentative)

Registration Process: Candidates have to apply in prescribed application form through online registration portal <https://regn.nielitvte.edu.in> or through Android App "NIELIT Kaushal Setu". The duly filled form along with the course fees Rs. 3,540/- (incl. GST) has to be submitted in online mode through the above link. The Fees deposited is Non-Refundable.

Partha P. Adhikari,
Additional Director/Scientist 'E'
& OIC, CoE Chip Design Noida Centre

PRASHANT PAL
(Scientist-C)

NATIONAL INSTITUTE OF ELECTRONICS & INFORMATION TECHNOLOGY, NOIDA

Course Content:

Day 1	AI Reflection, Project Cycle and Ethics
	<p>Understanding AI: Domains and Applications</p> <ol style="list-style-type: none"> 1. Define Artificial Intelligence (AI) 2. The applications of AI in everyday life 3. The three domains of AI and their applications
Day 2	The AI Project Cycle
	<ol style="list-style-type: none"> 1. The importance of the AI project cycle. 2. To structure the AI problem statement with the AI project cycle
Day 3	AI Ethics
	<ol style="list-style-type: none"> 1. The difference between ethics and morality 2. The ethical scenarios faced while building AI solutions 3. AI bias and to identify bias in AI

Partha P. Adhikari,
Additional Director/Scientist 'E'
& OIC, CoE Chip Design Noida Centre

PRASHANT PAL
(Scientist-C)

NATIONAL INSTITUTE OF ELECTRONICS & INFORMATION TECHNOLOGY, NOIDA

Day 4	Data Literacy
	<p>Basics of Data Literacy</p> <ol style="list-style-type: none"> 1. Data Literacy and its impact 2. How to become Data literate? 3. Data security and privacy 4. Best practices for Cyber Security
Day 5	Acquiring Data, Processing, and Interpreting Data
	<ol style="list-style-type: none"> 1. Types of data 2. Sources of data 3. Best Practices for acquiring data 4. Features of data and Data Preprocessing 5. Importance of Data Interpretation 6. Tools used for Data Interpretation
Day 6	Project Interactive Data Dashboard & Presentation
	<ol style="list-style-type: none"> 1. Data visualization & its importance 2. Visualization of data with a No-Code tool 3. Create a simple and interactive chart with a No-Code tool

Partha P. Adhikari,
Additional Director/Scientist 'E'
& OIC, CoE Chip Design Noida Centre

PRASHANT PAL
(Scientist-C)

NATIONAL INSTITUTE OF ELECTRONICS & INFORMATION TECHNOLOGY, NOIDA

Day 7	Math for AI (Statistics & Probability)
	<p style="text-align: center;">Importance of Math in AI</p> <ol style="list-style-type: none"> 1. The applications of Mathematics in AI 2. The different mathematical concepts important for understanding AI
Day 8	Statistics
	<ol style="list-style-type: none"> 1. Use of statistics in different AI applications
Day 9	Probability
	<ol style="list-style-type: none"> 1. Use of probability in different AI applications
Day 10	Introduction to Generative AI
	<ol style="list-style-type: none"> 1. Definition and Overview 2. Applications and Use cases

* There will be 3 Hours Session per day.

Partha P. Adhikari,
Additional Director/Scientist 'E'
& OIC, CoE Chip Design Noida Centre

PRASHANT PAL
(Scientist-C)

NATIONAL INSTITUTE OF ELECTRONICS & INFORMATION TECHNOLOGY, NOIDA

Mode of Payment: Fees can be paid either by debit/credit card or in any online mode.

For any queries and more details please contact on **8218724641/9711177638**

Course Venue

NIELIT NOIDA, IETE NOIDA Centre Building, PS-1D, Behind Brahampurtra Shopping Complex Sector 29, Noida, Uttar Pradesh 201301 **Registration Link:**

<https://regn.nielitvte.edu.in>

Or

Through Android App "[NIELIT Kaushal Setu](#)"



Partha P. Adhikari,
Additional Director/Scientist 'E'
& OIC, CoE Chip Design Noida Centre

PRASHANT PAL
(Scientist-C)