



Department of Computer Science & Engineering
Indian Institute of Technology Gandhinagar

One-day workshop on

Python programming and AI applications

April 5, 2024

IIT Gandhinagar



Python's popularity in AI and machine learning stems from its simplicity, versatility, and rich libraries. This workshop will introduce Python basics and explore its applications in AI, including machine learning, natural language processing, and computer vision.

Workshop Highlights

Morning Session (10 AM - 1 PM)

- a) Introduction to Python
- b) Setting up Python environment
- c) Basic syntax and data types
- d) Control flow
- e) Functions and modules
- f) Python libraries for AI

Afternoon Session (2:30 PM - 5:00 PM)

- a) Overview of Artificial Intelligence
- b) Overview of Machine Learning
- c) Overview of Natural Language Processing
- d) Overview of Deep Learning
- e) Case studies: Real-world applications of AI
- f) Q&A and Closing Remarks

Gain proficiency in Python programming fundamentals.

Understand the role of Python in AI and machine learning.

Learn how to implement AI techniques using Python libraries.

Hands-on experience through guided exercises and case studies.

Maximum
20
participants

Contact

Nirav Bhatt

Nirav.bhatt@iitgn.ac.in

+91 95 1233 0824

Instructor

Raviraj V Sukhadiya

Computer Sci. & Engg. Lab
IIT Gandhinagar



Registration Details

Website: cs.iitgn.ac.in/pythonworkshop.html

Registration Fees: **Rs 590/-**



Department of Mechanical Engineering
Indian Institute of Technology Gandhinagar

One-day workshop on Additive Manufacturing

Lets Print 3D: Unleashing the World of 3D Printing

April 6, 2024

IIT Gandhinagar

This workshop ensures a balance between theoretical understanding and practical hands-on experience, allowing participants to leave with not only knowledge but also a tangible 3D-printed creation as a memento of their learning experience.

Workshop Highlights

Morning Session (10 AM - 1 PM)

- a) Introduction to 3D Printing
- b) Types of 3D Printing Technologies
- c) Materials Used in 3D Printing
- d) Designing for 3D Printing
- e) Preparation and Slicing

Afternoon Session (2:30 PM - 5:00 PM)

- a) Hands-On 3D Printing
- b) Live Demonstration
- c) Personalized Project Printing

Practical Hands-On Experience

Comprehensive Understanding of Additive Manufacturing and 3D Printing

E - Certificate of Participation for Each Attendee

Maximum
20
participants

Contact

Mr Nirav Bhatt

nirav.bhatt@iitgn.ac.in

+91 95 1233 0824

Instructor

Mr Shubham

Tongire



Registration Details

Registration Form: tiny.cc/Lets-Print-3D

Registration Fees: **Rs 590/-**