

# Python 101

## Powering The Future of Generative AI

Date: 09/03/2026 to 11/03/2026

### Event Details

- Date: 9<sup>th</sup> March 2026 to 11<sup>th</sup> March 2026
- Time: 09:00 A.M. to 04:00 P.M.
- Venue: Aryabhata Auditorium, 5<sup>th</sup> Floor, EB-block, Silver Oak University
- Professional Volunteers: 5
- Student Volunteers: 28
- Total No of Participants: 202

### Session Summary

Python 101: Powering The Future of Generative AI was a multi-day technical workshop organised by Silver Oak University IEEE Student Branch in collaboration with Professional Activity Committee, IEEE Gujarat Section. The workshop aimed to introduce participants to Python programming while connecting these foundations with the evolving landscape of machine learning and generative artificial intelligence. Through a structured learning approach, the event highlighted how programming fundamentals, data understanding and AI workflows collectively contribute to building modern intelligent systems as well as practical technology solutions.

The workshop enabled participants to develop a foundational understanding of Python programming together with its applications in machine learning and artificial intelligence. Attendees learned essential programming concepts including Python syntax, variables, data types, operators, input handling and loop structures, which strengthened their understanding of logical problem-solving. Building on these fundamentals, participants explored how machine learning models analyse data to identify patterns and generate predictions, while also gaining insight into the evolving ecosystem of large language models and modern AI systems used in real-world technological solutions.

Attendees further explored key concepts behind modern generative AI systems, including embeddings, tokenisation as well as the architecture of Large Language Models such as GPT. They also gained insight into the AI development pipeline along with approaches like Retrieval-Augmented Generation together with model fine-tuning, enabling them to understand how LLMs can be adapted for domain-specific tasks

while Python programming supports the development as well as optimisation of practical generative AI solutions.

## Photographs



## Submitted By:

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