



POORNIMA

INSTITUTE OF ENGINEERING & TECHNOLOGY

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NAAC and NBA

Six Days Faculty Development Program on Python Programming A-Z 30th January -4th February 2023

Session (2022-2023)



Submitted By: -
Shikha Gautam
Coordinator
Department of Computer Engineering
PIET

Submitted To:-
Dr. Dinesh Goyal
Director
PIET

Report

On

Six Days Faculty Development Program

On

“Python Programming A-Z”

30th Jan -4th Feb 2023

Organized By-

AICTE MODROB

Neural Network & Deep learning lab

Poornima Institute of Engineering & Technology

ISI-2. RIICO INSTITUTIONAL AREA, SITAPURA,

JAIPUR – 302022 RAJASTHAN, INDIA

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Notice for Faculty Development Program

Poornima Institute of Engineering & Technology, Jaipur, PIET, a premier institution in engineering education was established in the academic year 2007, is affiliated to Rajasthan Technical University, and approved by AICTE. PIET aims at providing world-class technical and scientific education that can develop a professional outlook in every walk of life and has been ranked 3rd in QIV ranking. Some of notable achievements are as follows:

- PIET has been 1st Institution to offer B. Tech CSE in Regional language
- PIET is accredited by National Assessment and Accreditation Council (NAAC).
- Two of its programs Namely B. Tech in Computer Engineering and B.Tech. in Civil Engineering are accredited by National Board of Accreditation (NBA), India for quality education.
- PIET has been rated PLATINUM in the Survey of Industry Linked Technical Institutes conducted by AICTE-CII.
- PIET is the only institute in Rajasthan to be funded by AICTE with a fund of Rs. 55 Lakh for establishing IDEA Lab.
- PIET has been granted in aid of Rs. 12.84314/- for establishing Neural Network & Deep Learning Lab under MODROB Scheme.
- Received Research Grant for more than 50 Lakh in 2019-20 & 2020-21 from agencies like TEQIP III, AICTE, NITTTR etc.

AICTE Sponsored Neural Network & Deep Learning Lab at Poornima Institute of Engineering & Technology is proposing Six days Faculty Development Program on Python Programming A-Z from 30 Jan – 4 Feb, 2023 to strengthen the professional development of the faculty members who deal directly with the students. Our goal is to help these educators increase the effectiveness of their teaching especially in undergraduate programmes, so that they teach the student how to programme in Python and prepare for a career in data science, AI, machine learning, and deep learning. It will be conducted by Mr. Deepak Moud, Assistant Professor, CSE, PIET and Ms. Shikha Gautam, Assistant Professor, CSE, PIET.

Objective:

The learning objectives of this course are:

- To acquire programming skills in core Python.
- To acquire Object Oriented Skills in Python.
- To develop the skill of designing Graphical user Interfaces in Python.
- To develop the ability to write database applications in Python.

Duration: 4 hrs. Per day **Time:** 12:00 PM – 4:00 PM

Online Tool: Hands-On Practice on Google Colab/ Anaconda Navigator- Jupyter Notebook

Prerequisites: Fundamentals of Programming and OOPS concept

Registration Link: <https://forms.gle/WsSXXNutmM4NdbW6>

- There is no registration fee.
- Last Date of Registration: 29 Jan. 2023

Location: CS-11, Block C, Department of Computer Engineering, PIET, Jaipur

Topics to be covered:

Session-1 Python-An Introduction, Data Types in Python, Keywords in Python, Operators in Python, Conditional Statements, Iterations, Jump Statements(Break, Continue with examples), continue(with example), Creating Your First Programme in Python, Implementing Input and Output Operations

Session-2 Strings and String Functions, String Slicing, File Handling

Session-3 Managing Data Systematically- List, Tuples, Set, Dictionaries

Session-4 Functions in Python, Arguments in Functions Implementing OOP concepts, classes and objects, Implementing Inheritance in Python

Session-5 Introduction of Flask Framework, Flask Routing, URL Building, HTTP Methods Templates, static Files, Sending Form Data to Templates

Session-6 Introduction to Database Connectivity (SQLite)

Executive Committee:

1. Patron: Dr. Dinesh Goyal, Principal, PIET, Jaipur
2. Mr. Deepak Moud, HoD, CSE, PIET, Jaipur
3. Dr. Anil Kumar, HoD, AI & DS, PIET, Jaipur
4. Ms. Shikha Gautam, Assistant Professor, CSE, PIET, Jaipur

Resource Person: Mr. Deepak Moud , Ms. Shikha Gautam

Session Plan

SNo:	Topic	Time
1	Python-An Introduction, Data Types in Python, Keywords in Python, Operators in Python, Conditional Statements, Iterations, Jump Statements(Break, Continue with examples), continue(with example), Creating Your First Programme in Python, Implementing Input and Output Operations	12:00-4:00 PM
2	Strings and String Functions, String Slicing, File Handling	12:00-4:00 PM
3	Managing Data Systematically- List, Tuples, Set, Dictionaries	12:00-4:00 PM
4	Functions in Python, Arguments in Functions Implementing OOP concepts, classes and objects, Implementing Inheritance in Python	12:00-4:00 PM
5	Introduction of Flask Framework, Flask Routing, URL Building, HTTP Methods Templates, static Files, Sending Form Data to Templates	12:00-4:00 PM
6	Introduction to Database Connectivity (SQLite)	12:00-4:00 PM

**Six Days Faculty Development Programme on
“Python Programming A-Z”**

Date: 30th Jan. -4th Feb. 2023

**Time
12:00 -4:00 PM**

Mode of Workshop- Offline

**Participants
Registered-29**

**Resource
Persons**

Deepak Moud
Assistant Professor ,
Department of Computer Engineering, PIET

Shikha Gautam
Assistant Professor ,
Department of Computer Engineering, PIET

**Selected Participants
for Workshop- 19**

Participants List

Sl.No.	Faculty Name	College Name
1	Archana bhardwaj	Poornima College of Engineering , Jaipur
2	Abhishek Parashar	Poornima College of Engineering , Jaipur
3	Surender Hans	Poornima College of Engineering , Jaipur
4	Dr. Pankaj Rahi	Poornima Institute of Engineering & Technology, Jaipur
5	Atrakesh Pandey	Poornima Institute of Engineering & Technology, Jaipur
6	Vijay Kumar Garg	Poornima Institute of Engineering & Technology, Jaipur
7	Dinesh Bhatia	Poornima Institute of Engineering & Technology, Jaipur
8	Abhishek Dadhich	Poornima Institute of Engineering & Technology, Jaipur
9	Indra Kishor	Poornima Institute of Engineering & Technology, Jaipur
10	Dr. Shashikant Rathore	Poornima Institute of Engineering & Technology, Jaipur
11	VIVEK SAXENA	Poornima Institute of Engineering & Technology, Jaipur
12	Rahul Gupta	Poornima Institute of Engineering & Technology, Jaipur
13	Shivangi Khandelwal	Poornima Institute of Engineering & Technology, Jaipur
14	Shaifali Khandelwal	Poornima Institute of Engineering & Technology, Jaipur
15	Swati Paliwal	Poornima Institute of Engineering & Technology, Jaipur
16	Dr. Shruti Thapar	Poornima Institute of Engineering & Technology, Jaipur
17	Abhijeet Parashar	Poornima University, Jaipur
18	Dr Randhir Singh Baghel	Poornima University, Jaipur
19	Nikita Sharma	Poornima University, Jaipur

Detailed Report

Department of Computer Engineering, Poornima Institute of Engineering & Technology has conducted **Six Days Faculty Development Programme on “Python Programming A-Z” 30th Jan.-4th Feb, 2023**

About Institute:

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About Department

The Department of Computer Engineering is one of the finest and most diverse departments in the Poornima Foundation as well as in the Rajasthan Technological University, Kota. We offer the B.Tech in Computer Engineering since year 2007. I am glad to inform that Department has been accredited by National Board of Accreditation (NBA) and it is now in elite list of departments in India which has got this accreditation. The department of Computer Engineering offers B.Tech degree course with an approved intake of 180 students per year. Department makes the student industry ready with all practical experience by introducing new technology Machine learning, Data Science, Salesforce. Department has Huge Alumni base of more than 900 Alumni currently working with MNC's and Government Institutions.

About AICTE MODROB Neural Network & Deep learning lab

MODROB Sponsored Deep learning and Neural network lab at Poornima Institute of Engineering & Technology. PIET has been granted aid of Rs. 12.84314/- for establishing Neural Network & Deep Learning Lab under MODROB Scheme. This Lab is established to provide environment in which new ideas, research and technology develop in the area of Deep learning, Machine learning, Computer Vision, Algorithm, OOPS, Database Management system, Mobile application development and Web development. This lab imparts training and facilitate technocrats and innovators of tomorrow to become competent to face the global challenges. This lab is equipped with RTX Quadro 8000 GPU with 2x Intel Xeon Silver 4214 Processor, / 4x32GB RAM, (128 GB) / 1TB M.2 SSD Hard

Disk + 2TB M.2 SSD, DP to HDMI Adapter, DOS, 92% 1000W Power Supply to perform experiments and available 24x7 remotely.

About Workshop:

Six days Faculty Development Program on Python Programming A-Z from 30 Jan – 4 Feb, 2023 for strengthen the professional development of the faculty members who deal directly with the students. Our goal is to help these educators increase the effectiveness of their teaching especially in undergraduate programme, so that they teach the student how to programme in Python and prepare for a career in data science, AI, machine learning, and deep learning.

Objective of Workshop:

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- To develop the ability to write database applications in Python.

Schedule of Program

Day-1	Python-An Introduction, Data Types in Python, Keywords in Python, Operators in Python, Conditional Statements, Iterations, Jump Statements(Break, Continue with examples), continue(with example), Creating Your First Programme in Python, Implementing Input and Output Operations
Day-2	Strings and String Functions, String Slicing, File Handling
Day-3	Managing Data Systematically- List, Tuples, Set, Dictionaries
Day-4	Functions in Python, Arguments in Functions Implementing OOP concepts, classes and objects, Implementing Inheritance in Python
Day-5	Introduction of Flask Framework, Flask Routing, URL Building, HTTP Methods Templates, static Files, Sending Form Data to Templates
Day-6	Introduction to Database Connectivity (SQLite)

Session Detail

Day 1: Monday 30th Jan 2023 – 12:00 -4:00 PM

Topic – Python-An Introduction, Data Types in Python, Keywords in Python, Operators in Python, Creating Your First Programme in Python, Implementing Input and Output Operations

Resource Person – Ms.Shikha Gautam, Assistant Professor, Department of Computer Engineering, PIET, Jaipur.

Topic – Conditional Statements, Iterations, Jump Statements (Break, Continue with examples), Continue (with example)

Resource Person – Mr. Deepak Moud, Assistant Professor, Department of Computer Engineering, PIET, Jaipur.



Day 2: Tuesday 31st Jan 2023 – 12:00 -4:00 PM

Topic – Strings and String Functions, String Slicing, File Handling

Resource Person – Ms.Shikha Gautam, Assistant Professor, Department of Computer Engineering, PIET, Jaipur.



Day 3: Wednesday 1st Feb 2023 – 12:00 -4:00 PM

Topic – Managing Data Systematically- List, Tuples, Set, Dictionaries

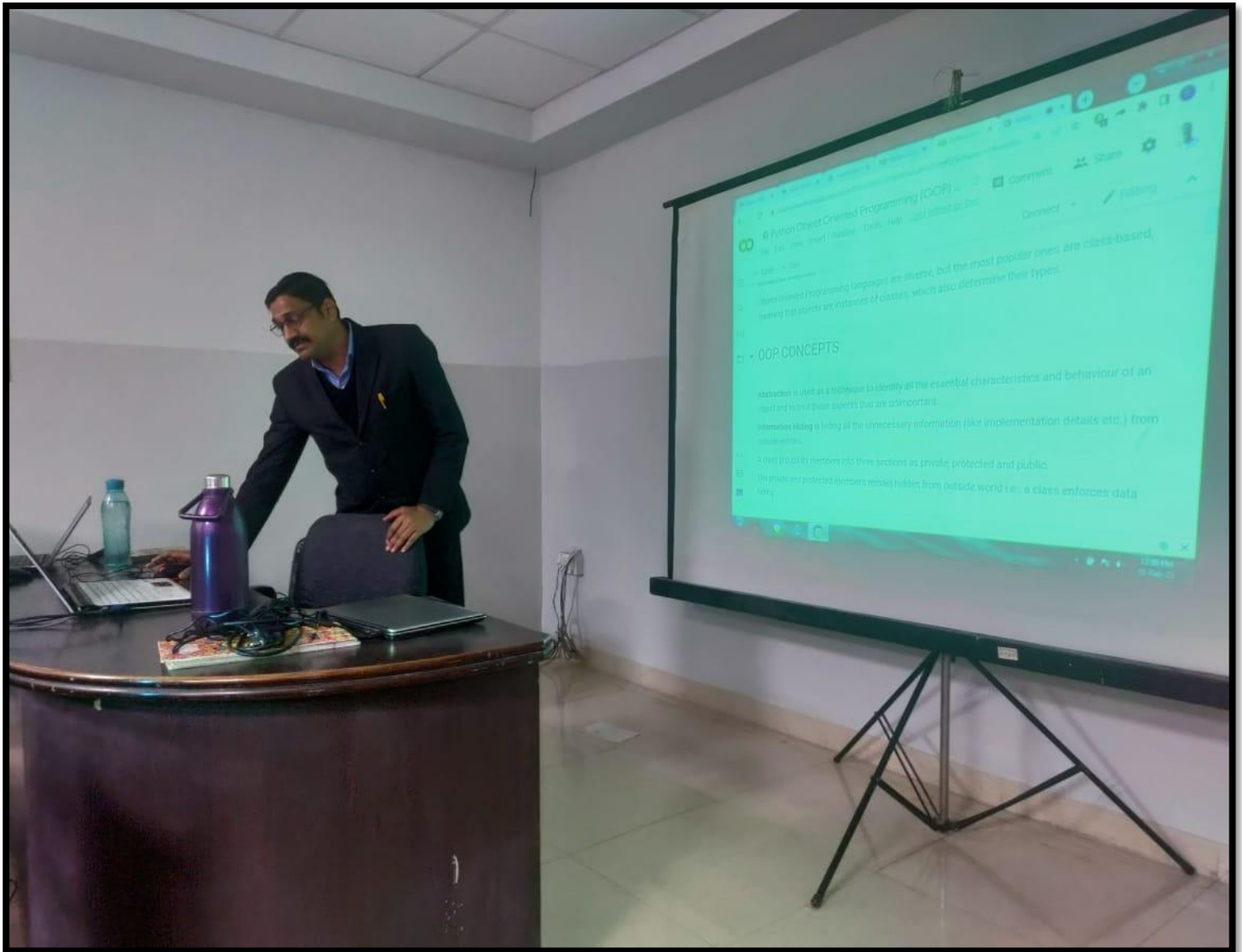
Resource Person – Ms.Shikha Gautam, Assistant Professor, Department of Computer Engineering, PIET, Jaipur.



Day 4: Thursday, 2nd Feb 2023 – 12:00 -4:00 PM

Topic – Functions in Python, Arguments in Functions Implementing OOP concepts, classes and objects, Implementing Inheritance in Python

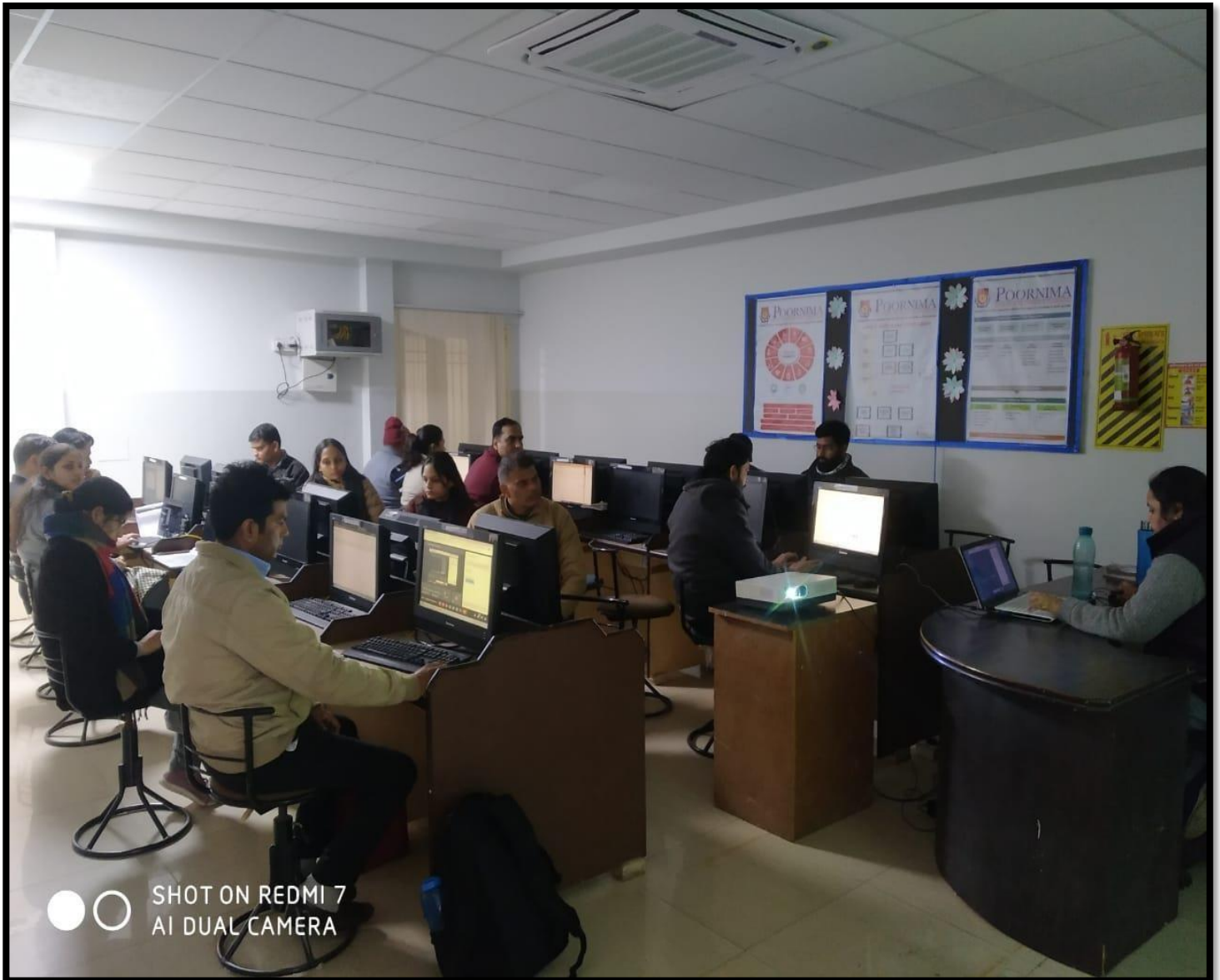
Resource Person – Mr. Deepak Moud, Assistant Professor, Department of Computer Engineering, PIET, Jaipur.



Day 5: Friday, 3rd Feb 2023 – 12:00 -4:00 PM

Topic Introduction of Flask Framework, Flask Routing, URL Building, HTTP Methods Templates, static Files, Sending Form Data to Templates

Resource Person – Ms.Shikha Gautam, Assistant Professor, Department of Computer Engineering, PIET, Jaipur.



Day 6: Saturday, 4th Feb 2023 – 12:00 -4:00 PM

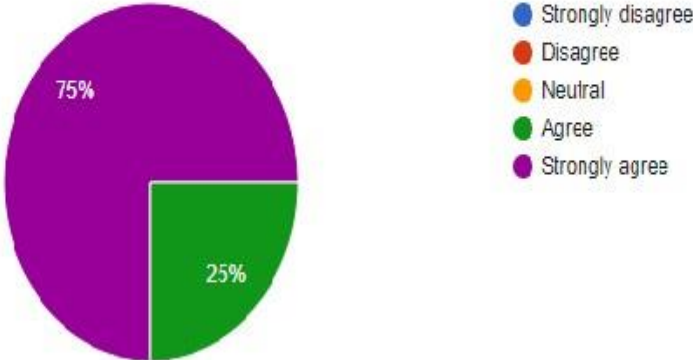
Topic – Introduction to Database Connectivity (SQLite3)

Resource Person – Ms.Shikha Gautam, Assistant Professor, Department of Computer Engineering, PIET, Jaipur.

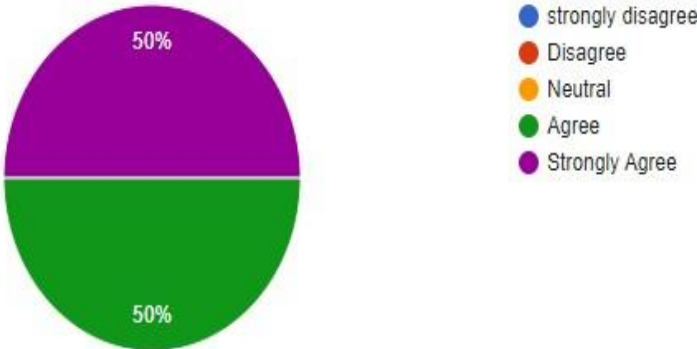


Feedback Analysis

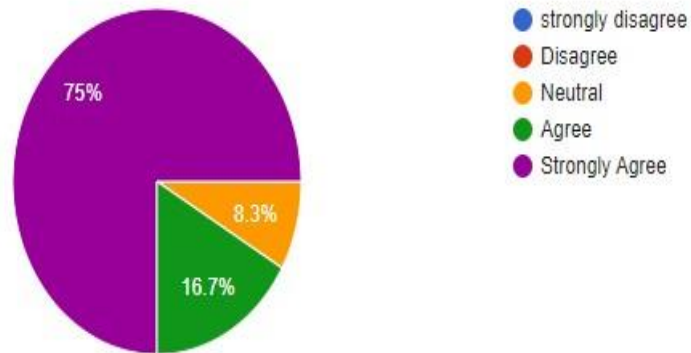
The workshop content was relevant for me



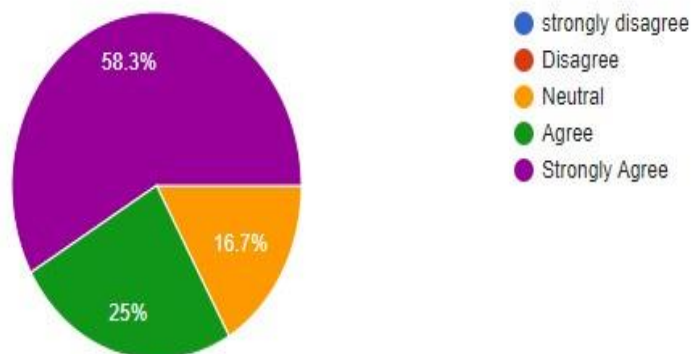
The OVERALL content of the workshop was excellent



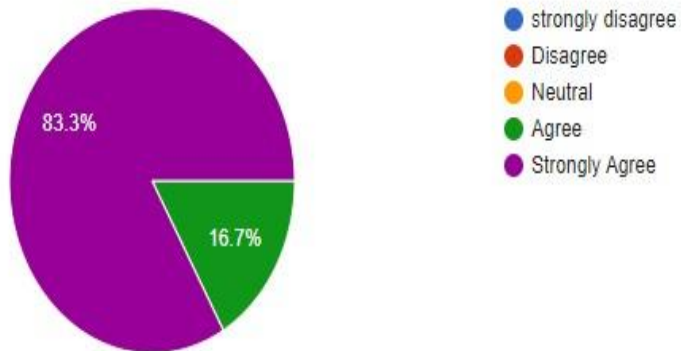
The trainers had very strong expertise in the area



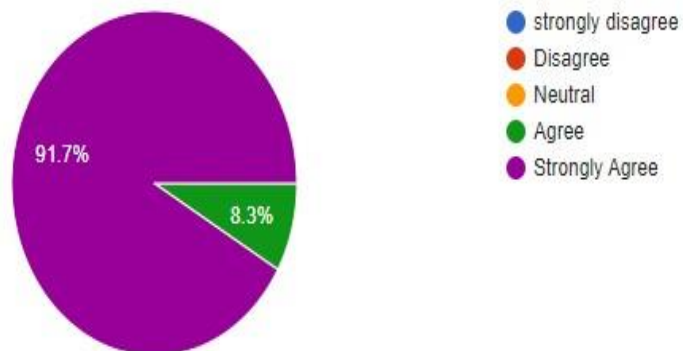
The trainers had excellent communication skills



The trainer were very well prepared for the workshop



OVERALL – how would you rate the workshop



Certificate Sample





Certificate of Participation

IS PROUDLY PRESENTED TO

Rahul Gupta

For Attending the Six Days Faculty Development Program on Python Programming A-Z
from 30th Jan-4th Feb 2023 at AICTE MODROB sponsored
Neural Network and Deep Learning Lab, PIET, Jaipur, Rajasthan, India.

2023-02-13

Certificate
Issuing Date

Mr. Deepak Moud

FDP, Coordinator
PIET, Jaipur

Dr. Dinesh Goyal

Principal, PIET,
Jaipur

Certificate Id 4dce6f0c-bcfc-456b-b3ed-872adb8ccd03

Activate Windows