

HANDS-ON PYTHON

Workshop Report

Date: **19/09/2026**

Venue: **MECHANICAL CAD LAB,ROOM NO:113 ,BJI**

Organized by FOSS Club



Bishop Jerome Institute, Kollam

*A Centre of Excellence in Professional Education for
Engineering and Technology, Management and Architecture Catholic Diocese of
Quilon*

Fatima College Internal Road, Jawahar Nagar, Karbala,
Kollam, Kerala 691001

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1 Abstract

The **One Day - Python workshop**, organized at Bishop Jerome Institute, introduced participants to the fundamentals of Python programming through a combination of theoretical explanations, practical coding exercises, and interview-oriented questions. The workshop covered essential Python concepts including data types, lists, tuples, sets, dictionaries, built-in functions, loops, control statements, functions, parameters, and arguments. Participants also practiced small programs based on these concepts to strengthen their programming skills. The workshop further introduced the fundamentals of Object-Oriented Programming, including classes, objects, encapsulation, and polymorphism, with simple programming examples. The sessions were designed to provide participants with a clear understanding of Python fundamentals and encourage practical problem-solving skills.

2 Workshop Overview

- **Topic:** Python Programming
- **Purpose:** To provide participants with a strong foundation in Python programming through conceptual learning, practical coding exercises, and basic Object-Oriented Programming concepts.
- **Relevance:** The workshop helps participants develop fundamental programming and problem-solving skills that can support further studies, coding practice, technical interviews, and future career opportunities.
- **Date & Time:** 19.09.2026, 09:30 AM – 04:00 PM
- **Venue:** Mechanical CAD Lab (Room no:113), Bishop Jerome Institute, Kollam
- **Organizing Team:** FOSS Club, Bishop Jerome Institute Organizers
- **Participants:** 50
- **Resource Persons:**
 - Ms. Arya Sreekumar – Research assistant, ICFOSS
 - Ms. Nimisha Chandran S R – Research Intern, ICFOSS
- **FOSS Advisor:** V. Sreeja, Assistant Professor, BJI

2.0.1 List of Workshop Participants

No.	Name	Department
1	Abhijith S L	Electronics & Communication Engineering
2	Abhinand. S	Electronics & Communication Engineering
3	Abshalom sebastian	Electronics & Communication Engineering
4	Adithyan P	Computer Science & Engineering (DS)
5	AditiRamesh	Computer Science & Engineering (DS)
6	Ajny Mary Sajo	Computer Science & Engineering
7	AKHIL ANTONY	Electronics & Communication Engineering
8	AKHIL S	Electronics & Communication Engineering
9	Akhileshkumar.A	Electrical & Electronics Engineering
10	Akshay A	Computer Science & Engineering (AI)
11	Aleena aslam	Electrical & Electronics Engineering
12	Ameen S	Computer Science & Engineering (DS)
13	Amrutha.R.Rajeev	Civil Engineering
14	Anjana H	Electrical & Electronics Engineering
15	Anupriya S	Electronics & Communication Engineering
16	Arunima A	Computer Science & Engineering (DS)
17	Ashiya Shafeek	Electronics & Communication Engineering
18	Ashwin.R	Computer Science & Engineering (DS)
19	BABIDHA. D	Electrical & Electronics Engineering
20	Bhagya S	Computer Science & Engineering (DS)
21	Christo Thomas	Electrical & Electronics Engineering
22	Daniel B	Electronics & Communication Engineering
23	Devananda V	Civil Engineering
24	Farzana S	Civil Engineering
25	Gautham s prasad	Computer Science & Engineering (DS)
26	Gowri S Dev	Computer Science & Engineering
27	HARINARAYANAN G R	Computer Science & Engineering (AI)
28	Hiba Saleem	Electrical & Electronics Engineering
29	Jethruth Joy Fernandez	Civil Engineering
30	KARTHIK A	Electronics & Communication Engineering
31	Krishna.S	Computer Science & Engineering (DS)
32	Lekshmi s	Computer Science & Engineering
33	Lekshmi S	Computer Science & Engineering
34	MERLIN ROSE	Electronics & Communication Engineering
35	Nathaniel Baslaw Sibi	Computer Science & Engineering (DS)
36	NAVANEETH NAVEEN	Computer Science & Engineering (DS)
37	NILA S	Computer Science & Engineering
38	Parvathy Santhosh	Computer Science & Engineering
39	Prithiv Roy	Electronics & Communication Engineering
40	S P Sivahari	Computer Science & Engineering (AI)
41	SAIDALI N	Electronics & Communication Engineering
42	Sajirsha S	Electrical & Electronics Engineering
43	Salahudeen Ayoobi N	Computer Science & Engineering
44	Sana shajahan	Civil Engineering
45	SANDRA C S	Electronics & Communication Engineering
46	Saniya Mariya Basil	Electrical & Electronics Engineering
47	SHIBINSHA S	Electronics & Communication Engineering
48	Shikha Sukumaran	Electronics & Communication Engineering
49	Sreeganesh v dev	Electrical & Electronics Engineering
50	Suhaib Hassin	Electronics & Communication Engineering

Table 1: List of Students

3 Posters & Snippets



The poster is for a Python Workshop. At the top, it features logos for Bishop Jerome Institute, AKTE, KTU, and the Council of Architecture. The main title 'Python Workshop' is in large, bold, blue letters, with the Python logo to its right. Below the title, it says 'Learn | Build | Grow' and 'Code Today Create Tomorrow'. A yellow banner reads 'Our Workshop Team'. Below this are two circular portraits of Ms. Arya Sreekumar and Ms. Nimisha Chandran S R, with their roles as Research Assistant and Research Intern listed below them. The bottom section contains a date (19th September 2026), time (9.30am - 4.00pm), and venue (Mechanical CAD Lab, Room no: 113). It also includes two QR codes: one for registration and one for payment. The payment amount is ₹150, and the GPay number is +91 98959 09643.

BISHOP JEROME INSTITUTE
Fatima College Road, Kollam - 691001
SCHOOL OF ENGINEERING, ARCHITECTURE & MANAGEMENT

AKTE
All India Council of Technical Education

KTU
Kerala Technological University

CA
Council of Architecture

In association with

ICFOSS

Python Workshop

Learn | Build | Grow

Code Today
Create Tomorrow

Our Workshop Team

Ms. Arya Sreekumar
Research Assistant
ICFOSS

Ms. Nimisha Chandran S R
Research Intern
ICFOSS

Date
19th September 2026

Time
9.30am - 4.00pm

Venue
Mechanical CAD Lab,
Room no: 113

Scan for Registration Form
https://docs.google.com/forms/d/e/1FAIpQLSfwZ8crz_YijR7cvg8Zk96804IRgwZII9vVf1ZdvSVttOqEBw/viewform?usp=publish-editor

Payment
₹150
GPay Number
+91 98959 09643



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A Centre of Excellence in Professional Education for
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Catholic Diocese of Quilon
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Python Workshop

Learn | Build | Grow



19/09/26

4 Workshop Activities

The workshop was structured into interactive sessions focusing on Python fundamentals, practical programming exercises, interview-oriented questions, and an introduction to Object-Oriented Programming.

- **Session 1: Introduction to Python Fundamentals**

The workshop began with an introduction to the fundamentals of Python programming. Participants were introduced to commonly used Python data types and data structures, including lists, tuples, sets, and dictionaries. Basic operations and differences between these data structures were explained through simple examples.

Participants also practiced commonly used built-in functions and methods such as `type()`, `sum()`, `append()`, and `insert()` through small programming exercises.

- **Session 2: Loops and Control Statements**

The second session focused on **loops and control-flow statements** in Python. Participants learned the use of `for` and `while` loops for solving repetitive programming tasks.

Practical examples were used to demonstrate **`break`**, **`continue`**, and reverse iteration. Participants worked on small programs to understand the flow of execution and apply these concepts in practical situations.

- **Session 3: Functions and Interview-Oriented Questions**

The session introduced participants to **functions in Python**, with particular focus on **parameters and arguments**. The concepts were explained through simple programs and examples.

The participants were also exposed to **interview-oriented programming questions** based on the concepts covered during the workshop. Small coding problems were discussed to encourage logical thinking and problem-solving skills.

- **Session 4: Introduction to Object-Oriented Programming**

The final technical session introduced the fundamentals of **Object-Oriented Programming (OOP)** in Python. Participants learned about **classes**, **objects**, **encapsulation**, and **polymorphism**.

Simple programs were demonstrated to help participants understand how these concepts are implemented in Python. The session also provided an opportunity for participants to clarify their doubts and discuss the concepts covered during the workshop.

- **Interactive Practice and Doubt Clarification**

Throughout the workshop, participants were encouraged to actively participate in coding exercises and interact with the facilitators. The combination of conceptual explanations, small programming exercises, and interview-oriented questions helped participants reinforce their understanding of Python programming.

5 Feedback Analysis

5.1 Categorized Student Feedback

5.1.1 Session Expectations

The participants were asked whether the Python workshop met their expectations. The responses will be analyzed to understand the overall effectiveness of the session.

5.1.2 Content Clarity

Participants were asked whether the workshop content was easy to understand and follow. The responses will help assess the clarity and effectiveness of the explanations and practical demonstrations.

5.1.3 Instructor/Facilitator Rating

Participants provided feedback on the instructors/facilitators based on their overall experience during the workshop.

5.1.4 Support and Encouragement

Participants were asked whether the facilitators were supportive and encouraging throughout the session.

5.1.5 Interest in Future Hands-on Sessions

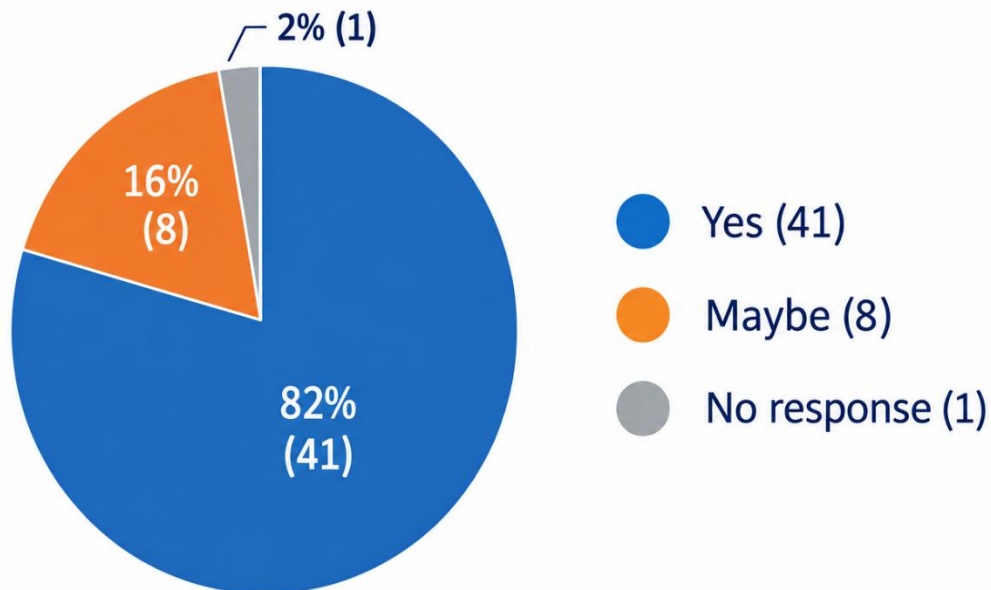
Participants were asked whether they would be interested in attending future hands-on sessions related to Python and programming.

5.1.6 Suggestions and Feedback

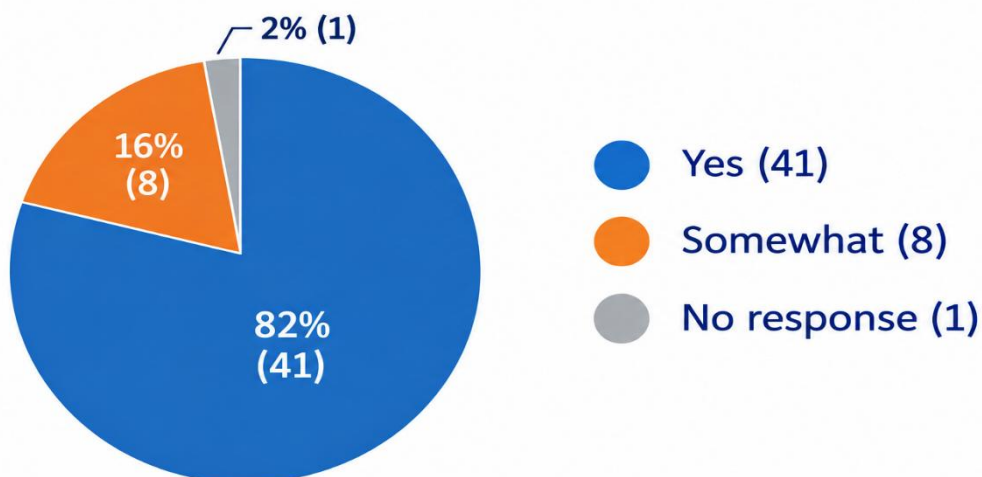
Additional suggestions provided by participants will be summarized to identify areas for improvement and possible topics for future workshops.

5.2 Feedback Pie-Chart

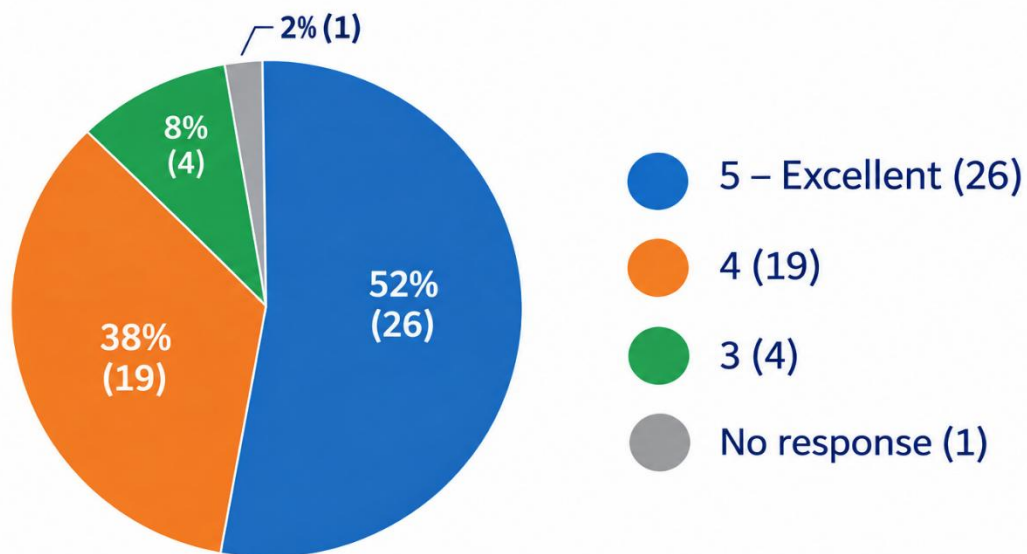
1. Did the session meet your expectations?



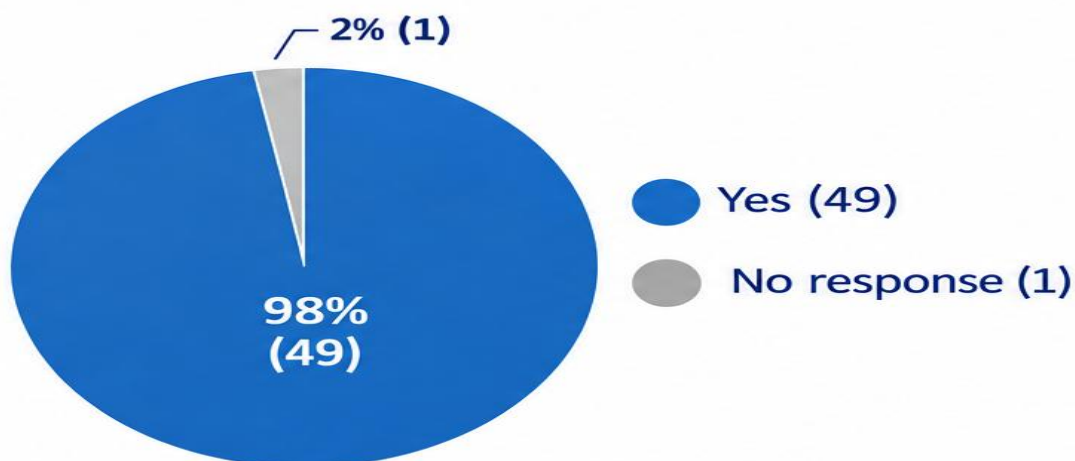
2. Was the workshop content easy to understand and follow?



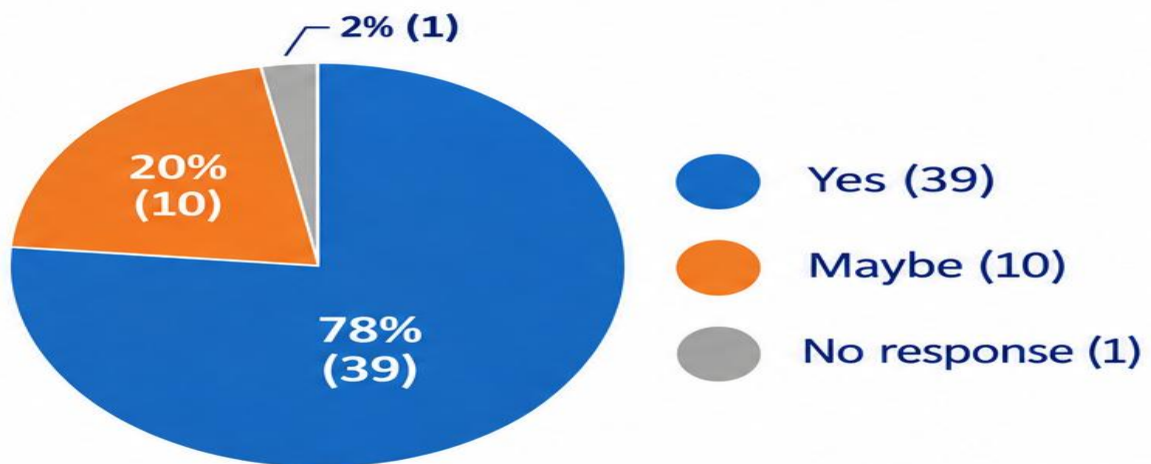
3. How would you rate the instructors/facilitators?



4. Were the facilitators supportive and encouraging?



5. Would you like a hands-on session on this topic in the future?



6 Outcomes & Impact

- Participants gained a foundational understanding of **Python programming**.
- Students became familiar with important Python data types and data structures such as **lists, tuples, sets, and dictionaries**
- Participants practiced basic Python functions, methods, loops, and control statements through small programs.
- Students gained an understanding of **parameters and arguments** in Python functions.
- Exposure to interview-oriented programming questions helped participants understand how fundamental concepts can be applied to coding problems.
- Participants were introduced to basic **Object-Oriented Programming concepts**, including classes, objects, encapsulation, and polymorphism.
- The hands-on approach provided participants with opportunities to practice programming concepts rather than relying only on theoretical explanations.

7 Suggestions for Future Events

- Conduct more **hands-on Python programming sessions**.
- Provide additional time for solving programming problems.
- Include **intermediate and advanced Python concepts** in future workshops.
- Conduct dedicated sessions on **Python and technical interview preparation**.
- Include more problem-solving and coding challenges.
- Conduct project-based Python activities to provide practical exposure.
- Organize follow-up sessions on **Object-Oriented Programming and Python applications**.

8 Budget and Expenditure

A registration fee of ₹150 per participant was collected for the workshop. A total of 50 students registered, out of which 49 students paid the registration fee.

Particulars	Amount (₹)
Registration fee collected (49 × ₹150)	7,350
Honorarium paid to ICFOSS Resource Person	4,500
Evening snacks for students	1,000
Balance amount retained as ICFOSS Fund	1,850
Total	7,350

Financial Summary:

Out of the total amount of ₹7,350 collected through registration, ₹4,500 was paid to the resource person from ICFOSS and ₹1,000 was utilised for providing evening snacks to the participating students. The remaining ₹1,850 has been retained as ICFOSS Fund and will be utilised for future workshops and related student activities. The bill is also attached herewith.

M/s.PEPPY POPS

BILL OF SUPPLY

COMPOSITION DEALER
KMC 13/1558, ASHRAMAM ROAD,
Kollam, Kerala-691001
Phone 7356399966

GST: 32FQJPS1026M1ZN

DATE: 24.09.26
INVOICE #

BILL TO: General customer, BISHOP JEROME COLLEGE

HSN / SAC CODE	DESCRIPTION	Qty	RATE PER UNIT	AMOUNT
9963	Summer drink	50	10	500
9963	Lays (10)	50	10	500
Our Bank Details:				
Account Name: PEPPY POPS				
Current Account No.1506135000003382				
IFSC: KVBL0001506				
BANK NAME: KARUR VYSYA BANK LTD, KOLLAM				
BRANCH				
TOTAL				₹ 1,000.00
TOTAL AMOUNT : THOUSAND ONLY				



To Arya Sreekumar
+91 9960

₹4,500

BJI

Pay again

✓ Completed

19 Sept 2026, 3:43 pm



South Indian Bank 5975



UPI transaction ID

129877464254

To: ARYA SREEKUMAR

....2015@oksbi on Google Pay

From: SREEJA V (South Indian Bank)

....cek@okhdfcbank on Google Pay

Google transaction ID

CICAgPiOrquBGw



9 Conclusion

The **Python Programming workshop** at Bishop Jerome Institute provided participants with an introduction to fundamental Python programming concepts through a combination of theoretical explanations, practical coding exercises, and interview-oriented questions. The workshop covered essential topics including data types, data structures, loops, control statements, functions, parameters, and arguments. The participants were also introduced to basic Object-Oriented Programming concepts such as classes, objects, encapsulation, and polymorphism through simple programming examples. The hands-on nature of the sessions encouraged active participation and provided students with an opportunity to apply the concepts they learned. Overall, the workshop provided a foundation for participants to further develop their Python programming, problem-solving, and technical interview skills.

10 Acknowledgements

The FOSS Club, BJI extends its heartfelt gratitude to Ms. Arya Sreekumar and Ms. Nimisha Chandran S R for sharing their expertise. Special thanks to the organizing committee and volunteers for ensuring the smooth execution of the event.

- **Organizers:** FOSS Club Team, BJI
- **Facilitator:** V. Sreeja, Assistant Professor, BJI
- **Student Coordinator:** Durga Sugathan, 4th Year, DS, BJI

Nimisha
28/9/26.

Anil A.R.
Dr. ANIL A.R.
Principal
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