



IIC ID: IC202425464

Institution's Innovation Council (IIC) – BJI

Activity Report

Vision

To empower young learners with fundamental programming knowledge and computational thinking skills through interactive Python learning, thereby fostering innovation, problem-solving, and digital literacy.

Mission

- Introduce students to Python programming through hands-on learning.
- Develop logical thinking and problem-solving abilities.
- Provide practical exposure to Python applications.
- Encourage careers in programming and software development.
- Promote innovation and lifelong learning.

A. BASIC DETAILS

- **Type of Event:** Self-Driven
- **Quarter No.:** 1
- **Thrust Area:** Innovation and Skill Development
- **Title of the Program:** Engineers Day
- **Date:** 15 Sep 2026
- **Program Type (Level):** Level 1
- **Program Theme:** SPACE ODYSSEY – Where Engineering Meets the Universe
- **Time:** 11:45 AM – 12:35 PM



- **Mode of conduct:** Offline
- **Place of Visit (if applicable):** NA
- **Program Driven by:** Department of Electronics and Communication, Bishop Jerome Institute
- **IIC Student Coordinator(s):**
- **Faculty Coordinator(s):** Ms. Neethu Mary Raju
- **Resource Person Details:**

Name: Mr. Ajesh Madhavan(Astral Observer)

Designation: Assistant Professor, Basic Science Department

Organization/Institution: Bishop Jerome Institute, Kollam

Brief Profile about Resources Person: Mr. Ajesh Madhavan is an Assistant Professor of Physics with a strong interest in astronomy, science communication, and education. Along with teaching physics, he is an avid astronomical observer who has been actively involved in telescope-based sky observation and related astronomical activities. He regularly conducts astronomical events, including sky-watching sessions, telescope observation programs, astronomy awareness classes, and space-related educational activities. His efforts are focused on making astronomy accessible and engaging for students and the general public. He is also a science journal writer and author, contributing to the popular understanding of science through articles and educational content. As a public speaker, he delivers talks on physics, astronomy, space science, and scientific thinking.



B. PROMOTIONAL DETAILS

1. Poster

BISHOP JEROME INSTITUTE
Fatima College Road, Kollam 691001
Department of Electronics & Communication Engineering

VOLTEGE
EXPLORE | LEARN | SECURE | EMPOWER

PRESENTS

SPACE ODYSSEY

Where Engineering Meets the Universe

Celebrating Engineers Day

Resource Person

Ajesh Madhavan
(Astral Observer)
Assistant Professor
Basic Science

Coordinator: Ms. Neethu Mary Raju,
Assistant Professor, ECE Department

Date
15/09/2026

Time
11:45 AM - 12:35 PM

Venue
Ground Floor Seminar Hall
(Main Block)

In Association With

INSTITUTION'S INNOVATION COUNCIL
(Mandatory of HRD Institute)

IIC BJI self-driven activity of quater 1

ENGINEERS TODAY | A BETTER TOMORROW

**EXPLORE
LEARN
SECURE
EMPOWER**

2. Social Media Links:

Video Link: Offline

Fatima College Road, Kollam 691 001, Kerala State

Email: bishopjeromegi@yahoo.com Tel. 0474-2764052/53 website: www.bjgi.in



3. Registration / Attendance Details: (Attach attendance sheet / screenshots / registration link)



BISHOP JEROME INSTITUTE
 School of Engineering & Technology, School of Architecture & Design
 & School of Management Studies
 A CENTRE OF EXCELLENCE IN PROFESSIONAL EDUCATION OF THE CATHOLIC DIOCESE OF QUILON
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
 ENGINEERING**

"SPACE ODYSSEY – Where Engineering Meets the Universe"
 (Celebrating Engineers Day)

Date: 15/09/2026

Sl No	Name	Sign (FN)
1	Trishana Fathima . R	Trishana
2	Ayifa Barkath	Ayifa
3	Beribey Binu	Beribey
4	Anne Jose	Anne
5	Kailas Sreekumar	Kailas
6	Radhimalathi	Radhimalathi
7	Hasidharesh A	Hasidharesh
8	Leo Saji	Leo
9	Abhimanyu . R	Abhimanyu
10	Justin B. Thomas	Justin
11	S. Ananthakrishnan	S. Ananthakrishnan
12	Hesly . B. Robinson	Hesly

Date: 15/09/2026

Sl No	Name	Sign (FN)
1	Abhijith S. L	Abhijith
2	Sandali N	Sandali
3	Anoop . S	Anoop
4	Ananda Natarajan .	Ananda
5	Sandya C. S	Sandya
6	Shibinsha . S	Shibinsha
7	Akhil Antony	Akhil
8	Anupama . S	Anupama
9	Suhaib Hasin	Suhaib
10	Prithvi Roy	Prithvi
11	Yasir	Yasir

Sl No	Name	Sign (FN)
1	Adham . K. Alex	Adham
2	S. S. NEELRISHY	S. S. NEELRISHY
3	Aditya Hari	Aditya
4	B. Bilvavarthiney	Bilva
5	Jewel Johnson	Jewel
6	Theertha . P	Theertha
7	ARTUN . R	ARTUN
8	PAVAN . PRASAD	PAVAN
9	ABHIRUP RAJESH	ABHIRUP
10	PRANAV PRAVEEN	PRANAV
11	RSAjun Krishnan	RSAjun
12	Sacchanya . BR.	Sacchanya
13	Devika Harish	Devika
14	Akshath Kamath .	Akshath
15	Abhinand	Abhinand
16	Asathir Nail	Asathir
17	ASIYA A	ASIYA
18	Devi Gowli . M	Devi Gowli
19	Anjana . SR	Anjana
20	Simon . R. Peter	Simon

About 43 participants attended.



4. Sample Certificate:



C. EVENT SUMMARY

Objectives

- To introduce participants to the fundamentals of Python programming and computational thinking.
- To provide hands-on training in writing, executing, and debugging Python programs.
- To familiarize students with Python syntax, variables, data types, operators, control statements, loops, and functions.
- To develop logical thinking and problem-solving skills through practical coding exercises.
- To introduce participants to Python applications in data analysis, web development, machine learning, automation, cybersecurity, APIs, and game development.
- To encourage creativity and innovation by solving real-world programming problems.
- To motivate Plus Two Science and Computer Science students to pursue programming and software development as a career.
- To bridge the gap between theoretical concepts and practical implementation through interactive coding sessions and hands-on activities.

Fatima College Road, Kollam 691 001, Kerala State

Email: bishopjeromegi@yahoo.com Tel. 0474-2764052/53 website: www.bjgi.in



Programme Overview

The Department of Electronics & Communication Engineering organized the one-day workshop 'Python for Everyone' on 26 June 2026 for Plus Two Science and Computer Science students. The workshop included interactive lectures, live coding demonstrations, hands-on programming exercises, coding challenges, and discussions on Python applications including data analysis, machine learning, web development, automation, APIs, cybersecurity, and game development. Participants actively engaged in practical sessions and developed confidence in Python programming.

D. Outcomes

- Understood Python basics.
- Improved logical thinking and coding skills.
- Gained hands-on programming experience.
- Explored Python libraries and applications.
- Motivated to pursue advanced programming.

PARTICIPATION DETAILS

- Number of Student Participants:43
- Number of Faculty Participants: 2
- Number of External Participants: nil
- Total Participants: 45



E. VISUAL & EVIDENCE SECTION



Feedback Summary:

Participants appreciated the interactive sessions, practical coding exercises, and clear explanations. The workshop enhanced their confidence in programming and encouraged them to explore advanced Python technologies.

Fatima College Road, Kollam 691 001, Kerala State

Email: bishopjeromegi@yahoo.com Tel. 0474-2764052/53 website: www.bjgi.in



F. FOLLOW-UP & IMPACT

- Python mini-project development.
- Advanced Python workshops.
- Participation in coding competitions.
- Continuous mentoring.
- Skill enhancement through practice.

Follow-Up Actions

a. Python Mini Project Development

Students will be encouraged to develop beginner-level Python projects such as student management systems, calculators, quiz applications, data visualization projects, automation scripts, and simple games. These projects will help strengthen their programming skills and practical understanding.

b. Advanced Python Training Workshops

The department plans to organize advanced workshops on Object-Oriented Programming (OOP), Data Science, Machine Learning, Artificial Intelligence, Web Development using Django and Flask, and Python-based Internet of Things (IoT) applications to further enhance students' technical expertise.

c. Coding Competitions and Innovation Activities

Participants will be motivated to participate in coding competitions, hackathons, innovation contests, and project exhibitions conducted under the Institution's Innovation Council (IIC). Students will also be encouraged to present innovative software solutions and programming-based projects.

d. Mentoring and Technical Guidance

Interested students will receive continuous mentoring from faculty members for improving their programming skills, developing software projects, preparing for coding interviews, and participating in national-level technical competitions and innovation programmes.

e. Continuous Learning and Skill Enhancement

The workshop created enthusiasm among students towards programming and software development. Participants will be encouraged to continue practicing Python through coding platforms, collaborative learning, open-source contributions, and mini-project activities to improve their analytical thinking, coding proficiency, and problem-solving abilities.



Signatures

Faculty Coordinator: Alfred

IIC Convener: Dy

IIC Event Coordinator: _____

Principal / Head of Institution: Anil A.R

Dr. ANIL A.R.
Principal
Bishop Jerome Institute
Fatima College Road,
Kollam - 691001

