



IIC ID: IC202425464

Institution's Innovation Council (IIC) – BJI

Activity Report

Vision:

To nurture creativity, innovation, and entrepreneurship among students and faculty through continuous learning, research, and industry collaboration.

Mission:

1. To promote innovation-driven culture across all departments.
2. To provide necessary support for ideation, prototyping, and start-up creation.
3. To establish linkages with national and international innovation networks.
4. To enhance employability, entrepreneurial mindset, and problem-solving skills among students.

A. BASIC DETAILS

- **Type of Event:** Calendar Activity
- **Quarter No.:2**
- **Thrust Area:** Design Thinking
- **Title of the Program:** One Day workshop on Data Analytics
- **Date:** 12/12/2025



- **Program Type (Level):** Level 2
- **Program Theme: Workshop**
- **Time:** 10 AM to 4 PM
- **Mode of Conduct:** Offline
- **Place of Visit (if applicable):** (If NA, write “NA”)
- **Program Driven By:** Department of Computer Science and Engineering
- **IIC Student Coordinator(s):** Hariharan S6 CSE (data science)
- **Faculty Coordinator(s):** 1) Grace Maickel, Assistant Professor CSE
2) Sujithsree P S, Assistant Professor, CSE

- **Resource Person Details:**

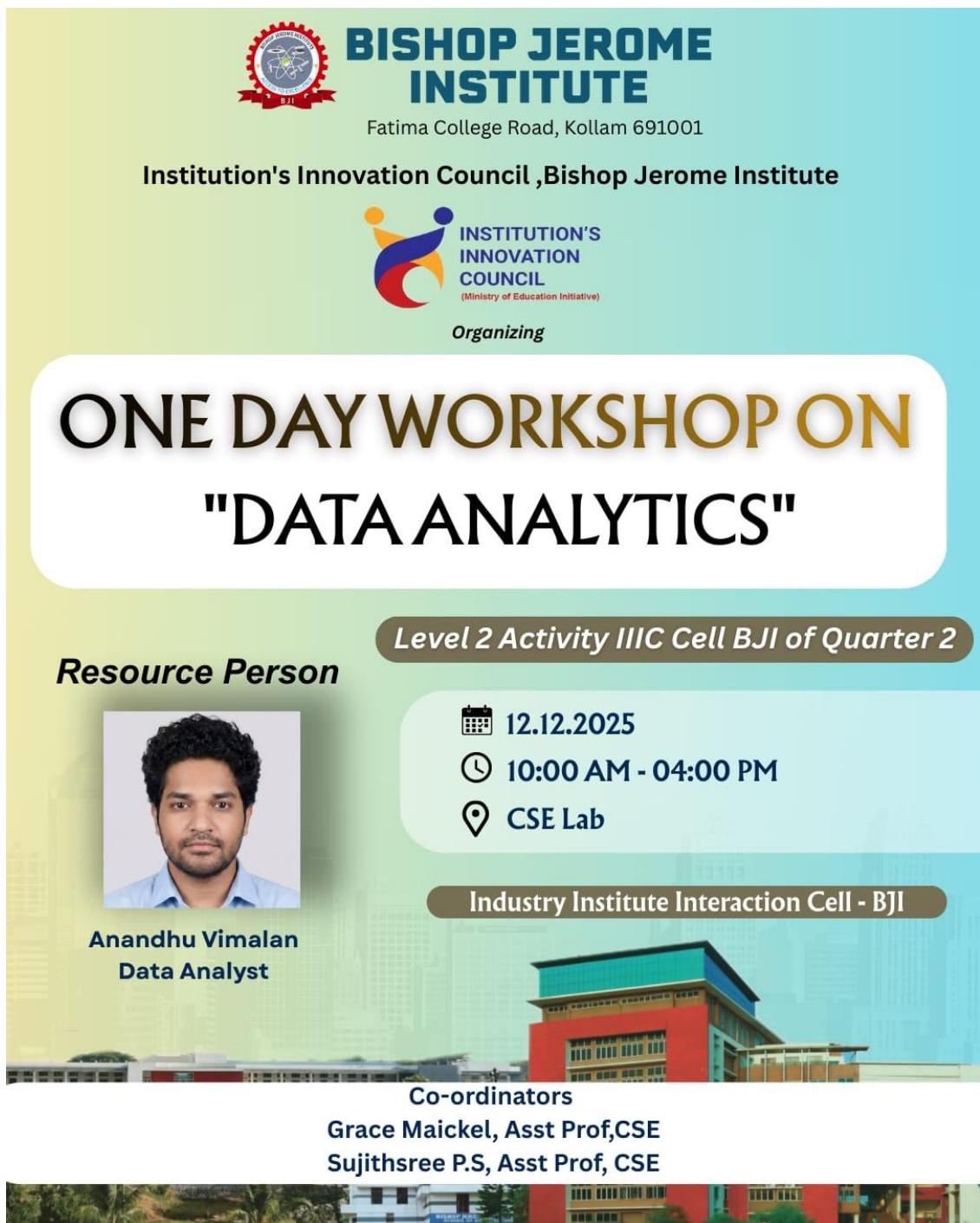
- Name: Anandhu Vimalan, Data Analyst
- Designation: Data Analyst
- Organization/Institution: Skill spark

A Data Analyst, Developer, and Trainer at Skill spark, he designs and delivers hands-on training programs for college students and professionals in Data Analytics, Python, SQL, Power BI, and real-world data applications. He also brings industry experience as a Data Analyst and Machine Learning professional at Sakman AI, Auckland, New Zealand, with a focus on practical data analysis and ML-driven solutions.



B. PROMOTIONAL DETAILS

1. Poster



2. Social Media Links: https://www.linkedin.com/posts/bishop-jerome-institute_dataanalytics-workshop-innovationcouncil-activity-7404920169254350848-DxGa?utm_source=share&utm_medium=member_android&rcm=ACoAAAGNW8AB08VYj4AhVjWQcCZhl2ucp_jN6qY (LinkedIn / Facebook / Instagram / Twitter / YouTube)

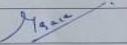
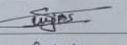
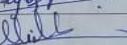
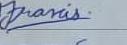
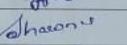
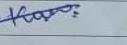
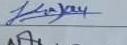
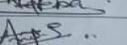
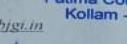
Attendance Sheet:

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 KOLLAM

Attendance sheet

One workshop on Data Analytics
 Date : 12/12/2025, 10 AM to 4 PM
 Venue: CSE Lab
 Resource Person: Anandhu Vimalan

SI No	Name	Branch	Signature
1	Grace Maiasel	Asst. Professor CSE	
2	SUJITH SREE P.S	Asst. professor	
3.	HariKaran .V	S6 Data Science	
4.	Angel Roy	S6 Data Science	
5	Mielhun .M	S6 Data Science	
6	Alen Biju	S6 Data Science	
7	Fransis Perin .C	S6 Data science	
8	Deuga Sugathan	S6 Data science	
9	Hobech Rahman	S6 Data Science	
10	Sharon .S	S6 DataScience	
11	Karthik . B	Sc. DataScience	
12	EBIN JOYI	S6 - DATA SCIENCE	
13	Aleena Lalu	S6 - COMPUTER SCIENCE	
14	Arsepriya .S	Sc. CSE	
15	Madhav .J	S6 - CSE	


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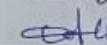
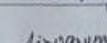
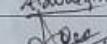
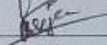
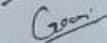
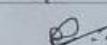
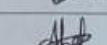
BISHOP JEROME INSTITUT^e

**School of Engineering & Technology, School of Architecture
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Attendance sheet

One workshop on Data Analytics
Date :12/12/2025, 10 AM to 4 PM
Venue: CSE Lab
Resource Person: Anandhu Vimalan

SI No	Name	Branch	Signature
16	Amarjeet Promji	CSE S6	
17	Suman Raj	CSE S6	
18	ADITHYAN, A.S	CSE S6	
19	Aishwarya A	CSE S6	
20	Anamika Rao	CSE S6	
21	Shaanya Biju	CSE S6	
22	Gouri Lakshmi	CSE S6	
23	Ramgopal.A	CSE S4	
24	Abel Mathew	CSE S4	
25	Nikhil Jayakumar	AJIT Professor	

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Sample Certificate:



C. EVENT SUMMARY

Objectives

The primary objectives of the one-day workshop on Data Analytics were:

1. To introduce participants to the fundamentals and importance of Data Analytics in real-world decision-making.
2. To provide hands-on exposure to data analysis tools and techniques used in industry.
3. To enhance analytical thinking and problem-solving skills among students and professionals.
4. To create awareness about career opportunities, innovation, and emerging trends in the field of data analytics



Programme Overview

The One-Day Workshop on Data Analytics was organized with the aim of equipping participants with foundational knowledge and practical exposure to data-driven methodologies widely used in industry and research. In today's digital era, data analytics plays a crucial role in business intelligence, scientific research, governance, and technological innovation. The workshop was designed to bridge the gap between theoretical concepts and real-world data applications.

Purpose and Relevance of the Event

The rapid growth of data across domains such as finance, healthcare, education, marketing, and engineering has increased the demand for skilled data analysts. This workshop addressed the need to:

- Understand how data is collected, processed, analyzed, and visualized.
- Learn how data analytics supports informed decision-making.
- Expose participants to industry-relevant tools and workflows.

The program was particularly relevant for students aspiring for careers in analytics, software development, and research, as well as professionals seeking to upskill.

Key Sessions and Topics Covered

The workshop was structured into multiple interactive sessions covering both theory and practice, including:

- **Introduction to Data Analytics:** Overview of data analytics, types of data, and analytics lifecycle.
- **Data Collection and Cleaning:** Understanding raw data, data preprocessing, and handling missing or inconsistent data.
- **Exploratory Data Analysis (EDA):** Techniques to analyze data using statistical measures and visualizations.
- **Tools and Technologies:** Hands-on introduction to Python, SQL, and data visualization concepts using Power BI.



- **Real-World Applications:** Case studies demonstrating how data analytics is applied in business, healthcare, and technology sectors.
- **Career Guidance:** Discussion on career paths, required skills, certifications, and industry expectations.

Participant Engagement and Major Highlights

The workshop witnessed active participation from students. Participants were encouraged to ask questions, share ideas, and solve practical problems during live demonstrations. Key highlights included:

- Live data analysis demonstrations using sample datasets.
- Interactive question-and-answer sessions after each module.
- Real-world examples that helped participants relate concepts to practical scenarios.
- High engagement during hands-on exercises and discussions.

Activities and Discussions Carried Out

- Hands-on practice sessions using datasets for basic data analysis.
- Group discussions on how analytics can be applied in participants' respective domains.
- Interactive discussions on innovation, start-ups, and the role of data in building scalable solutions.
- Open discussion on ethical use of data and data privacy considerations.

Outcomes:

The one-day workshop on Data Analytics resulted in significant knowledge and skill enhancement among the participants. Attendees gained a clear understanding of core data analytics concepts, including data collection, data cleaning, exploratory data analysis, and data visualization using industry-relevant tools such as Python, SQL, and Power BI. The hands-on sessions enabled participants to apply theoretical concepts to real-world datasets, thereby improving their analytical thinking and problem-solving abilities.



The workshop also created strong awareness about innovation, start-ups, and intellectual property rights (IPR) by highlighting how data-driven solutions play a crucial role in modern businesses and entrepreneurial ventures. Participants were introduced to real-life case studies demonstrating how analytics can support decision-making, optimize processes, and generate innovative solutions. This exposure encouraged students to think beyond academics and explore analytics-based start-up ideas.

Through interactive discussions and group activities, participants were able to identify potential project ideas and prototype concepts where data analytics could be effectively applied, especially in domains such as healthcare, finance, education, and marketing. The workshop further promoted networking and collaboration by facilitating interaction among students, professionals, and the resource person, fostering knowledge exchange and future collaboration opportunities. Overall, the program motivated participants towards continuous learning, with several students expressing interest in pursuing advanced analytics courses, certifications, and recognition through data-driven projects and competitions.

Student Participants Report:

https://drive.google.com/drive/folders/1WukmWa3omsg2rr7qubwRewMZ1--S0zUP?usp=drive_link

D. PARTICIPATION DETAILS

- 23. Number of Student Participants:22**
- 24. Number of Faculty Participants:3**
- 25. Number of External Participants:0**
- 26. Total Participants:25**
- 27. Expenditure (If any): ₹ 0**



E. VISUAL & EVIDENCE SECTION



Feedback Summary:

Timestamp	Name of the Participant	Department	COLLEGE NAME	EMAIL ADDRESS	CONTACT NUMBER	How would you rate your overall experience with this workshop?	Column 7
12/12/2025 15:07:37	Alen Baiju	Data Science	Bishop Jerome Institute	sijibaiju44@gmail.com	7736051671	5	Excellent
12/12/2025 15:09:44	Adrin Antony B	Data science	Bishop Jerome Institute	adrin2749@gmail.com	9562005767	4	
12/12/2025 15:09:52	Karthik	Data Science	Bishop Jerome Institute,	Kkarthik69342@gmail.cc	9387678000	4	
12/12/2025 15:42:59	Ezra p	Data science	Bishop jerome institute	paulezra056@gmail.com	8714540926	5	
12/12/2025 15:56:07	Angel Roy	CSE(Data Science)	Bishop Jerome Institute,	angelroy1106@gmail.cor	9446494480	5	Overall good and effective.. The class was interactive and understandable. We were able to grasp the topics clearly and also it was very informative section. Thankyou for this wonderful section.
12/12/2025 17:01:22	Gayathri S	Data Science	Bishop Jerome Institute	gangotrigayu@gmail.con	9778519310	5	
12/12/2025 17:06:20	K Niranjan	Data Science	Bishop Jerome Institute	niranjanmkiran@gmail.cc	8129474943	5	Good class
12/12/2025 17:16:24	Vinayak vk	Data science	Bishopjerome	vinayak2005vk@gmail.cc	7994580600	5	
12/12/2025 17:21:12	Durga Sugathan	Data science	Bishop Jerome Institute	durgasugathan67@gmai	8547889279	5	
12/12/2025 21:51:11	Ebin Joyi	Data Science	Bhishop Jerome Institute		8891484201	5	
13/12/2025 18:41:55	Sharon s	Data science	Bishop jerome institute	sharonshaji036@gmail.c	9142903413	5	

F. FOLLOW-UP & IMPACT

Linkage with National Innovation Ecosystem:

The outcomes of the workshop are aligned with the objectives of the National Innovation Ecosystem. Details of the event, including participant data and activity outcomes, will be submitted to the IIC portal for record and evaluation. Participants were encouraged to engage in national-level hackathons, innovation challenges, and startup competitions announced by reputed agencies. Awareness was also created regarding IPR filing procedures, patent searches, and the importance of protecting innovative ideas. Potential ideas identified during the workshop will be guided towards incubation programs, startup proposals, and

government-supported innovation schemes, fostering a strong connection with the national innovation framework.



Follow-Up Actions:

As a follow-up, selected participants will receive mentoring support for refining their ideas and developing working prototypes. The institution plans to organize advanced workshops, hands-on training sessions, and expert talks on related themes to ensure continuity. Innovative ideas identified during the workshop will be reviewed by the IIC committee and shortlisted for further technical and financial support.

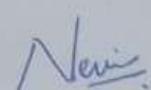
Remarks / Suggestions for Improvement:

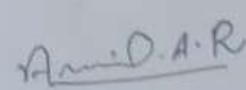
Future workshops may include longer hands-on sessions, industry expert interaction, and interdisciplinary team participation to further enhance innovation outcomes

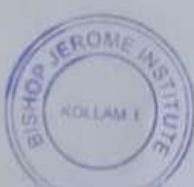
Signatures

Faculty Coordinator: SUJITHSREE P.S 

IIC Convener: ROY S. 

IIC Event Coordinator: NEVIN NELSON 

Principal / Head of Institution: Dr. ANIL A.R 



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