ASUTOSH COLLEGE (Estd. 1916) 92, S.P. Mukherjee Road Kolkata – 700026



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> Title Of Event/ Programme (Seminar/ Webinar/ Workshop/ Extension Lecture/ Extension Activity/ Any Other Activity): Research Methodology Seminar

> Theme of The Event/ Programme: Research Methodology on 'Big Data Science'

> Academic Session: 2024 - 2025

Date: 12.03.2025

➤ Venue: Seminar Hall, Bhasa Campus, Asutosh College

➤ Objective / Purpose: Seminar Talk on Research Methodology in "Big Data Science" has multifaceted use for students:

- Understanding Big Data: To provide a comprehensive understanding of what Big Data is, its characteristics and its significance in contemporary research.
- Exploring Research Methodologies: To introduce and explain the various research methodologies and techniques used in Big Data science, including data mining, machine learning, statistical analysis, and predictive modeling.
- Hands-on Tools and Technologies: To familiarize participants with the tools, platforms, and technologies that are essential for conducting research in Big Data.
- Addressing Challenges in Big Data Research: To discuss the common challenges in Big Data research, such as data privacy, ethical considerations, scalability issues, and handling unstructured data.
- Best Practices in Big Data Research: To highlight best practices, guidelines, and strategies for effectively conducting research in Big Data, including data collection, cleaning, analysis, and interpretation.
- **Real-World Applications**: To illustrate the application of Big Data research methodologies across different industries and domains, such as healthcare, finance, marketing, and social sciences.
- Future Trends and Opportunities: To explore the emerging trends in Big Data research, including the integration of AI, IoT, and cloud computing, and their potential impact on future research methodologies.
- > Speaker/S / Resource Person/S: Santam Shome, AI Data Science Developer, Praxis Tech School & Business School, Kolkata
- ➤ Target Audience / Participants: 1st, 3rd and 5th Semester Students of Department of Software Development, B.Voc Studies.



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> Attendance Sheet: Yes

		SEMINAR TALK OR RESEARCH METHODOLOGY ON "BIG DATA SCIENCE" ACADEMIC SESSION 2024 – 2025				
Activity Date - 12.03.2025 STUDENT ATTENDANCE SHEET						
					NAME / SIGNATURE OF THE STUDENTS WITH DATE	SL. NO.
Sh old tout	14	Pritam Swannanhar				
Md Selim sekh	15	Aloke Digan				
Annal komakan	16.	Subhajit Bera				
SKMohammad Reswan	17-	Armap Singha				
Nisrai Chaus	18.	sohail mallick				
Rishar Debnath	19.	Pappa Khan				
Soundeep Harma	20	SIC Abdul Kadir				
Chayan Sanafa.	21.	Anjali murmu.				
mo suras ali sordur	22.	Md. Nachamal 3r				
Alabiahek Salna	23.	Biprolit Ray				
Mr. on	24,	Samarosh Sandar				
Subhadip Roman	2.5	Debkara Mandal				
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STUDENT ATTENDANCE SHEET				
SL. NO.	NAME / SIGNATURE OF THE STUDENTS WITH DATE	SL. NO.	NAME / SIGNATURE OF THE STUDENTS WITH DATE	
27	Pashe Pandey			
28.	AVI SAMANTA			
29.				
30.	Mahalakhi Roy			
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Dr Marse Principal Asutosh C ASUTOSH CO S P MODILE	ollege Signature			

> Brief Report About the Event / Programme:

Department of Software Development, B.Voc Studies, Asutosh College has organized a Research Methodology Seminar for the student of Department of Software Development, B.Voc Studies, Asutosh College on the topic "Research Methodology on Big Data Science" in association with Research & Development Cell and IQAC, Asutosh College.

• Overview of Big Data Science

The speaker began by explaining the basic concepts of Big Data. The session provided a comprehensive view of how Big Data is transforming industries and research across multiple sectors.

• Research Methodologies in Big Data

A major focus of the talk was on the methodologies used to analyze and interpret Big Data. The speaker elaborated on various techniques, including data mining, statistical analysis, machine learning algorithms, and predictive modeling. Reallife case studies were shared to show the application of these methodologies in fields such as healthcare, finance, and marketing.

• Tools and Technologies

The seminar covered the tools and technologies commonly used for Big Data analysis, such as Apache Hadoop, Apache Spark, and data visualization tools.

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Participants were introduced to how these tools facilitate large-scale data processing and analysis.

• Challenges in Big Data Research

The speaker highlighted several challenges in Big Data research, including issues related to data privacy, data integration, scalability, and the ethical implications of using large datasets. Solutions and strategies for overcoming these challenges were also discussed.

• Future Trends in Big Data Science

The session concluded with a discussion on the future of Big Data research, focusing on emerging trends like the integration of Artificial Intelligence (AI), Internet of Things (IoT), and cloud computing. The speaker also speculated on how these innovations would shape the next generation of research methodologies.

- Expected Outcome: The Seminar Talk on Research Methodology in Big Data Science was a highly informative session that provided valuable insights into the complexities of conducting research in the era of Big Data. It successfully achieved its objectives of educating participants about the methodologies, tools, challenges, and future trends in this field. Attendees left with a better understanding of how to approach Big Data research and its applications across industries, equipped with knowledge they could apply in their own work.
- > Geo-Tagged Photographs: Attached Below









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Poster of the Event / Programme:: Attached Below



