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

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


 **ASUTOSH COLLEGE**
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**Seminar Talk
on
Research Methodology on "Big Data Science"**

organised by
Department of Software Development, B.Voc Studies
in association with
**Research & Development Cell
&
IQAC, Asutosh College**


Speaker - Santam Shome
AI - Data Science Developer
Praxis Tech School & Business School
Kolkata

Date - 12.03.2025
Time - 12 Noon to 2 pm
Venue - Seminar Hall, Bhasa Campus, Asutosh College


Dr. Manas Kabi
Principal
Asutosh College

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