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A Report on the Guest Lecture: “Recent Trends – Data Science”

Date of the Event	May 30 ,2024
Title of the Event	Guest Lecture on Recent Trends – Data Science
Organized by	Dept. of Information Science and Engineering (Data Science), MVJCE, Bangalore

The Department of Information Science and Engineering organized a guest lecture on “Recent Trends – Data Science”, on 30th May 2024, at MV Jayaraman Auditorium. The event started at 1:30 pm and concluded at 4:00 pm. 520 students from IV semester and VI semester of the Dept. of ISE and CSE attended this event.

The Chief Guest, Mr. Prinshu Verma, founder of Prwatech and director of Eduprwa Pvt. Ltd., shared his experiences and insights about data science and various domains related to it.

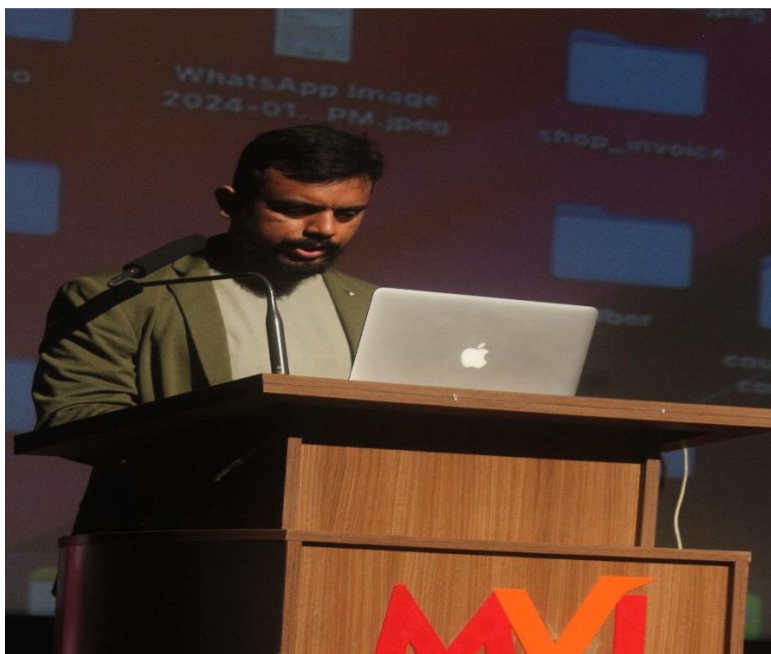


Figure 1: Chief Guest: Mr. Prinshu Verma

Data science is a rapidly evolving field, driven by advancements in technology, changes in business needs, and the continuous growth of data. The recent trends in data science are: Artificial Intelligence and Machine Learning, Big data technologies, Cloud Computing, Decentralized Data Processing and many more. Artificial Intelligence (AI) is a broad field of computer science focused on creating systems capable of performing tasks that typically require human intelligence. Data science and artificial intelligence are the most prominent fields in the present day computer world. Data engineers play a vital role in the field of data science. They design, construct and maintain the infrastructure and the systems needed for collecting, storing and analyzing large volume of data. They also ensure the availability of high-quality data for analysis and decision making.

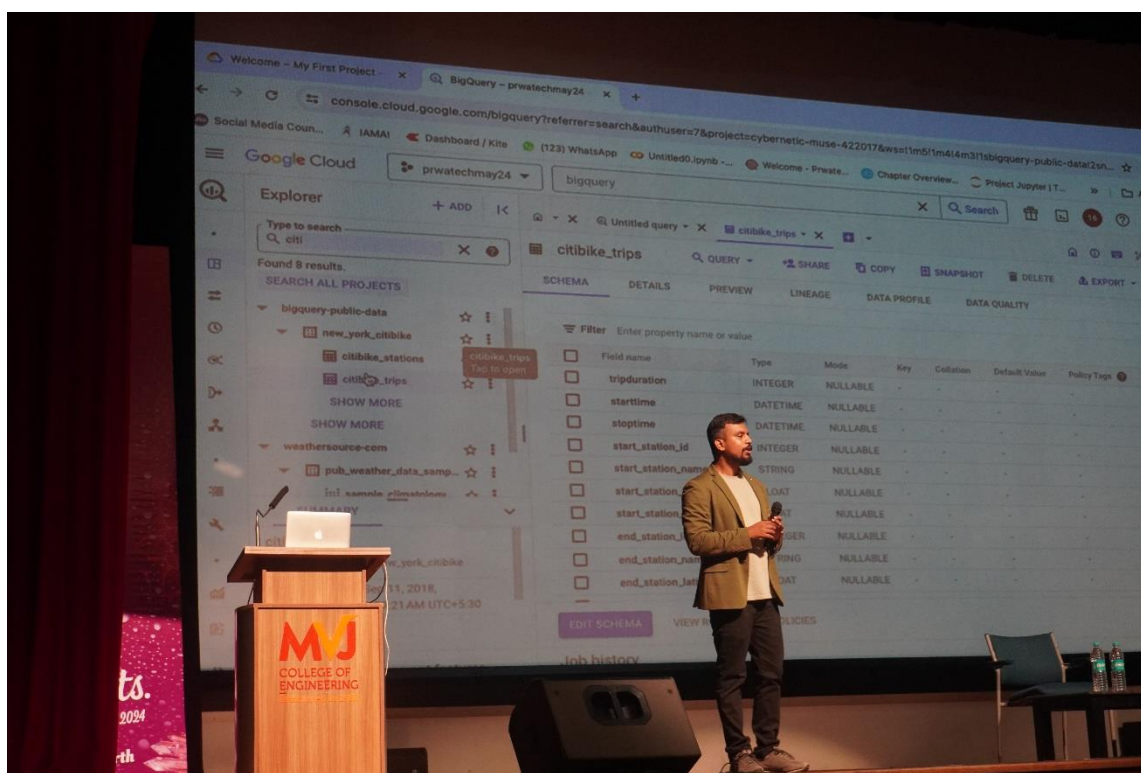


Figure 2: Recent Trends – Data Science Session

Data science also plays a pivotal role in social media by leveraging large volumes of data to extract meaningful insights, optimize user experiences, and drive strategic decisions. It is used in applications such as Zomato, Swiggy, Ola, Uber, and many more. It helps in data management and performance of the applications, analyzing user requirements, visualizing data, statistical and trend analysis, data cleaning, and implementing real-time analytics to provide insights on user behavior and many more such features. The future will likely see more integration of data science in everyday applications, improved tools and techniques for handling complex data, and greater emphasis on ethical considerations and explainability in AI models. As the field grows, data

scientists will play an increasingly critical role in shaping decisions and innovations across various industries.

About workshop on “Recent Trends – Data Science”

The workshop started with a brief talk about AI models, AI instructors, data science, data scientists, big data, and data engineers. Moving forward, a few questions, such as 'What can a data engineer do?' , 'What can a Full Stack Developer do?' , 'Why do you use apps and their data like ola and uber?' were asked to the students and these were also answered by giving a detailed explanation about data science, data science engineers and their various responsibilities and how data science is implemented in social media along with different analytical skills.



Figure 3: Audience

How social media works in real time and how data is used efficiently using cloud technology and real-time analytics to improve the user’s experience was also discussed. An Example of NYC City Bike trips was also taken to explain about the application of big query. The overview of how it works, what kind of datasets are used and how the analysis and visualization is done was given along with some practical applications. A hands on experience was given to the students on how the prwatech app works.

Faculty Coordinator of the Event:

Mrs. Sayani (Asst Professor, Dept. of ISE)

Mrs. Renuka Devi K(Asst Professor, Dept. of ISE)

Student Coordinators:

1. Usha Singh G (1MJ21IS112)
2. Shruthi A Iyer (1MJ21IS102)
3. Nandhushree A (1MJ21IS067)
4. Vasudev Krishna (1MJ22IS124)
5. Nandan Patil M(1MJ22IS065)
6. Murali N P(1MJ22IS064)
7. Shamanth M Elukoti(1MJ22IS103)
8. Pavan Singh D N(1MJ22IS409)
9. Onkar Vishwajeet(1MJ22AI037)
10. Aklavya Verma(1MJ22IS007)
11. Harini A(1MJ22CD014)

Outcome of the Event:

The guest lecture inspired many students to choose their career path in data science. All the students' questions were addressed and the event provided enlightening information about how data science, AI, and big data work currently and how it evolved this far.