Storytelling with Data: An Active Learning Tool in CPP

Course Name and Code : Computer programming in cpp

Class and Div. : S Y B Tech. B Div

Department : Mechanical Engineering

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Purpose and Motivation

- Storytelling with data is a method of using narrative techniques to convey analytical insights and data-driven findings.

- It combines the power of storytelling with the clarity of data visualization to communicate information in a compelling and engaging way.

- For the CPP subject, storytelling with data helps students develop a deeper understanding of complex topics and encourages them to think critically about data.

- This approach creates an active learning environment that promotes creativity, collaboration, and innovation.

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Suitability of Technique to course

- Enhanced Engagement:

- Real-World Relevance:

- Creativity and Critical Thinking:

- Communication Skills:

- Team Collaboration:

- Applied Learning:

- Long-Term Retention:

- Personalization:

- Fun Learning Experience:

While "Storytelling with Data" can be a valuable addition to the CPP course, it's essential to balance it with other active learning techniques and traditional lectures to create a well-rounded learning experience. Additionally, providing proper guidance and resources for creating effective data stories is crucial for ensuring its success in the CPP curriculum.

Procedure of Technique

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Incorporation into Curriculum	Creating and Presenting Videos	Tools and Resources
Students are introduced to storytelling with data in the CPP CPP subject through a series of of lectures and hands-on exercises. They are guided through the process of creating their own videos using different tools	Students choose a dataset to analyze and prepare a video presentation that tells a story based on the data. They work in teams to develop a storyboard, gather and clean data, create visualizations, and combine them into a video format. The final videos are presented to the class for feedback and evaluation.	Students have access to a range of tools and resources to support their storytelling with data projects, including computer labs, online datasets, and video editing software. They also receive guidance and support from their teachers throughout the process.

Outcomes of Technique

Outcomes of Storytelling in CPP (C++)
1. Improved Data Interpretation
2. Data Visualization Skills
3. Real-World Context
4. Creative Expression
5. Communication Proficiency
6. Data-Driven Decision Making
7. Deeper Understanding

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Photographs and Student Response

Visible groups: All participants

Grading summary

Hidden from students	No
Participants	73
Submitted	62
Needs grading	62
Due date	Wednesday, 28 June 2023, 8:00 PM
Time remaining	Assignment is due
Late submissions	Only allowed for participants who have been granted an extension

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THANK YOU!!!!