



VIGNAN'S NIRULA

INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada)

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Department of Information Technology

Innovative Teaching Practice

Course Information

Faculty Name	: Mrs.E.Amrutha Varshini,Mrs.G.Lakshmi Durga
Course Name	: Management Information Systems (MIS)
Class	: II B.Tech I Semester
Academic Year	: 2021-2022
Activity Name	: One Minute Paper
Topic	: Comparison of Different Methodologies

Objective of the Activity

The objective of the One Minute Paper activity is to help students quickly reflect on and articulate their understanding of the various methodologies used in Management Information Systems (MIS). This exercise encourages students to summarize core concepts such as the advantages and disadvantages of different methodologies, and their applicability in real-world business scenarios. By focusing on comparative analysis, students will develop a deeper understanding of how methodologies such as Waterfall, Agile, and Spiral are utilized in solving MIS-related challenges.

Pre-Class Preparation

Students are required to:

- Review the assigned materials on **Comparison of Different Methodologies in MIS**, focusing on:
 - **Overview of Methodologies:** Understanding different approaches like Waterfall, Agile, Spiral, and others commonly used in MIS.
 - **Advantages and Disadvantages:** Key benefits and challenges associated with each methodology.
 - **Applicability in Different Contexts:** When and why certain methodologies are chosen for different types of MIS projects.
 - **Comparison Criteria:** Factors such as flexibility, project size, customer involvement, and risk management that impact the choice of methodology.
- Prepare questions on any unclear aspects of the methodologies, such as the specific conditions under which one methodology might be preferred over another.

In-Class One Minute Paper

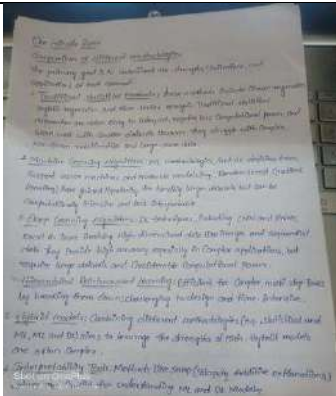
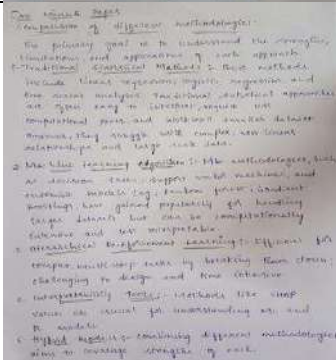
Instructions:

At the end of the lecture on Comparison of Different Methodologies in MIS, students are given one minute to write a short paper addressing the following prompts:

1. Briefly define the key differences between major methodologies in MIS (e.g., Waterfall, Agile, Spiral).
2. Explain how the choice of methodology affects the success of an MIS project.
3. List one advantage and one disadvantage of a chosen methodology and propose a possible solution to overcome the disadvantage.

Submission

Students will submit their papers at the end of the one-minute writing period. This exercise allows the instructor to assess students' immediate reflections on the material covered and provides insight into their understanding of different methodologies and their practical implications in MIS.

One Minute Paper	Screenshot of the practice	
<p>On the topic Comparison of Different Methodologies by 16NN1A1263</p>	 <p>The screenshot shows a handwritten paper with the following text:</p> <p>Comparison of Different Methodologies The primary goal is to understand the strengths, limitations and applications of each approach.</p> <p>Traditional (Waterfall) Model: A linear sequential process involving distinct sequential phases and milestones. It is suitable for projects with well-defined requirements and low uncertainty.</p> <p>Agile Model: An iterative and incremental approach that emphasizes collaboration, frequent releases, and responding to change. It is suitable for projects with high uncertainty and changing requirements.</p> <p>Hybrid Model: Combines elements of both traditional and agile models. It allows for some sequential phases while incorporating agile practices for flexibility and responsiveness.</p> <p>Key differences between traditional and agile models include the degree of flexibility, the frequency of releases, and the level of stakeholder involvement.</p>	
<p>On the topic Comparison of Different Methodologies by 16NN1A12B5</p>	 <p>The screenshot shows a handwritten paper with the following text:</p> <p>Comparison of Different Methodologies The primary goal is to understand the strengths, limitations and applications of each approach.</p> <p>Traditional (Waterfall) Model: A linear sequential process involving distinct sequential phases and milestones. It is suitable for projects with well-defined requirements and low uncertainty.</p> <p>Agile Model: An iterative and incremental approach that emphasizes collaboration, frequent releases, and responding to change. It is suitable for projects with high uncertainty and changing requirements.</p> <p>Hybrid Model: Combines elements of both traditional and agile models. It allows for some sequential phases while incorporating agile practices for flexibility and responsiveness.</p> <p>Key differences between traditional and agile models include the degree of flexibility, the frequency of releases, and the level of stakeholder involvement.</p>	

Benefits of the Practice

1. **Encourages Reflection:** The One Minute Paper forces students to pause and synthesize their understanding of the different methodologies in MIS, helping them to clearly differentiate between the approaches in a concise format.
2. **Provides Immediate Feedback:** The one-minute timeframe allows the instructor to quickly assess the class's understanding and identify specific areas for improvement or further explanation in future lessons.
3. **Reinforces Key Concepts:** Writing about the comparative advantages and disadvantages of methodologies helps students reinforce key concepts about project management in MIS, a crucial aspect of the course.
4. **Improves Written Communication:** This activity enhances students' ability to express complex technical concepts in writing, a vital skill in both academic and professional settings.

Signature of Faculty Member:

Head of Department