

From the based scenario of the previous session of research methods. The following are the answers depending on the described provided, these are as follows: -

1.To summarize the introduction.

The introduction from the selected paper is:

The effective communication and smooth information flow are crucial for successful construction project management, especially because project participants are often located in different places. ICT helps improve this communication and coordination, but its benefits are difficult to evaluate across multiple organizations. Therefore, the study examines how ICT contributes to better project management and how different ICT-related benefits are connected.

2.Name of the paper with the author's name

The name of the paper or paper title is: **Benefits of collaborative ICT adoption for building project management.**

The Authors: **Vanita Ahuja, Jay Yang, and Ravi Shankar**

3. Summary of the Problem Statement

ICT is known to improve communication and coordination in construction projects, yet its actual benefits remain difficult to measure because different participants perceive them differently and the benefits are interconnected across multiple organizations. This creates a problem where project teams struggle to understand the true impact of ICT adoption. As a result, there is an evaluation gap due to the absence of a clear framework that shows which ICT benefits drive others and which ones should be prioritized during implementation.

4. Objectives of the paper

The objectives are categorized into two section which are the main and the specific objectives such that: -

- The main objective of the paper

To evaluate and analyze the perceived benefits of ICT adoption in building project management and understand their interrelationships using the Interpretive Structural Modeling (ISM) technique.

- The Specific Objectives

1. To identify and categorize the key benefits of adopting ICT in building project management.
2. To develop an ISM model showing how project, team, technology, and organization-related benefits influence each other.
3. To provide guidance for construction organizations on which strategic ICT benefits to focus on to maximize effectiveness.

4. To assist project managers in planning ICT adoption based on interconnected benefits.

## 5. Gap of the Paper

The paper addresses several gaps in existing construction ICT research, these are: -

1. Lack of quantitative evaluation methods  
Prior studies struggled to quantitatively measure ICT benefits in multi-enterprise construction environments.
2. Limited understanding of interrelationships among ICT benefits.  
Previous research did not explain how different ICT benefits (project, team, organizational, technological) influence each other.
3. Absence of a structured decision-support model.  
There was no structured model guiding project managers on which ICT benefits are foundational (high-driving power) and which are dependent outcomes.
4. Insufficient focus on strategic benefits.  
Existing literature did not highlight which benefits should be prioritized at the strategic level for successful ICT implementation.