



## Project Phase II

**Topic:**

**Elicitation Techniques**

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## Elicitation Technique:

### Defination:

Elicitation techniques are methods used to gather information and requirements from stakeholders when developing a system, software, or any technology product.

## Elicitation Techniques in Learnova:

In the case of Learnova, an AI-powered learning management system, several elicitation techniques can be employed to understand the needs and expectations of both teachers and students. Here are some relevant elicitation techniques and why they might be used for Learnova:

### 1.Interviews:

- Conducting interviews with teachers, students, and educational experts can help elicit their specific requirements, pain points, and expectations from a learning management system.
- This technique allows for in-depth, one-on-one discussions to gather valuable insights.

## 2. Surveys and Questionnaires:

- Surveys can be distributed to a broader audience to collect quantitative data and feedback on various aspects of the learning management system.
- They are cost-effective and can be used to gauge opinions, preferences, and priorities.

## 3. Focus Groups:

- Organizing focus group discussions can be particularly beneficial for understanding group dynamics and collaborative learning needs.
- Teachers and students can express their opinions and concerns, facilitating group discussions to identify common themes.

## 4. Observation:

- Observing teachers and students in their learning environments can provide firsthand insights into how they interact with technology, their challenges, and their needs.
- This technique can help uncover usability issues and workflow inefficiencies.

## 5. Prototyping and Mock-ups:

- Creating prototypes or mock-ups of the Learnova system can be useful for gathering feedback from stakeholders.
- Users can interact with these visual representations to understand the system's look and feel and provide feedback on the user interface.

## 6. Brainstorming Sessions:

- Brainstorming sessions with teachers, students, and development teams can be used to generate ideas for features and functionality.
- This technique fosters creativity and can lead to innovative solutions.

## 7. Contextual Inquiry:

- Observing and interviewing users in their real learning environments can help uncover specific use cases and requirements.
- This technique is particularly helpful in understanding the context in which Learnova will be used.

## 8. Competitor Analysis:

- Analyzing existing learning management systems and educational technology products can help identify features and functionalities that are well-received by users.
- This can provide insights into what Learnova should aim to incorporate or improve upon.

## 9. Taking information about websites giving information about platforms like Learning Management Systems (LMS)

- Google Classroom
- Canvas
- Moodle
- Schoology
- Edmodo

- Blackboard

## 10.Social Learning Platforms

- ClassDojo
- Flipgrid

## 11.Interactive Presentation Platforms

- Pear Deck
- Kahoot!
- Nearpod

## 12.Other Features

- Screen recording
- Report, block, and mute
- Voice recording
- Voice call and face call

## Important Factors

When choosing which techniques to use, it is important to consider the following factors:

- The nature of the system
- The time and budget available
- The experience and skills of the requirements engineers
- The preferences of the stakeholders (use survey method)

## Conclusion

It's often beneficial to use a combination of these techniques to ensure a comprehensive understanding of the requirements and expectations of both teachers and students. Additionally, continuous feedback loops and iterative design processes are essential in the development of a learning management system like Learnova to adapt to evolving needs and technology trends in education.

### Links that use

<https://developers.google.com/classroom/add-ons/requirements>

<https://www.selecthub.com/learning-management/learning-management-software-requirements-features-list/>

<https://compliancetraininggroup.com/fag/lms-requirements/#:~:text=Operating%20System%3A%20Windows%202000%20or,requirement%3A%20128MB%20of%20video%20memory>