AI-Assisted Polling System

Teacher inputs a topic (2nd grade math)
- AI generates multiple poll questions on the topic, with difficulty levels or question type
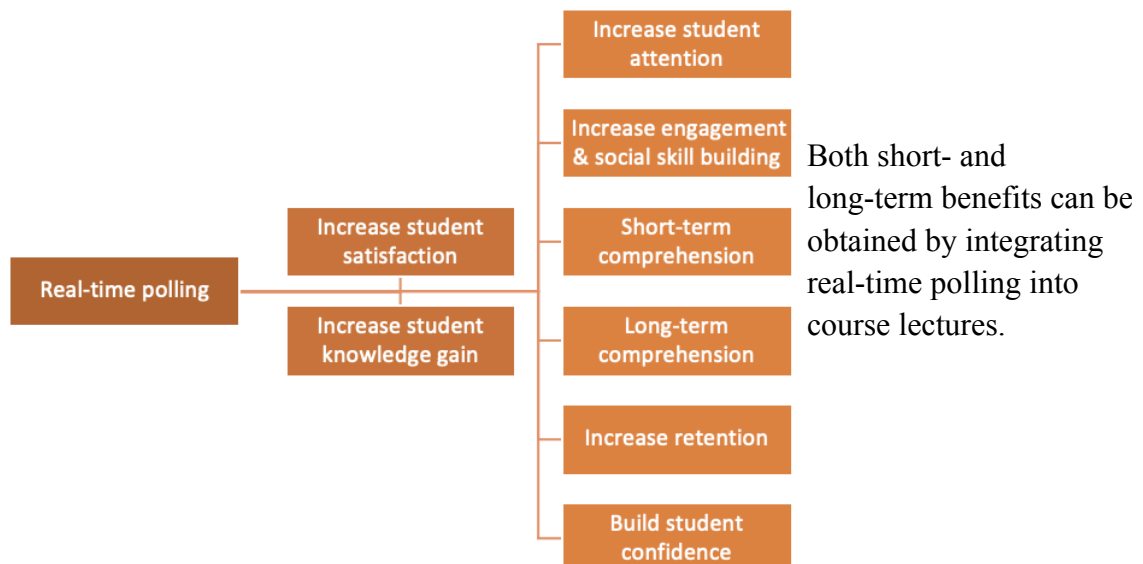- AI can create questions from find tuned

Adaptive Pollin
- Adjust difficulty of question based on performance of class

Immediate Feedback
- Percentage of correct and incorrect answers

Polling

- **Definition & Use:** Polling is an anonymous or semi-anonymous tool that helps instructors gather information from students about their background knowledge, opinions, or understanding of course material.

- Can be done using apps or with raising hands and using colored papers

- **Formative and Summative Assessments**: Polls serve as formative tools to check student learning progress and as summative assessments (e.g., quizzes) to measure understanding at the end of a unit.

- Students discuss their answers with peers, promoting deeper understanding. Confidence ratings can be incorporated as a self-assessment tool.

- Polls allow for greater honesty and participation, especially on controversial topics or in large class settings, by providing students with anonymity.

- Polling must align with the instructor's learning goals. Ex: discussion, tracking attendance, assessing learning

- Careful facilitation leads to more participation, understanding and discussions

- Instructors can use polls to have students make predictions about course content, stimulate class discussion with peers, and generate new ideas

- Study done in Clemson document showed that students said they were more focused and learned more from polling

Both short- and long-term benefits can be obtained by integrating real-time polling into course lectures.

- Some more benefits of polling:

    Reduce learner anxiety
- Reduces anxiety of sharing the wrong answer and helps students get insight about others and build confidence

    Uncover learning gaps
- Quickly identify where learner is having trouble and what topics needs to be revisited

    Provide feedback
- Students claim the feedback they get using polling is crucial to their learning

References:

1. https://ctl.wustl.edu/resources/polling-overview/
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5. https://blog.gutenberg-technology.com/en/how-to-using-polls-in-higher-education