# Lightning Talk

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# Problem Statement

Today, many students find it hard to stay focused during lessons, which affects how well they perform in school. The reasons behind this lack of focus can vary from person to person, some might find digital gadgets distracting, others might have personal challenges making it hard to concentrate, or sometimes, the way lessons are delivered just might not be engaging enough. This problem not only makes it hard for students to do well academically, but also affects their overall growth. Currently, the ways to help improve focus and attention in classrooms aren't really solving the problem, they might not cater to everyone's needs or just aren't effective enough. Therefore, there’s a real need for a new, easy-to-adopt solution that can help students stay attentive and engaged in the classroom, making learning a better experience for everyone.

# Proposed Solution

The focus bot is an AI-driven tool designed to remove distractions by employing real-time monitoring and personalized feedback, which would foster improved focus and engagement.

# Relation to the Overall Problem Goal

The overarching goal is to curb student inattention, foster engagement, and improve academic performance. FocusBot emerges as a good solution, because it employs AI to address the attention problem. By offering real-time monitoring and personalized feedback, it tackles the root causes of distraction and tailors it to each student's unique needs.

FocusBot provides a customized approach to keep students attentive. Its real-time feedback mechanism identifies attention lapses promptly, allowing for immediate corrective measures. Furthermore, by adapting to an individual’s learning patterns, it makes learning more engaging and less daunting, which is critical in sustaining focus.

# An Example Use Case

## User wants to set a pomodoro cycle:

1 Preconditions

Bot has a timer embedded in it

2 Main Flow

User will request a cycle and provide how many cycles they want to do, how long each break is, and how long each focus time is

3 Subflows

[S1] User provides number of cycles and time for breaks and focus time

[S2] Bot will return a confirmation

[S3] Bot will start pomodoro cycle and ring alarm once timer is up and show the user if they are in break or focus mode

4 Alternative Flows

[E1] No cycles in pomodoro are left so the bot will reset it all