Problem: Student Attention Detection

In classroom environments, teachers often find it difficult to monitor whether students are attentive, distracted, or sleepy during lectures. Manual observation becomes challenging in large classrooms.

To support observation-based elicitation, a Teachable Machine image classification model was developed to detect three states of student attention: Attentive, Distracted, and Sleepy.

The model was trained using webcam images and successfully tested to predict attention levels in real time.