

HCL

Smart Class Solution

For the connected
world



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HCL's Smart Class solution

The growing need for an analytical framework is to understand student's attentiveness and performance correlation with faculty's teaching methodology. Facilitating classrooms with Smart Class features like monitoring has been every education institution's need.



The **HCL's Smart Class solution** facilitates intelligent monitoring of student behavior, class engagement and attentiveness. It tracks the assessments by means of computer aided vision, facial recognition, and movement analysis.

A few key features of HCL's Smart Class solution are listed below:

- Automated capturing of attendance through facial recognition
- Tracking attentiveness of students based on their head/hand movements toward or away from the teacher - to improvise the engagement between students and teachers.
- Capturing students' moods (happy, sad, confused, scared, angry, and neutral) by understanding their interest in the classroom, and gauge the effectiveness of teaching methodology. It can also analyze mood charts against their attendance and attentiveness, and understand students' concerns.
- Tracking student activities in class - reading, listening, raising hands, answering and writing, and also notify authorities in case the sound crosses threshold decibel level.
- Capturing students' and teachers' behavior in a class by tracking and notifying authorities in case of an emergency such as faint, quarrel, and fire.
- Raising alertness to prevent unfair means - by scanning for unauthorized possessed objects and comparing them against the list of prohibited/undesired objects.



Smart Class Offerings



MONITORING

- Attendance
- Attentiveness
- Mood
- Teaching methodology
- Adverse movement
- Hazardous object
- Activity/movement tracking
- Emergency situation



PROCTORING

- Examinee verification and presence
- Assessment on-boarding
- Monitoring
- Adverse movement
- Compromised object
- Student focus deviation
- Background movement

Monitoring



Proctoring



Contact us: CS_Marketing@hcl.com



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