

ATTENDANCE-TAKING WITH AI



North Vista
Secondary School

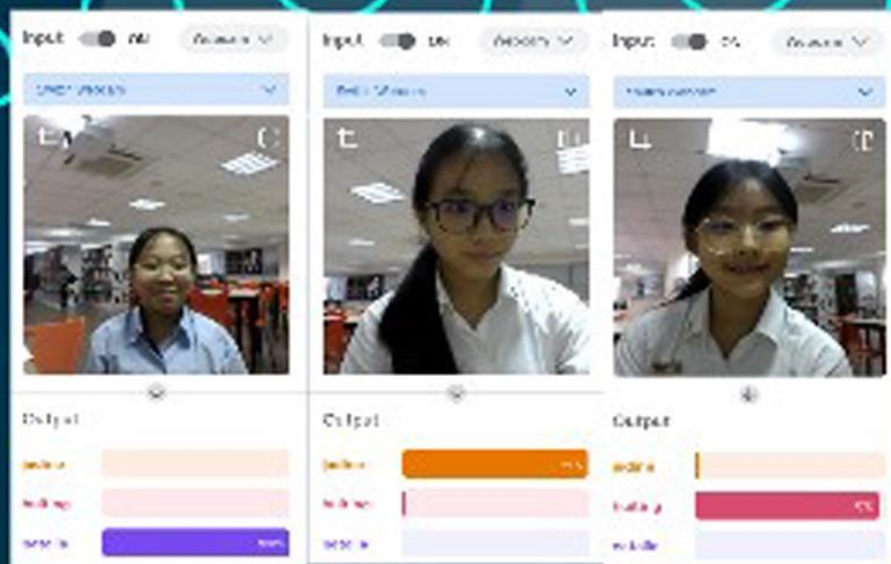
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Did you
know
that...

6.4%

of students are marked late
because of inefficient Attendance-
Taking System?



Issue

Attendance taking is a daily task in school. Teachers sometimes mistakenly mark students as absent when they are actually present but not in class at that moment. This is because there are times where students have duties and meetings to attend, and so they are not able to report to class immediately.

Methodology

We decided to integrate facial recognition using a website called "Teachable Machine" to aid teachers with the daily hassle of attendance taking.

We took pictures of faces of individual people from different angles and trained the model to be able to identify them. This can be used in school as teachers now need not hassle to take attendance.

Reflection

The model was quite effective but it can sometimes be inaccurate in identifying the correct faces sometimes which might also lead to wrong identification of students. There are also other factors affecting its inaccuracy. For example, image distance from machine, accessories like glasses and masks that can affect the facial recognition. Furthermore, this machine is only able to recognize faces, not record attendance in the system.