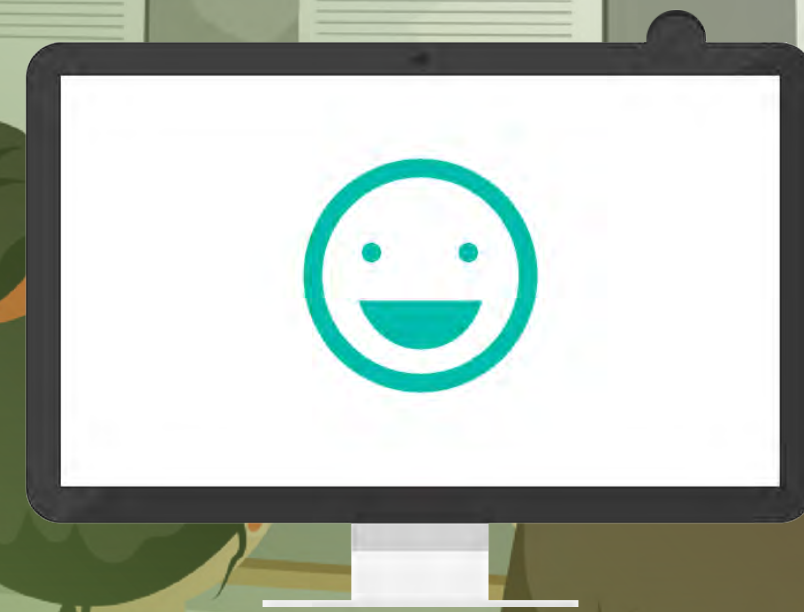


SMARTICE SMART NOTICE BOARD

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Problem and solution

Problem with Traditional Paper Notices

- Difficult to manage & organize
- Finding information takes time, if board is messy
- Will have to seek through all notices (even the ones that are not relevant to you!)

Solution – A Digital Smart Notice board

- Users see only the relevant information (targeted notices)
- Only relevant information is there, no need to seek through
- Organization of notices is well structured

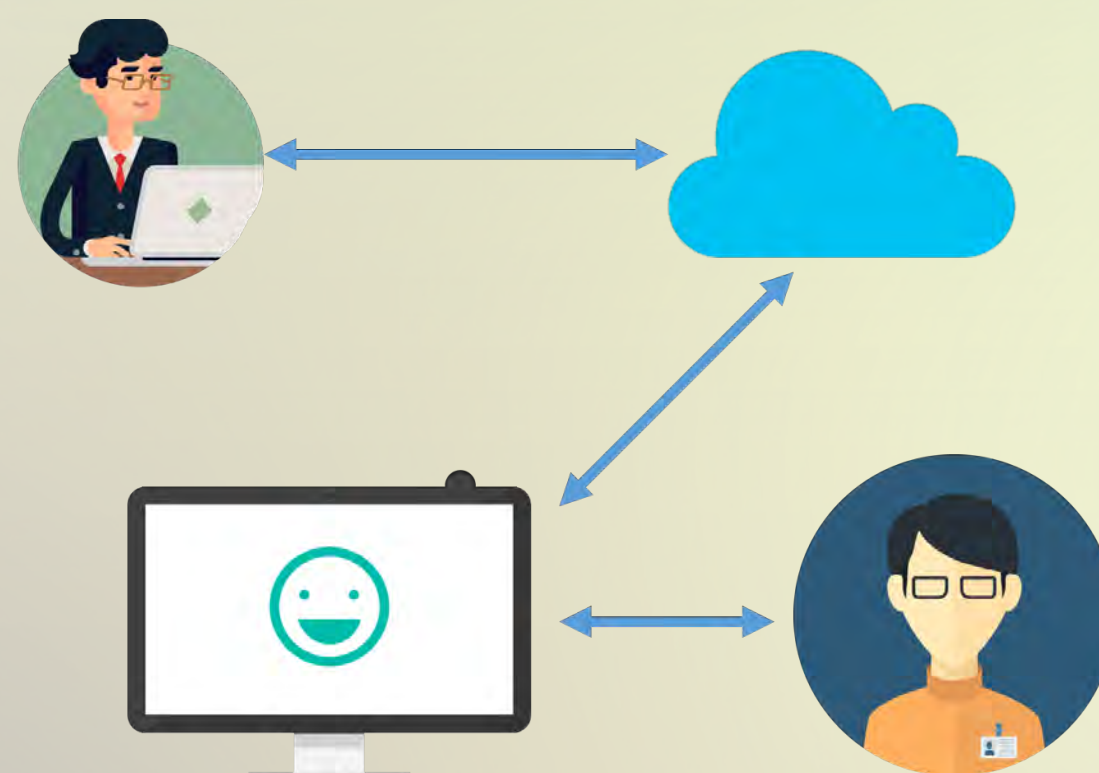
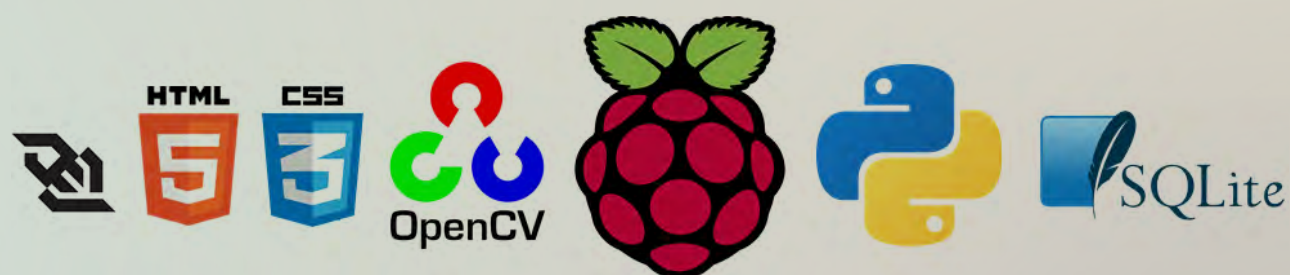
Background Information

There are digital billboards, which can be managed through web interfaces.

Our target is to create a digital noticeboard, to help students, easily get through their notices.

System model / Implementation

- Face recognition is used to identify users
- Keyboard input for new users, and navigation
- Notices are saved on an external server, to which Admins will post the notifications
- Websockets will be used to communicate between the RaspberryPI I/O and the web interface



Conclusion and Future work

- Make it fun and better, with features such as Timetable integration, "moodle" integration, etc.
- Add navigation helpers for guests



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