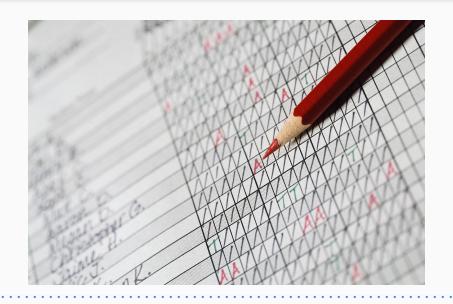
Face Recognition based Attendance System

The problem

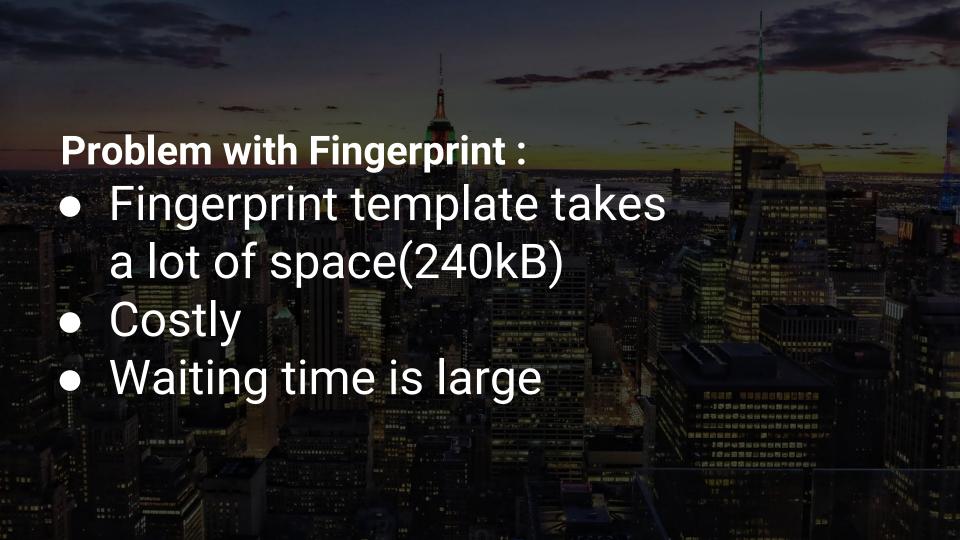
- 5-10 mins is wasted for taking attendance.
- Statistical data is hard to compute and analyze.
- False attendance and proxy.



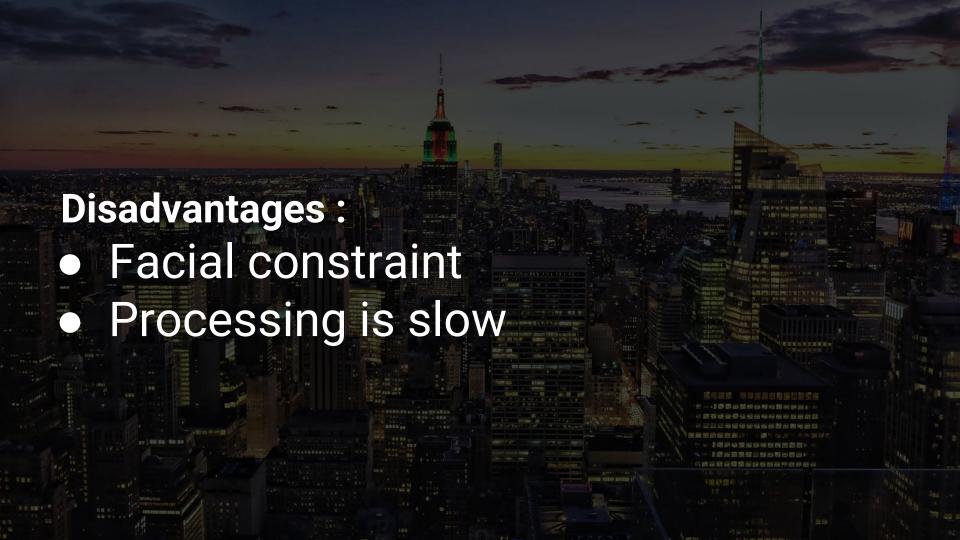


- Scanning ID cards
- Use finger print
- Use Face Recognition



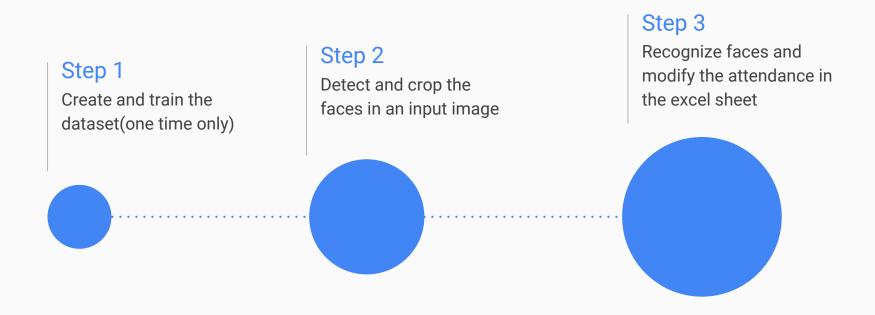


Face Recognition



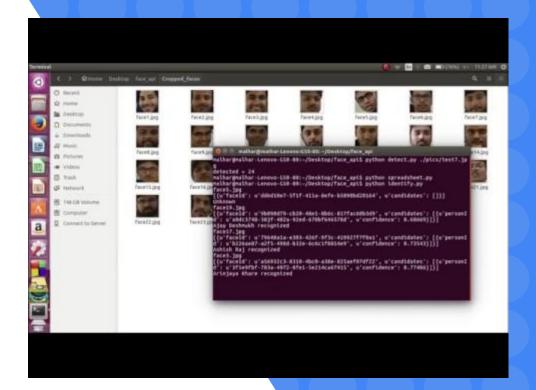


How it works





Video



Results

Image Name	Present	Detected	Recognized	Unknown	No face detected by api	Percentage recognized
test1.jpg	24	19	18	0	1	75.00%
test2.jpg	24	22	20	0	2	83.33%
test3.jpg	20	17	15	1	1	75.00%
test4.jpg	24	23	23	0	0	95.83%
test5.jpg	23	23	20	2	1	86.95%
test6.jpg	18	18	16	2	0	88.88%
test7.jpg	24	24	23	0	0	95.83%

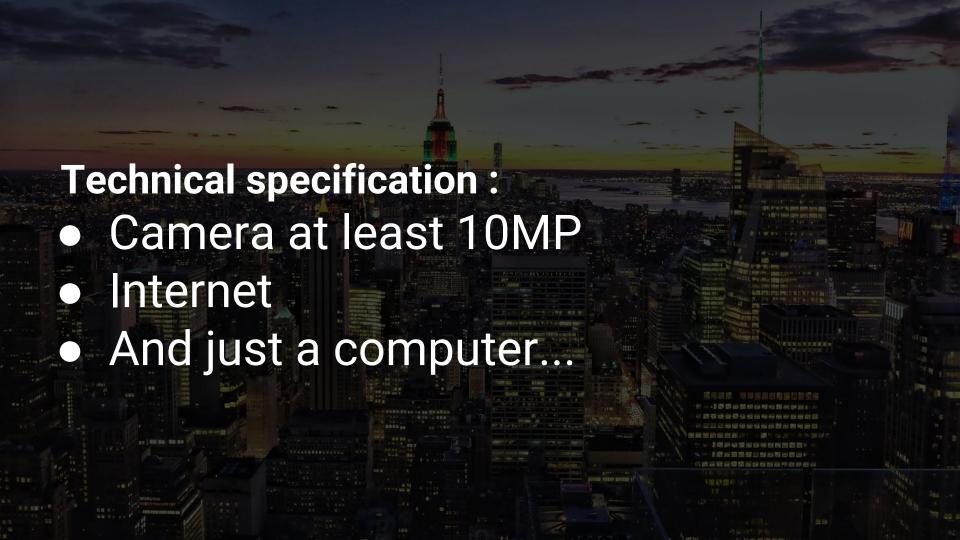
- No false recognition i.e., either the face recognized was correct or unknown
- We tested it on a class filled with 24 students at different parts of the classroom(both densely and sparsely populated) and it marks the attendance of all of them

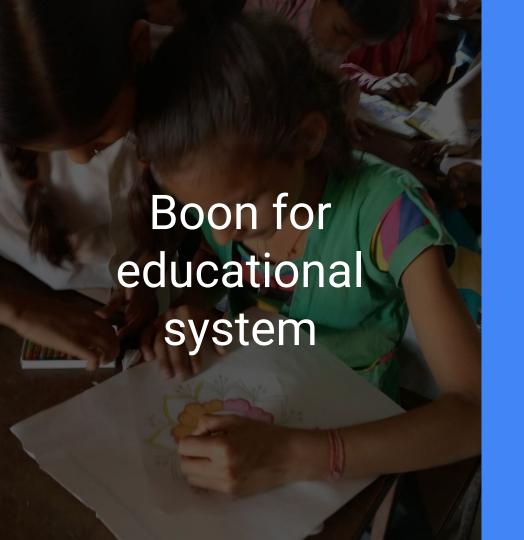




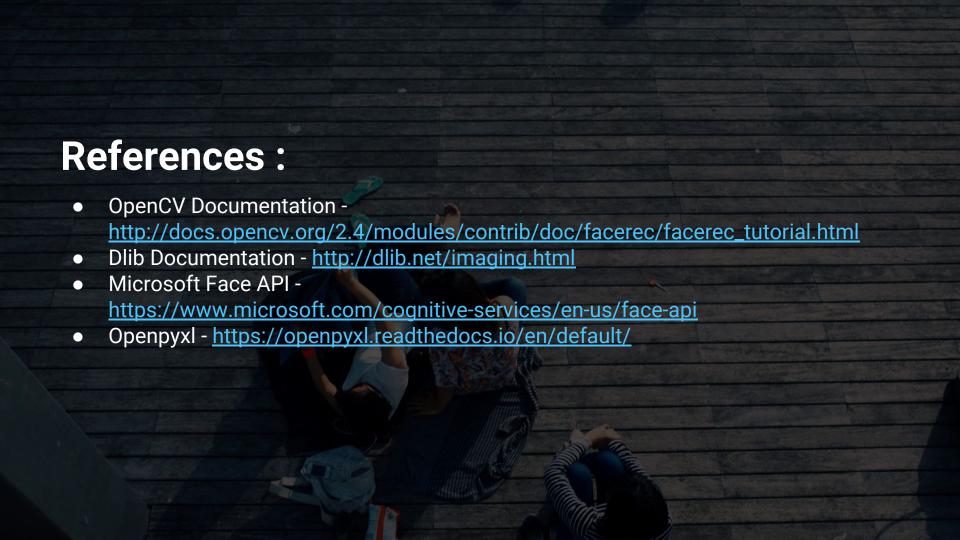
- RFID scanner(Rs. 3000+)
- Finger Print Scanner(Rs. 2000+)







- Action against "Flying Schools" can be taken, hence enhancing education
- Easy to record and analyze the statistics without any manipulation



Thank You