



"Team Wizards"  
presents

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# ATTENDANCE MANAGEMENT SYSTEM USING FACIAL RECOGNITION

FireFly Hackathon

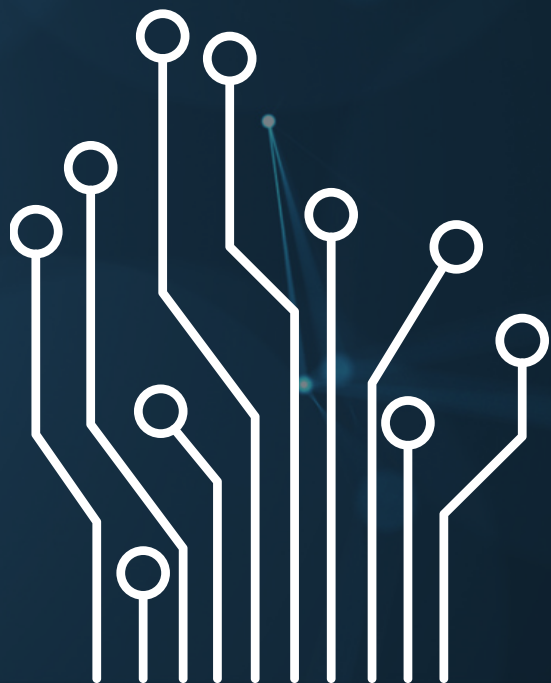
**NII, NITW**



# Present, but Inefficient?



Attendance, an essential for every educational institute that needs to be taken care of everyday, mostly happens offline, which takes a lot of time, also requires stationary storing record in an organized manner; also increases chances of proxy (pseudo-presence) and difficulty in maintaining previous records.

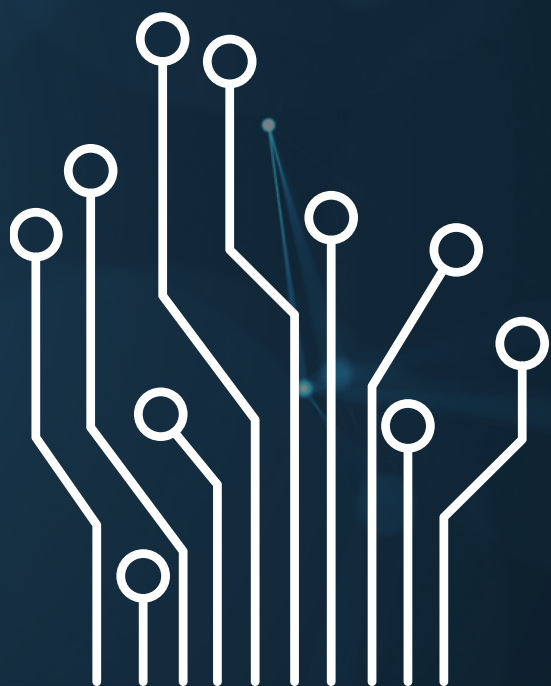






# Our Solution

Using facial recognition technology for attendance management system will save a lot of time, also will eliminate any chances of discrepancy/proxy and make this process error-free. it can and is being widely used due to its contactless and non-invasive process.





# Tools & Softwares Used



Programming  
Language

Python



Library

OpenCV



IDE

PyCharm



Library

Face  
Recognition



WebApp Developer

Google  
AppSheet



# Our product vs competitors

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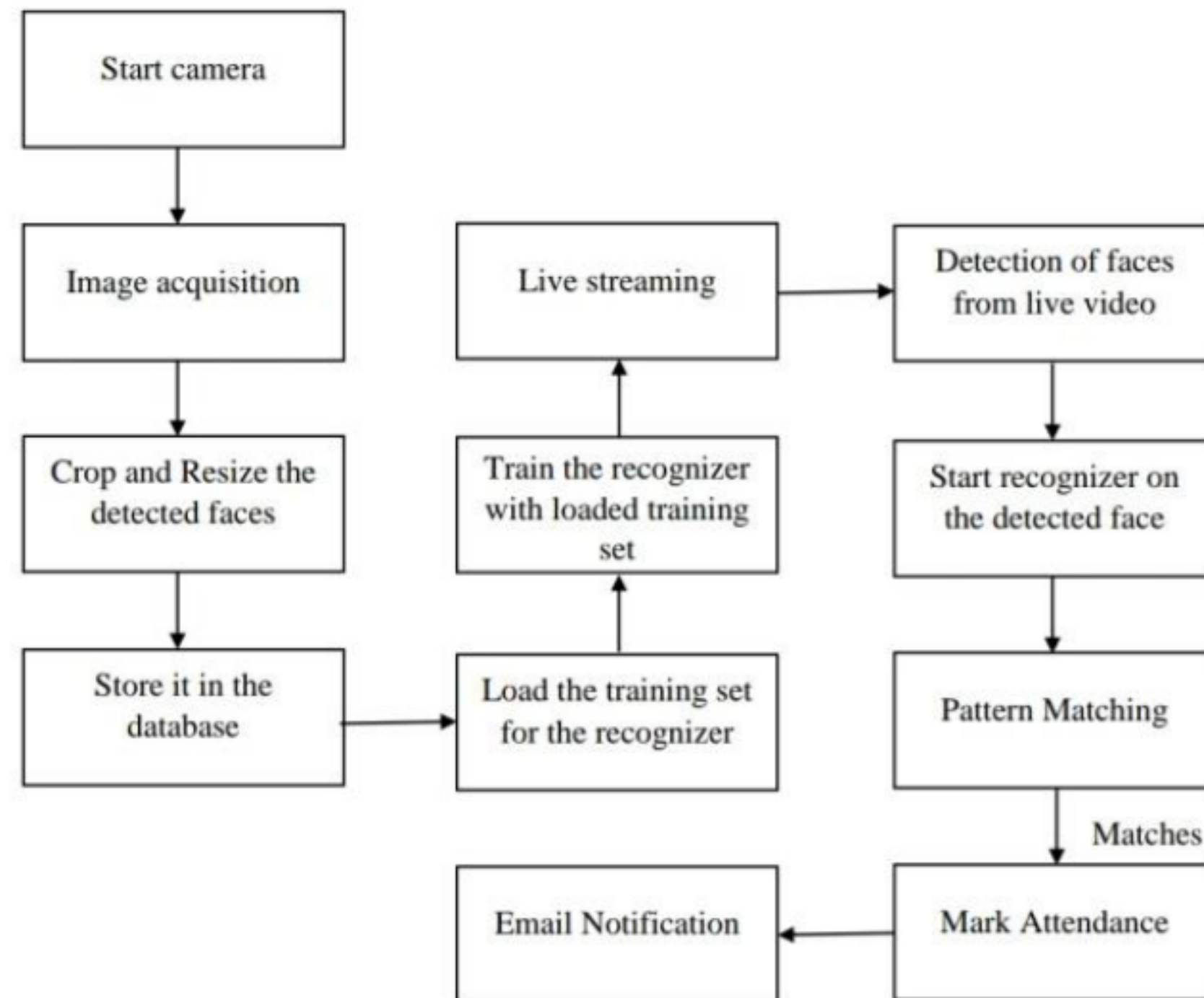


Standard attendance management system costs around INR 9,000, but our setup, after complete installation will cost around 3,000 per unit, which makes it possible to install this setup in bulk in educational institutes. As of now, our models' accuracy is ~95%.

Some of our competitors are TimeOffice, MantraBioFace etc.



# Algorithm Used







# Thank You!

**JOINT EFFORTS BY**

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