



AttendFY

ID linked Attendance & Activity monitoring

AI enabled Biometrics backed Attendance & Activity
Monitoring at Schools, Colleges & Training Centers

www.biocube.ai



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Background

Evolution of attendance monitoring system at Education & Training sector

Existing mechanisms for capturing attendance in schools, training centers and educational institutes are either paper based or extensively dependent on hardware-based systems like chip-based card punching and fingerprint scanners.

These mechanisms of capturing attendance are **not foolproof, can be proxied very easily and not operationally efficient**. Also specialized hardware-based system like card readers fingerprint readers etc are **extensive capex heavy and not easily scalable**. Also post pandemic any type of contact-based system have become risky due to the **potential of infection spread**.



Considering this, educational institutions & training centers are moving towards more reliable and touchless mechanisms attendance capturing like face scan etc, which is an improvement that partially but significantly remedied these problems. However, there are still issues with these currently available solution in market –

- ! They cannot operate without poor internet connectivity,
- ! Cannot run on any regular smartphone or webcam,
- ! Does not support multifactor biometric authentication,
- ! Limited number of features and functionalities,
- ! Not very modular and flexible in terms of customized rules settings based on institutes' need.

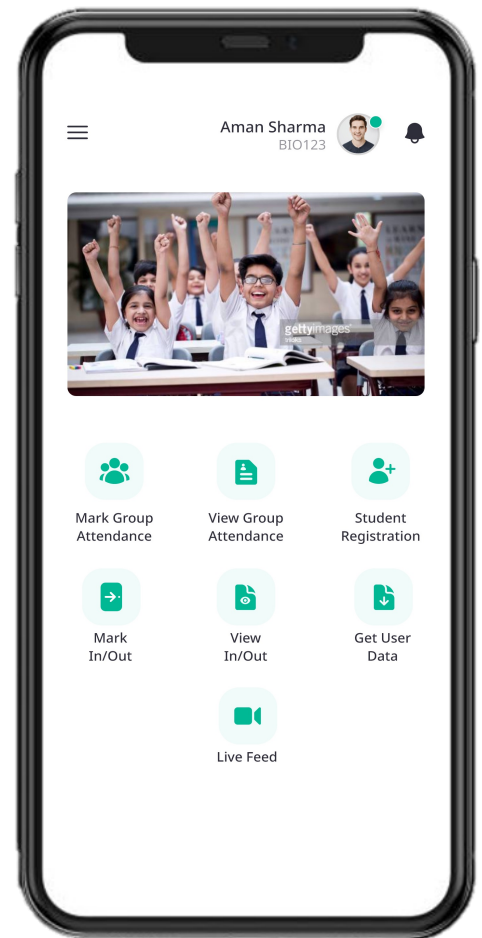
Biocube, using its proprietary Artificial intelligence enabled multifactor and multimodal biometrics tech stack, has developed a unique solution catering to all these unsolved problems of traditional attendance products. Moreover, after extensive research and analyzing diverse needs of institutes, training centres, schools, and colleges, Biocube has developed a unified and comprehensive new – age identity, attendance and activity monitoring product that not only makes the attendance marking system, completely spoof proof and easily configurable, but also brings whole lot of additional features that makes the system a lot smarter.

Introducing AttendFy

Biocube's **AttendFy** is an artificial intelligence & data analytics powered contactless unified application for capturing students' and staffs' attendance in multiple modes, either self-service on personal mobile or through centralized application on institute mobile/ tablet devices, and for holistic activity monitoring through various AI and analytics tools that makes the monitoring completely automated thereby bringing lots of actionable intelligence in real time.

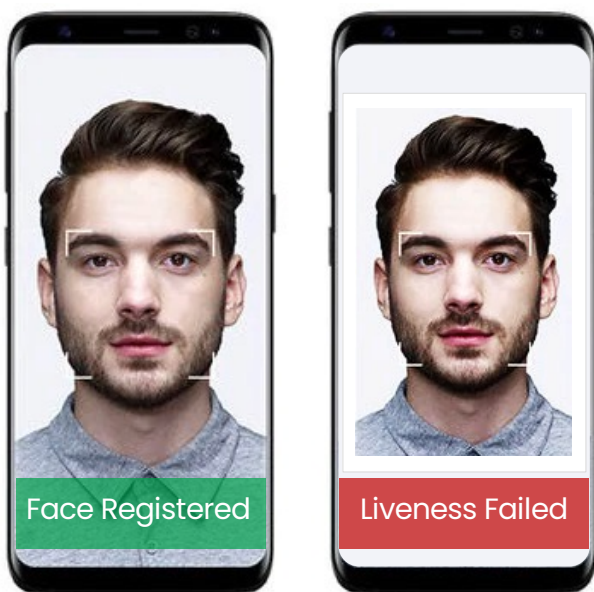
The flexible product architecture of AttendFy enables effortless handling of customized and complex rules and requirements of institutions.

In Overall, AttendFy provides a highly accurate, secure, and convenient method for attendance and activity monitoring, thus eliminating the risk of attendance spoofing and any misuse of benefits provided to students



Key Features

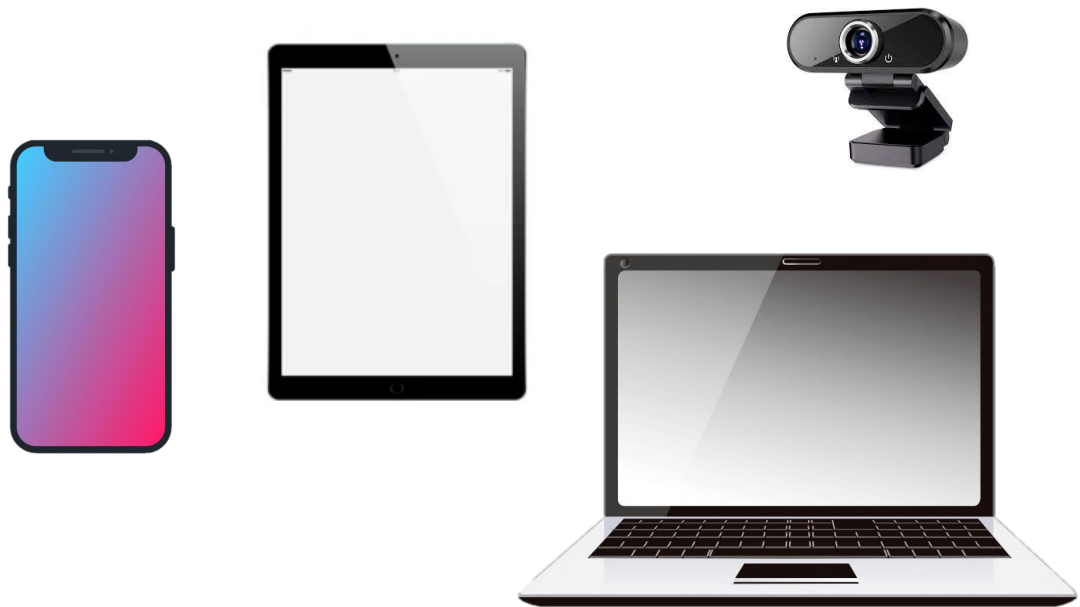
Unique feature sets backed by technology



- ✓ Face biometric registration & presence marking with **integrated passive liveness detection** – ensuring zero spoofing
- ✓ **Realtime Deduplication** during user onboarding eliminates risk of false identity based multiple enrolments of same user
- ✓ Possibility to **link verified ID** with biometrics during one time onboarding.

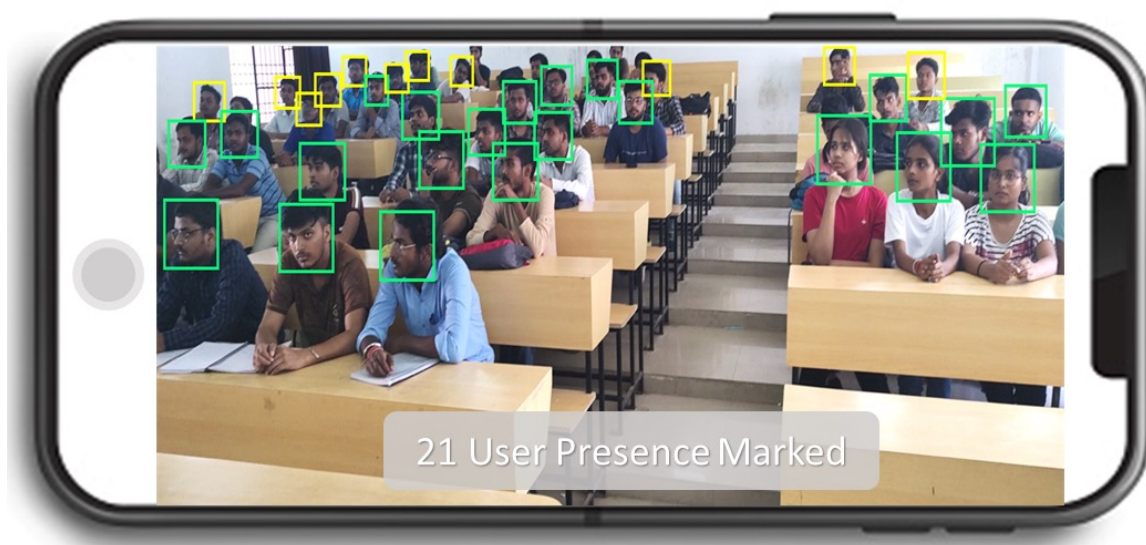


- ✓ Supported **interoperably on mobile, tablet, desktop webcam or laptop**



Diverse modes of attendance capturing including

- ✓ Attendance marking on self mobile or on any dedicated centralized tab or any webcam of institute – No added spend on hardware
- ✓ **Group attendance for entire class in minutes** through instructor's personal mobile application – Recognize all face on a single image frame **even in offline mode**



Multi Face Recognition in One Frame



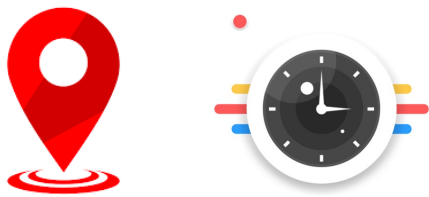
✓ **Online-Offline adaptable**

Mark attendance with Face, even in offline mode. Perfectly suitable for your need of marking attendance while you do not have internet connection.

Our efficient, **lightweight AI algorithm** runs on your regular mobile phone utilizing optimized compute and storage.

Even the Group Attendance feature for marking attendance of multiple people at one go, from a single image shot, also works in offline mode.

Integrated Geolocation and Timestamp with every attendance, whether online or offline.



✓ One click integration with IP cameras for **Live monitoring on mobile app/ web browser.**

Easily definable access role from admin panel for **customized access permission** of live stream.

✓ Provision for evidence capture with **bundled video recording of class** – Quality assurance of training.

End to End Journey

Teacher & Student Convenience with Comprehensive Monitoring

User Onboard with Face Biometrics Registration

One-time digital onboarding with face + liveness & any other biometrics at self service or assisted mode

One time binding of Government ID – Verified from source/ AI based validation

ID validation from Govt. source or institute master data with photo + details matching

Registration Request Approval – Multi-level approval workflow

Fast approval mechanism on admin dashboard with AI decision support engine

Course enrolment/ mapping with users

Onboarded students/ Instructors are enrolled against courses, by admin from backend

Digital Student Register on mobile app

Teachers can view student details and attendance status on mobile for the allotted course to himself

Spoof-proof Bio-Attendance Marking

Flexible Provision to mark attendance

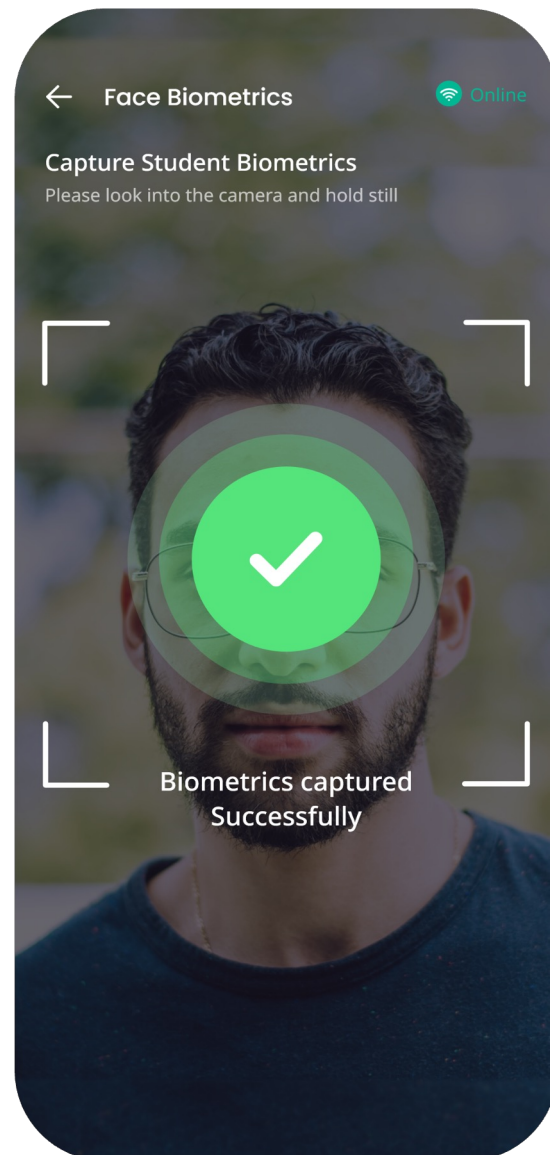
- Group photo capturing
- On any centralized tablet
- On personal mobile in self service mode

Holistic Monitoring provision

Recorded video snippet attached with each class attendance record + Monitoring of live video feed by designated admin on mobile app/ web browser

Online-Offline data syncing

Syncing user/ attendance data captured in offline mode with server, once internet connection is available



Easily Configurable

Catering to all possible usage scenarios

AttendFy caters to diverse rules and scenarios required by educational institutes and training centers across the world making it truly versatile.

The robust and flexible backend configuration based on demands, effectively caters to all requirements of real-life scenarios of any typical educational institutes or training centers.



Admin Configuration

- ✓ Define type of institute both individual institutes or chain of institutes or any umbrella training scheme
- ✓ Easily customizable admin hierarchies and access rights (group admin , institute admin, teacher, staff)
- ✓ One click upload Master data of students/ staff for faster onboarding
- ✓ Course creation, Scheduling & allocation of students and teacher against courses
- ✓ Enable/ Disable Geofencing for attendance marking
- ✓ Customize ID seeding requirements for different groups of users – Non-mandatory or Mandatory with adjustable flexi period for marking attendance within that period without complete ID seeding
- ✓ Configuring modes of capturing student's attendance according to institution rules
- ✓ Configure live feed of different IP camera installed in the premises and customized access rights for viewing.

Benefits of Biocube AttendFy



No Attendance Spoofing

Capture genuine students'/ staffs' attendance in most efficient fashion, without spoofing.



Zero Identity Fraud

Eliminating any risk of false ID at onboarding or duplication - Zero misuse of student benefits.



No Internet dependency

Runs seamlessly in all possible situations, with or without internet connection.



Error-proof & Faster

Eliminate manual errors and time-consuming processes.



Enhanced Convenience

Flexible attendance marking methods on multiple types of devices provides ease of use.



Zero upfront cost

No expenditure on costly specialized devices – pay as you go solution.

About Us

Biocube Technologies Inc. is redefining the space of biometric identity management, with the world's first & only multi-factor & multimodal biometric platform. Biocube's artificial intelligence and data analytics backed identity platform runs on multiple types of devices such as, mobile, tablet, laptop, desktop with webcam, IP camera, and does not need any specialized device. This makes the implementation of this technology completely capex-light.

Since its inception in 2019, the company has developed multiple products focused on different industry requirements – starting from visa, immigration & border security, banking KYC, HR management, visitor management, healthcare and many more, both for businesses and government bodies.

Biocube has offices in India, the US, and the UK and is expanding its global footprint. It is a continuous endeavor of Biocube to ensure security & convenience of users and to make the identity world safer & smarter.



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Biocube

Redefining Identity

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