*Offering **trusted, reliable,** and **affordable biometric solutions** that are **safe, easy to deploy,** and **upgradeable** with minimal cost*

Building **I**mpactful **O**pportunities for **Q**uality, **U**niversal, **B**iometric **E**mpowerment

*Creating solutions that **impact** lives at the **grassroots** level*

BioCensus
Unified Digital Census Platform

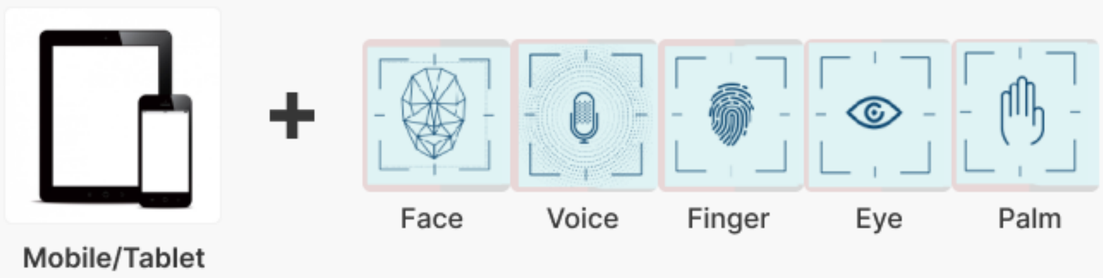
World's First, US Patented, **Web 3.0 enablement ready, AI Powered**

Multi-factor, Multimodal, Decentralized Biometric-Identity management Platform with **Live Data Analytics**

Mr. Subodh Narayan Agrawal
Founder

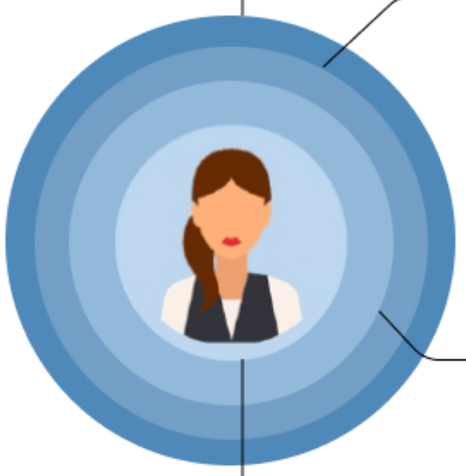
After experiencing sophisticated digital fraud first-hand, Mr. Subodh Narayan Agrawal founded BioQube in 2018, making it his mission to combat identity fraud globally through cutting-edge biometric solutions.

Feature	Problems	Solution by Bioqube	Our Competitive Edge
Biometric Modalities	Single – Factor : Face only or finger (using device)	**Multi Factor Authentication** (Face, finger, Voice, eyes & Palm)	Face : **1: N, 1:1** Match @ 26 ms in a 20 Million Records in cloud
Hardware Requirements	**Fragmented hardwaresolutions: Specialised & Costly hardware,** can't communicate instantaneously with global Databases	**Mobile fist technology.** Mobile Tablet/ IP Camera - Based, No additional Hardware needed WEB 3 Enabled	**No Spares/inventory** required Leverage Mobile **Technology advancement**
Cost and Accessibility	Expensive, Urban Centric, slow deployment	Affordable, grassroots-focused, leverages Mobiles/ tablets innovation	Leverage **existing Infra (IP camera), individual's mobile**
Security measures	**Security vulnerability** Basic encryption, no decentralised data OTP & Password dependent to complete end-to –end process	**Decentralized Data security** with AES 256 Encryption, data stored in customer's Cloud	**Patented** Technology - Distributed architecture for Multi-factor authentication, Local AI deployment –Online & Offline
Scalability	Limited scope, Expensive, Time consuming and difficult to upgrade/ replace	**Empowering users:** Highly Scalable across Diverse environment	Quick deployment **via app,** AI model works both **Offline and Online,Deduplication** check – on Device & in cloud



Core Technology

Your Biometric is your Identity, Web 3 Enabled
A Patented decentralized data architecture which reduces risk of hacking



Multifactor Biometric Layer

Modular - integrable as per biz need
Random biometric challenge
2 or more factor auth assure 100% security

ID validation & B/G Check Layer

ID / Passport verification
Verified from Source or Document AI
Bank statement analysis
AML/ PEP Financial due diligence

Cognitive Intelligence Layer

Facial Gesture analysis
Demographic estimation
Body Posture detection
Object recognition

Real-time Data Analytics Layer

Video Feed analysis
Activity Monitoring
Big Data processing, Visualization
Customizable as per business need

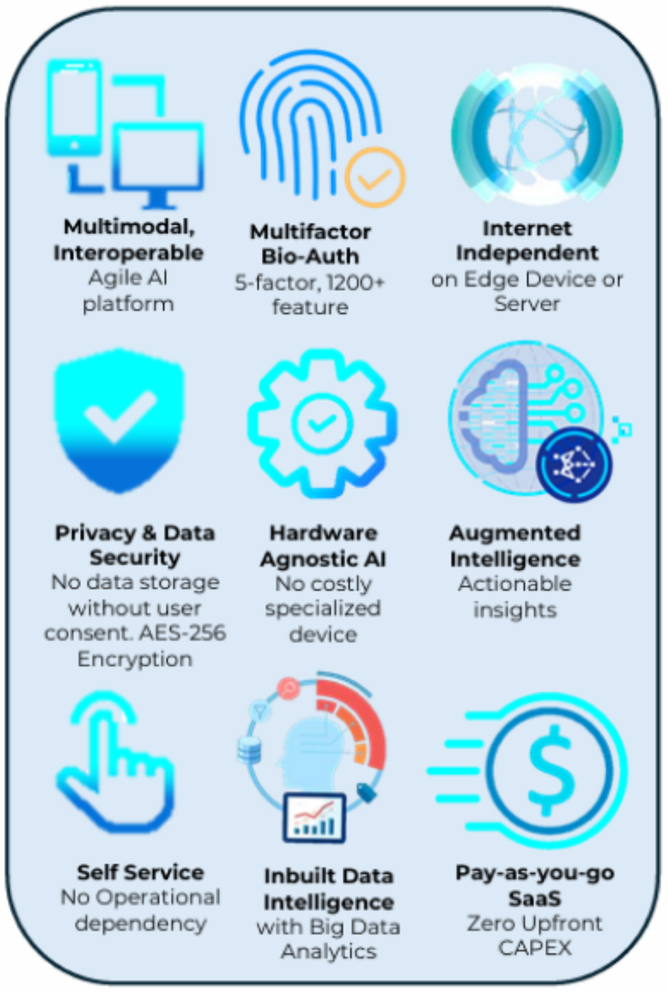
US Patent

Localized Biometric Authentication System -embeds AI engine on user device

+ 3 More applied

Solution Architecture

Deployable both **Offline & Online**



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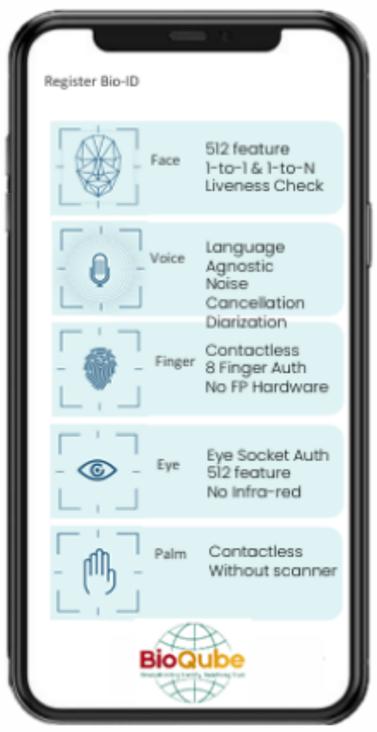


+

No Specialised Hardware

Deployable using any mobile/tablet

+

Interpretable with legacy system

&

Military grade data protection

AES 256+decentralized data structure

+

Geo-Fenced

- **Contact Less**
- **No Specialized Hardware**

BioCensus

Digital solution for population Census that leverages biometric technology for accurate, secure, and inclusive data collection.

It streamlines the census process through mobile-based data capture, document verification, and real-time syncing to ensure reliable national records.

Population Census Opportunity

Over the past few decades, technology has revolutionized the way census data is collected. By using digital methods, it has become easier and more efficient for organizations to collect, analyze, and interpret census information.

69%

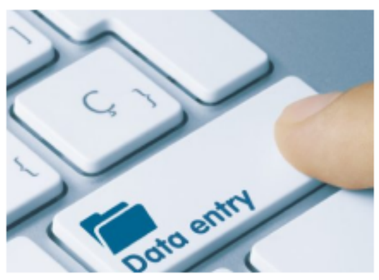
Of global population using unique mobile phone subscription

62%

Of individuals using internet globally

To detect and deter fraudulent activities such as false registrations, double-counting, or identity theft during population census

Driving Factors:



Biometrics ensure accurate counting and reduce manual entry errors.

Helps include marginalized or remote populations in the census.

Biometric data can serve as long-term personal identification.

Mobile Application and Data Collection Process

Compatible with tablets and smartphones

The app works on tablets and smartphones, enhancing flexibility for data collection agents and enabling deployment in areas with limited infrastructure

Offline data capture with Online sync

Functions without constant internet, storing data locally and syncing with central servers when connectivity is available

User-friendly interface for enumerators

Intuitive design minimizes training needs and reduces data entry errors, featuring step-by-step guides, input validation, and clear visual cues

Data Collection Process

Agent Authentication → Biometric Capture → Personal Info Entry → Document Verification → Geolocation Recording → Family Mapping (optional) → Data Encryption & Transmission

Benefits

Enhanced National Security

- Improved border control
- Better law enforcement

Efficient Governance

- Streamlined service delivery
- Reduced fraud

Economic Growth

- Increased financial inclusion
- Digital transactions

Global Positioning

- Nation as a leader
- Foreign investment and partnerships

Social Development

- Targeted social welfare
- Efficient program delivery

Cost Effective and Faster

- Cost-effective solution
- Enhanced data collection efficiency

System Features and Capabilities

Biometric Data Capture:

Captures facial, fingerprint, and voice data to ensure accurate and secure identity verification.

Personal Information:

Stores key personal details like name, gender, DOB, and location, customizable to specific needs.

Geo-location Tagging:

Records precise registration locations to aid in verification, planning, and demographic analysis.

Document Verification:

Scans and verifies official documents using OCR for accurate identification and validation.

Family Tree Mapping:

Links family relationships in the system to support welfare, inheritance, and emergency responses.

Secure Data Storage:

Protects user data with strong encryption and scalable architecture compliant with local laws.

Aligned with 9 UN SDG goals

NIST HIPAA COMPLIANT GDPR ISO 9001:2015 AICPA SOC

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Ex-Global Head Tech Ops, Citibank

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