

PRESENTING

THE FUTURE OF FORENSICS

# GENAID

“SECURING IDENTITIES, PROTECTING FUTURE WITH DNA”

# OVERVIEW

A System That Collects, Stores, And Analysis  
DNA Profiles With Advance Matching  
Algorithms. It Ensures Privacy Protection  
While Aiding Criminal Investigations.







# OUR VISION

To Develop A Secure DNA Database To  
Help Law Enforcement Quickly Identify  
Individuals Involved In Crime. This Improves  
Public Safety And Enhances Investigation  
Efficiency.



# **OUR MISSION**

**Collect DNA Ethically And Securely**

**Develop A Secure, Scalable Database**

**Implement Efficient DNA Matching Algorithms**

**Address Privacy And Legal Concerns**





# **COMPETITIVE ANALYSIS**

## **GENAID**

- 1. Inclusive of the general population for broader coverage.**
- 2. Employs advanced encryption to ensure privacy protection.**
- 3. Scalable design supports billions of DNA profiles.**
- 4. Enables seamless cross-border and international crime-solving.**

## **CODIS**

- 1. Limited to offenders and crime scene evidence.**
- 2. Narrow scope, excluding the general population.**
- 3. Lacks robust privacy safeguards for individuals.**
- 4. Restricted to national databases, hindering global investigations.**



# **DNA INSIGHT INFRASTRUCTURE**

*Advanced system for secure DNA  
management.....*





# **DNA COLLECTION**

**Buccal Swab**

**Blood Samples**

**Hair & Tissue Samples**

**Urine Samples**

# **DNA EXTRACTION**

Utilizing  
Advanced  
Laboratory  
Techniques To  
Isolate DNA  
From The  
Collected  
Samples

# **DNA SEQUENCING**

Analyzing  
The  
Genetic  
Material To  
Generate  
Unique  
DNA  
Profiles

# **DIGITAL CONVERSION**

Storing  
The DNA  
Data In A  
Digital  
Format  
For Easy  
Access &  
Analysis





# **DNA STORAGE DATABASE**

*Development of a secure, scalable  
database.....*





# **DNA DATABASE**

**High Capacity For Billions Of Profiles**

**Advanced Encryption And Security**

**Scalability For Future Growth**





# **DNA MATCHING SYSTEM**

*Implementation of DNA matching  
algorithms.....*



# **MATCHING SYSTEM**

**Machine Learning & Real Time  
Processing For Fast Identification**

**Accurate Matching Using  
Statistical Methods**





# **PRIVACY & ETHICAL CONSIDERATIONS**

*Address privacy and legal concerns.....*



# **PRIVACY**

**Privacy Protection & limited  
Access  
Legal Compliance & Public  
Transparency**





# **FINANCIAL BLUEPRINT FOR FORENSIC INNOVATION**

*Strategic funding, revenue, and growth  
optimization.....*

# FUNDING STRATEGY

- **Key Sources:**
  - Government grants.
  - Private investments.
  - Partnerships with law enforcement agencies.
- **Purpose:**
  - Ensure steady financial backing for development and deployment.





# REVENUE MODEL

- **Income Streams:**
  - **Licensing DNA matching technology.**
  - **Subscription fees for system access.**
  - **Partnerships with global forensic organizations.**
- **Purpose:**
  - **To establish sustainable income streams for long-term operations.**



# **COST-BENEFIT ANALYSIS**

- **Benefits:**
  - Enhanced crime-solving efficiency.
  - Improved public safety.
  - Cost reduction in investigations.
- **Purpose:**
  - To demonstrate the system's financial viability and societal benefits.





# FORENSIC OUTREACH & ENGAGEMENT

*Promoting trust, awareness, and stakeholder  
involvement.....*



# **PUBLIC COMMUNICATION STRATEGY**

**Builds public trust through transparency,  
educating on benefits, and addressing  
privacy concerns.**



# **MARKETING CAMPAIGNS**

Promoting  
The  
System's  
Impact On  
Public  
Safety And  
Ethical  
Standards  
In  
Forensics.

# **BRAND POSITIONING**

Establishing  
The System  
As A Global,  
Ethical  
Leader In  
Forensic  
DNA  
Technology.

# **COMMUNITY ENGAGEMENT**

Engaging  
Stakeholders  
To Foster  
Awareness,  
Trust, And  
Support For  
The DNA  
System.



# **TALENT ACQUISITION & WORKFORCE INNOVATION**

*Building skilled teams and fostering  
innovation.....*



# RECRUITMENT FRAMEWORK

- **Purpose:**
  - Attract top talent in key fields.
- **Focus:**
  - Build a skilled team for DNA collection, database management, and algorithm development.
- **Approach:**
  - Partner with institutions and offer growth opportunities.





# WORKFORCE DEVELOPMENT

- **Purpose:**
  - Foster innovation and collaboration.
- **Focus:**
  - Promote teamwork and continuous learning.
- **Initiatives:**
  - Workshops, brainstorming sessions, and rewards for contributions.





# WHY IT MATTERS?

**Revolutionizes Crime Solving  
Strengthens Public Safety**

**Ethical And Scalable For  
The Future Needs**







**THANK**

FOR YOUR ATTENTION  
**YOU!**