

# **Project Brief: FaceGuard - Employee Facial Recognition and Access Control System**

## **1. Introduction**

ACME Inc. is a leading manufacturing company dedicated to ensuring the safety and productivity of its employees while maintaining stringent security measures. In pursuit of this commitment, ACME Inc. is initiating the "FaceGuard" project, which entails the development and deployment of a Facial Recognition System (FRS) to monitor and manage employee access within its factory premises. This project brief outlines the objectives, scope, and key requirements for the FaceGuard project.

## **2. Project Objectives**

The primary objectives of implementing the FaceGuard Facial Recognition System at ACME Inc. are as follows:

- Improve security by ensuring that only authorized personnel gain access to sensitive areas within the factory.
- Streamline attendance tracking and employee time management.
- Enhance safety by identifying employees in emergency situations.
- Comply with data privacy regulations and maintain the security of captured facial data.

## **3. Scope**

The FaceGuard project will encompass the following key components:

- Development of a robust and accurate Facial Recognition System.
- Integration of the FRS with existing access control and time management systems.
- Deployment of FRS at various access points within the factory, including entrances and restricted areas.
- Implementation of secure storage and management of facial data.
- Employee training on the proper use of the FRS and data privacy policies.

## **4. Key Features**

The Facial Recognition System (FaceGuard) should possess the following features:

- High accuracy in facial recognition to minimize false positives and negatives.
- Real-time monitoring and alerting for unauthorized access attempts.
- Integration with existing employee databases for seamless tracking of attendance and access rights.
- Scalability to accommodate the growing number of employees.
- Compatibility with various lighting conditions and employee appearances (e.g., hats, glasses, etc.).
- Compliance with applicable data privacy laws and regulations, including GDPR, CCPA, etc.
- Secure storage and encryption of facial data to protect against data breaches.

## **5. Project Timeline**

The FaceGuard project is expected to be completed within a timeline of 12 months, with milestones as follows:

- Requirements Gathering and Analysis (2 months)
- System Design and Development (4 months)
- Integration with Existing Systems (2 months)
- Testing and Quality Assurance (2 months)
- Deployment at Factory Locations (1 month)
- Employee Training (1 month)
- Ongoing Maintenance and Support

## **6. Budget**

The project budget for FaceGuard is estimated at \$1,500,000, covering costs for software development, hardware acquisition, deployment, employee training, and ongoing maintenance.

## **7. Risks and Mitigations**

Potential risks associated with the FaceGuard project include technical challenges, data privacy concerns, and employee resistance. To mitigate these risks, a comprehensive risk management plan will be developed and implemented.

## **8. Contact Information**

For project inquiries or proposals, please contact:

**Name:** John Smith **Email:** [john.smith@acmeinc.com](mailto:john.smith@acmeinc.com)

ACME Inc. looks forward to working with the selected team or vendor to achieve the successful implementation of FaceGuard and welcomes proposals from qualified professionals or companies.