Customer Identification Report

1. Customer Name & Business Type
Customer Name: Uzm. Dr. Atilla Ayral
Company Name: A2InnoWave Yazılım, Bilişim ve Danışmanlık A.Ş.
Industry: Technology & Software Solutions

2. Problem Description
A2InnoWave's workplace currently relies on RFID card-based access control, where employees scan their cards to enter the premises. However, this system has multiple security issues:

Employees often forget their cards, leading to delays and manual interventions.
Some employees borrow each other's cards, creating security vulnerabilities.
A more efficient and secure method is needed to prevent unauthorized access and streamline entry processes.
The company is looking for a face recognition-based access control system to replace or complement the RFID card system, allowing employees to enter the workplace securely without needing physical access cards.

3. Why This Customer Was Chosen?
Small-to-Medium Business – A2InnoWave is a growing company, making it a perfect candidate for testing new security solutions that can later be expanded.
Clear, Well-Defined Problem – The RFID card issue is a real-world security concern that requires a technological improvement.
Feasible Scope (20-30 Hours) – The project is small enough to develop within the required timeframe, making it a manageable and effective software solution.
Customer Availability – Dr. Atilla Ayral and A2InnoWave are open to providing feedback, ensuring an interactive and realistic development process.

4. Estimated Development Time

Task	Estimated Hours
Face Detection & Recognition Setup	8 hours
Employee Database & Registration System	6 hours
Web-Based Admin Panel (Add/Remove Employees)	4 hours
Access Logging System (Tracking Entries)	4 hours
Testing & Security Adjustments	4 hours
Final Integration & Documentation	20-30 hours
Total Estimated Development Time	

5. Proof of Customer Agreement

G **gokhan@a2innowave.com**   16:53
Request for Face Recognition-Based Access Control System De...
Kime: ataberk.akcin@edu.rtu.lv   Ayrıntılar

Dear Ataberk,

As A2InnoWave Software, IT and Consulting Inc. , We are seeking a Face Recognition-Based Access Control System to address specific challenges in our workplace security and employee entry management.

Current Challenges & Needs
Our company currently uses an RFID card-based access control system for employee entry. However, we are facing several issues that impact both security and efficiency:

Forgotten Cards: Employees frequently forget their access cards, leading to delays and manual interventions at the entry gate.
Unauthorized Access: Some employees borrow others' cards, creating a security risk as unauthorized individuals may gain entry.
Administrative Complexity: Managing lost or replaced RFID cards requires additional administrative effort, increasing operational inefficiency.
To resolve these issues, we need a Face Recognition-Based Access Control System that will:
✔ Automatically recognize employees at the entry gate using a camera.
✔ Grant or deny access based on a stored database of registered employees.
✔ Log all access attempts to enhance security monitoring.
✔ Provide an admin panel where employee records can be managed.

Our Expectations
We believe that a real-time facial recognition system will significantly improve security, eliminate the dependency on physical cards, and provide a more efficient and seamless entry process. Our primary requirements for this system include:

Accuracy & Speed: The system should recognize employees within 2 seconds to avoid long wait times.
Security & Reliability: All access logs should be stored securely for monitoring and auditing.
Admin Control Panel: The system should include a web-based interface where admins can register employees, manage access logs, and review denied entries.
Scalability: While the initial system will be for a single entry point, it should be expandable to multiple gates in the future.

Sincerely,

A2InnoWave Inc.