

## Seeking Experienced Developer for Hikvision SDK Integration Project

We are excited to announce a unique opportunity for a skilled developer with expertise in Hikvision SDK integration. Our company, we are currently seeking a qualified professional to join this project that involves seamless staff management and time attendance integration using Hikvision biometric devices.

### **Project Overview:**

We are looking for a proficient developer to develop 2 functions for this project.

### **Part 1: Export Staff Details to Biometric Device and Device-to-Device Export:**

- Develop and implement a robust C# application utilizing the Hikvision SDK to export csv file has staff details, including names, IDs, and relevant data, into a designated biometric device...e.g. a HR Device
- Create a seamless mechanism to export staff details from HR Device to other devices within our network.

### **Part 2: Import Time and Attendance (TA) Data from Multiple Devices:**

- Design and execute a comprehensive solution for gathering time and attendance data from a range of Hikvision biometric devices across various locations within the same network, with optional parameters such as IP Address, Employee ID, Date Range (From – To)
- Establish secure and efficient data synchronization methods to centralize time and attendance information.
- The TA must go into an SQL database table

### **Qualifications and Experience:**

The ideal candidate for this role should possess:

- Proven experience in C# development, with a strong track record of Hikvision SDK integration projects.
- A deep understanding of biometric device management, encompassing staff data export and inter-device communication.
- Proficiency in designing scalable solutions that adhere to best practices.
- Familiarity with data synchronization techniques and strategies to ensure data accuracy and integrity.
- Exceptional problem-solving abilities and a proactive approach to overcoming challenges.

### **Implementation of the project:**

The first thing we'll do for the project is have the developer connect to a laptop using Team Viewer. The Company will provide this laptop. Then, the developer will put the project onto the laptop and run it. We'll give the developer the IP addresses of the devices and the login details. This way, the developer's program can connect to the devices and get or send the information we need.

Thank you for considering this opportunity to collaborate with us.

### Part 1:

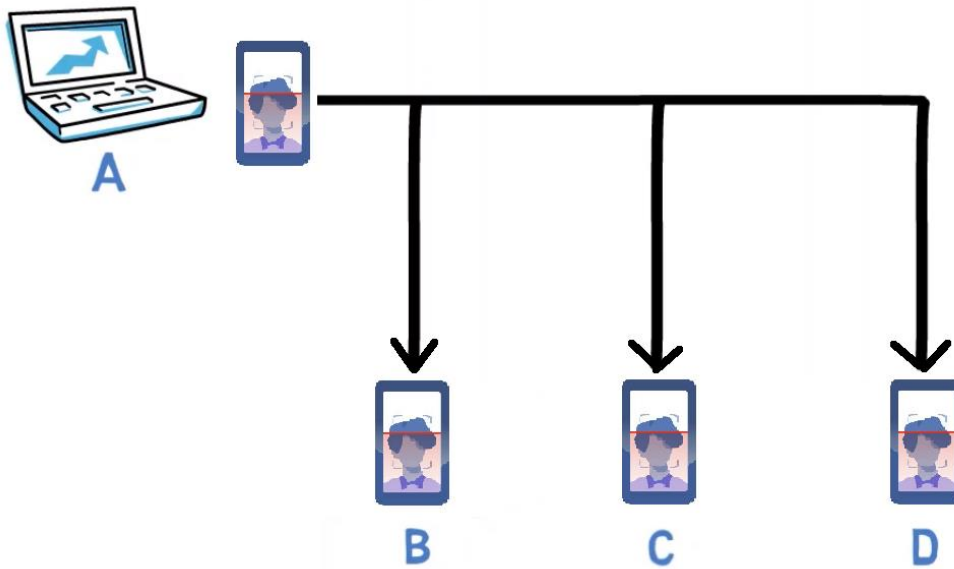
Manual step: Using your program HR staff enters relevant details for staff then uploads csv file to a **HR device via IP Address**.



Manual step: To register staff photo on **HR device**, staff searches by Employee ID then takes photo.



Using your program, HR then updates all the other devices with the new staff information.



### Note:

Upload Fields: Employee ID, Firstname, Lastname, Location, Card No, Fingerprint, Face Recognition

Validation: If Employee ID exists in device(s) overwrite existing record with the records uploaded by HR

## Part 2:

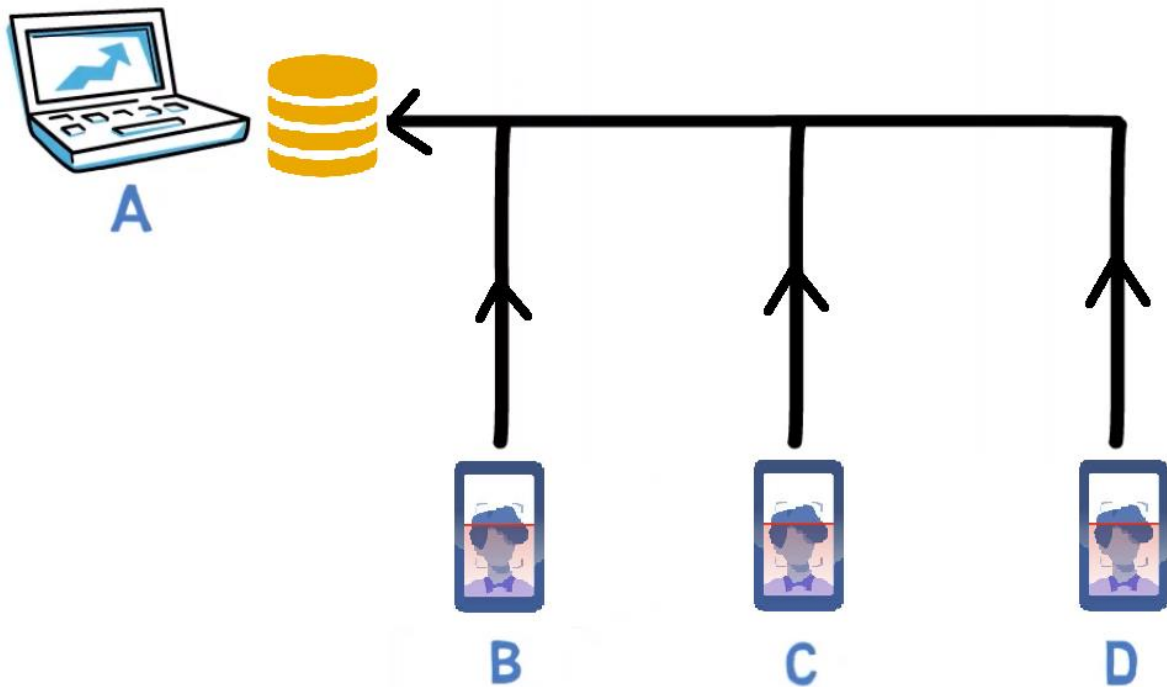
Using Your program HR then extracts TA from all the devices using any of the options

**Date FROM:** *date picker*

**Date TO:** *date picker*

**IP Address:** *type IP or \* for all.*

**Employee:** *ID or \* for all.*



## Note:

Download Fields: Employee ID, Sign In, Sign Out, Location

**Validation:** Date FROM cannot be more than Date TO