

# Case Study on Islamic Development Bank Integration of Bio-Plugin™ for Biometric Attendance on Scholarship Programs

## Problem Statement

Islamic Development Bank (IDB-BISEW) was unable to accurately monitor trainee time and attendance and prevent buddy punching from their scholarship program in different locations.

## Client Profile

Islamic Development Bank-Bangladesh Islamic Solidarity Educational Wakf (IDB-BISEW) was established following an agreement between the Islamic Development Bank, Jeddah, Saudi Arabia, and the Government of Bangladesh.



## IT Scholarship Project

IDB-BISEW launched one of the most unique projects in the world, titled 'Financial Assistance to Underprivileged Muslim Youth for Developing IT Skill' also known as the IDB-BISEW IT Scholarship Project. The aim is not only to develop muslim youth skills but also enable them to secure employment in local and international markets.

## Challenges

There were many reasons behind the decision to integrate a web based biometric time and attendance identification system with the IDB scholarship program. Due to the fact that IDB-BISEW operates their scholarship programs in Bangladesh from 30 different locations within Dhaka, they needed to centrally and accurately monitor trainee attendance. In addition, buddy punching was another major issue because trainees were able to punch in other applicants when they weren't present exploiting the loop holes of an old-fashioned ID based time and attendance systems.

## Solution

Islamic Development Bank - BISEW selected M2SYS Bio-Plugin™ (a biometric SDK - Software Development Kit) to integrate a web based fingerprint biometric time and attendance system into their existing software for accurate time attendance of their scholarship program applicants. They integrated this solution with the M2-S™ fingerprint reader for 5,000 trainees in 30 different locations within Bangladesh.



**M2SYS Technology**

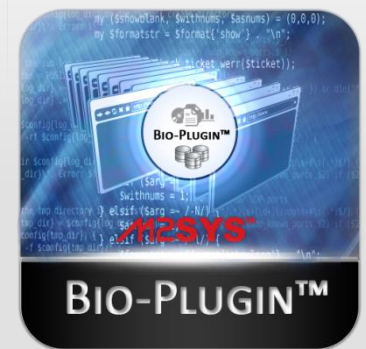
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**Bio-Plugin™** is a revolutionary enterprise-ready biometric middleware solution that allows developers to rapidly integrate a biometric identification system without the development work required. It supports major biometrics modalities such as fingerprint, finger vein, palm vein iris, and facial recognitions.



## Benefits

By utilizing **Bio-Plugin™** from M2SYS Technology, the Islamic Development Bank – BISEW has been able to ensure accurate biometric time and attendance of scholarship program trainees to make the program more effective. Due to the fact that biometrics are unique for every individual, this technology can accurately and automatically identify anyone within seconds which brings efficiency and accuracy for time and attendance. Deploying a biometric fingerprint time and attendance system into the scholarship program of IDB can prevent buddy punching of applicants which was a common problem in ID based systems. In addition, it helps them to reduce absenteeism problems in the program. Here are some major benefits that this organization secured by implementing the M2SYS Bio-Plugin™ system:

- ☐ Accurate time and attendance
- ☐ Elimination of buddy punching
- ☐ Time theft prevention
- ☐ Secure identification
- ☐ Remote monitoring

## About M2SYS

M2SYS works closely with its clients, enabling them to capitalize on the benefits of biometrics for security and accelerating their return on investment (ROI). This case study on integrating **Bio-Plugin™** biometric SDK (software development kit) solution with IDB-BISEW's scholarship program time and attendance system shows how our solution can be integrated easily with different systems that can ensure accurate and secure identification in different scenarios.



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