



# **ACCESS MONITORING & CONTROL SYSTEM FOR SRI LANKA AIR FORCE**

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## Abstract

An increasing number of democratically elected governments including Sri Lanka are facing challenge of terrorism. The United Nations has identified terrorism as a threat to good governance. According to the prevailing situation of our country, security has become the most concerned for everybody since the high involvement of present humanity rescue mission.

Sri Lanka Air Force (SLAF) has to face severe threats from LTTE carders. However, there is no proper Access Control and Monitoring System for authorization process at main guard rooms of SLAF. Because of this security weakness, enemy may enter in to any SLAF camp easily.

New Access Monitoring and Control System was implemented with the help of available resources like personal service identification card which has been encoded as a secret data, using simple magnetic card reader with keyboard emulation mode and thin client terminal for data reader from service identity card and display details with photograph of serviceman. Further voice alert have been improved to draw attention of the policeman when unauthorized movements take place through the guard room.

In the implementation process, SQL Server, .Net Environment with windows 2003 server, web and client server technology have been used with more security features. The Access Monitoring and Control System have been implemented as a pilot project at Sri Lanka Air Force Head Quarters. The system evaluation has found that this has improved the mechanism of identification of authorized and unauthorized people efficiency, reducing the queue and authentication time. It is expected to improve the security of serviceman and to get an online parade sheet preparation facility through improved management decision process with concurrent attendant details; and in addition to that a new weapon checking process has also been confirmed from civil society security.



Finally, still there is no computer-based authentication process is used in any forces in Sri Lanka; this is the first experience for serviceman. This project is successfully achieved for all functional requirements as proposed and very low cost solution to improve the security level of any institution. I am satisfied as a serviceman hence Access Monitoring and Control System have been fulfilled the national requirement of Sri Lanka.