

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**Belgaum-590014**



**PROJECT REPORT ON**

**“Video Surveillance for ATMs”  
(KSCST SPONSORED PROJECT)**

**Submitted in the partial fulfillment of the requirements for the Award of degree of**

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**In**

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## **ABSTRACT**

ATM security has turned into an industry in and of itself. ATM transactions are quick and convenient, but the machines and the areas surrounding them can be susceptible to criminal activity if not properly protected. The use of video surveillance, especially new IP-based security cameras can help to ensure that ATM transactions are safe.

The Existing system follows a very primitive methodology. Here with our application, using web cam to every ATM system it's easy to track surrounding activities. It not only records video which acts as evidence, also those recorded video would be effectively recorded by minimizing the recorded file size by discarding video frames where there is no human activities. This helps organization especially banks to save server space and expects efficient work in tracking ATM activities. Along with this the proposed system has been designed with an option for administrator to view the videos on the server side by transferring the videos from client to server. Based on the IP address and date & time the administrator can view the video files.

With such advent of modern technology the signals can even be transferred through network. That means bank can keep an eye on their ATMs no matter where they are located. Monitoring ATMs remotely can be performed by using a PC, a cost effective USB camera (Webcam), and a network connection. All of them can turn the PC and Webcam (or other video and camera devices) into a powerful ATM tracking system. Proposed System is designed so that there will be no room for any modification or fake authentication improving the security. High accuracy can be obtained using this application.