ABSTRACT

This project focuses on the use of unique human characteristics to recognize the users and provide a secured access to web services that are restricted, using a mobile phone with Internet connection. The mobile phone is used as a biometric capturing device, which is later used for recognition too.

In this growing era, mobile devices have both the network access and computing capacity to provide users with a diverse range of services. So, with increasing functionality and access to personal and sensitive information, there is an essential need for enhancing/advancing the authentication mechanisms. Hence, this project proposes to present mobile phone application architecture to capture and send the biometric to the web server based on the use of embedded web browsers.

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IMEI	INTERNATIONAL MOBILE STATION EQUIPMENT IDENTITY
JVM	JAVA VIRTUAL MACHINE
API	APPLICATION PROGRAMMING INTERFACE
JSP	JAVA SERVER PAGES
XML	EXTENSIBLE MARKUP LANGUAGE
HTTP	HYPERTEXT TRANSFER PROTOCOL
OS	OPERATING SYSTEM
SDK	SOFTWARE DEVELOPMENT KIT
SGL	SCALABLE GRAPH LIBRARY
DFD	DATA FLOW DIAGRAM
UML	UNIFIED MODELING LANGUAGE
PSNR	PEAK SIGNAL-TO-NOISE RATIO
MSE	MEAN SQUARED ERROR
SSIM	STRUCTURAL SIMILARITY INDEX METHOD