**SMART ATTENDANCE**

A PROJECT REPORT

*Submitted in partial fulfilment for the award of the degree of*

**M.S**

**In**

**SOFTWARE ENGINEERING**

*By*

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**Under the Guidance of**

**Prof.Nirmala M.**

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**VIT**

U N I V E R S I T Y

(Estd. u/s 3 of UGC Act 1956)

**SCHOOL OF INFORMATION TECHNOLOGY**

NOVEMBER 2013

**DECLARATION BY THE CANDIDATE**

I hereby declare that the project report entitled “**SMART ATTENDANCE”** submitted by me to Vellore Institute of Technology University; Vellore in partial fulfilment of the requirement for the award of the degree of **MS** in **SOFTWARE ENGINEERING** is a record of bonafide project work carried out by me under the guidance of **Prof.NIRMALA M.** I further declare that the work reported in this project has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.

Place: Vellore Signature of the Candidates

Date: A.Sai Praneeth

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**SCHOOL OF INFORMATION TECHNOLOGY**

**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled “**SMART ATTENDANCE”** submitted by **A.SAI PRANEETH (10MSE0066) & G.DINESH CHOWDARY (10MSE0018)** to Vellore Institute of Technology University, Vellore, in partial fulfilment of the requirement for the award of the degree of **MS** in **SOFTWARE ENGINEERING** is a record of bonafide work carried out by him/her under my guidance. The project fulfils the requirements as per the regulations of this Institute and in my opinion meets the necessary standards for submission. The contents of this report have not been submitted and will not be submitted either in part or in full, for the award of any other degree or diploma and the same is certified.

**External Guide Internal Project Guide** Prof.Nirmala M SUPERVISOR

Assistant Professor (Senior)

SITE

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Date: A.Sai Praneeth

**SYNOPSIS**

We have seen over the years that the process of manual attendance has been carried out across almost all educational institutions. Using the records professor stores the student's attendance in each day in the attendance register and calculates the attendance percentage manually. In this system professor must consider each student separately and keep the list safely. The process is not only time consuming but also sometimes inefficient resulting in the false marking of attendance. Even though in some colleges there are online attendance uploading system where professor takes attendance from his or her laptops through browser it has some drawback like carrying laptops , wi-fi connection etc..

Today, we need not maintain pen and paper based attendance registers. Following this thought, we have proposed an attendance monitoring system based on the concept of web services which is implemented as an Android mobile application that communicates with the database residing on a remote server. The mobile application would require connecting to the database using either General Packet Radio Service (GPRS) or Wi-Fi technology.

The main aim of this project is to develop an android application which can be used to take attendance using an android mobile phone by the professor. Professor can use this application to record the attendance, modify and upload it directly using GPRS or WIFI. This system has feature of sending SMS to intimate the parents if the students has less than 75% attendance.

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