

CONCURRENCY SELF IDENTIFICATION APPLYING QR CODE TO RECORD CLASS ATTENDANCE

Submitted in partial fulfillment of the requirements
for the award of
Bachelor of Engineering degree in Computer Science and Engineering
by

ANURAG KUMAR (37110044)



**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING SCHOOL OF COMPUTING**

SATHYABAMA

**INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade "A" by NAAC**

**JEPPIAARNAGAR, RAJIV GANDHI SALAICHENNAI-
600119**

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JEPPIAARNAGAR, RAJIV GANDHI SALAI, CHENNAI-600119

www.sathyabama.ac.in



DEPARTMENT OF COMPUTER SCIENCE AND

ENGINEERING BONAFIDE CERTIFICATE

This is to certify that this Project is the bonafide work of **ANURAG KUMAR (37110044)** who carried out the project entitled "**CONCURRENCY SELF IDENTIFICATION APPLYING QR CODE TO RECORD CLASS ATTENDANCE**" under our supervision from **October 2020 to March 2021**.

Internal Guide

Mrs. Refonna., ME.,

Head of the department

Submitted for Vivavoce Examination held on

Internal Examiner

External Examiner

DECLARATION

IANURAG KUMAR (37110044) hereby declare that the Project Report Entitled “**CONCURRENCY SELF IDENTIFICATION APPLYING QRCODE TO RECORD CLASS ATTENDANCE**” done by us under the guidance of **Mrs. Refonna, ME.**, at Sathyabama Institute of Science and Technology is submitted in fulfillment of the requirements for the award of **Bachelor of Engineering Degree in Computer Science and Engineering.**

DATE:

PLACE:

1.

2.

SIGNATURE OF THE CANDIDATES

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ABSTRACT

The easiest way for HOD to identify Student Location to handle the harassment by the strangers in road side is to through her mobile on the ground. This Project will detect. Smartphone's are programmable and embed various sensors; these phones have the potential to change the way how healthcare is delivered. Fall detection is definitely one of the possibilities. Injuries due to falls are dangerous, especially for elderly people, diminishing the quality of life or even resulting in death. This study presents the implementation of a fall detection prototype for the Android-based platform. The proposed system has three components:

sensing the accelerometer data from the mobile embedded sensors, learning the relationship between the fall behavior and the collected data, and alerting preconfigured contacts through message while detecting fall. We adopt different fall detection algorithms and conduct various experiments to evaluate performance. The experiment also investigates the impact of different locations where the phone attached. In addition, this study further analyses the trade-off between sensitivity and specificity and discusses the additional power consumption of the devices. In this application a SOS and HOD Number will be saved. When tap SOS button/shake mobile it will send Current Location of the student to HOD. Location will share your longitude and latitude positions. SOS will reach to HOD with student Location. Another Part of our application is to update student attendance with the help of Fingerprint and QR Code Scanner after these verification students are able to move on. Canny edge detection to verify his/her face identification to update his/her attendance.

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LIST OF ABBREVIATION

API	ApplicationProgramInterface
AAPT	AndroidAssistsPackagingTool
APK	AndroidPackage
ART	AndroidRunTime
CMS	CourseManagementSystem
DVM	DalvikVirtualMachine
GND	GroundPin
GPU	GraphicsProcessingUnit
GPS	GlobalPositioningSystem
GPRS	GeneralPacketRadioService
HSI	Hue-Saturation-Intensity
HTC	HighTechComputer
HTML	HyperTextMark-upLanguage
IDE	IntegratedDevelopmentEnvironment
JVM	JavaVirtualMachine
Linux	Lovableintellectnotusingxp
MYSQL	StructuredQueryLanguage
PHP	PersonalHomePage
QR	QuickResponse
RDBMS	RelationalDataBaseManagementSystem
SSL	SecureSocketsLayer
SOS	SaveOurSouls
SDK	SoftwareDevelopmentKit
USB	UniversalSerialBus
URL	UniformResourceLocator
VGAColour	VideoGraphicsArray
SSL	SecureSocketLoyal
Wi-Fi	WirelessFidelity
XML	ExternalMark-upLanguage