

NETRA ANDROID APPLICATION

Abstract

In this paper we have develop an Android application to which is used to track the daily usage of applications on the Users Device, such as Instagram, Whatsapp, Snapchat and other gaming application and sends report to the user’s Guardian if the user crosses the daily hour’s of usage. This will help to determine if the user is addicted to some application or not and the guardian can take appropriate solution for that.

Keywords: Android Application, Activity Monitoring, Councillor, Documents, addictive Management.

I. Introduction

In Daily life anxiety or depression has become a severe topic of discussion on the people with age group 12 - 28. So to detect the people with depression or anxiety we would inform their parents and guardians from activities in the smartphones. Also various types of addictions are now common in day to day life through smart phones such as spending way much time on social media applications such as Facebook, Instagram, Whatsapp. Also applications such as Tik-Tok, some games such as clash of clans where the teens spends lots and lots of time performing activities in this. So in our application not only we would be able to detect such activities that can harm the subject’s addiction but also reporting such suspicious behaviour to their parents/guardians.

II. Problem Statement

In Daily life anxiety or depression has become a severe topic of discussion on the people with age group 12 – 28. So to detect the people with depression or anxiety we would inform their parents and guardians from there activities in the smartphones.

Objectives

1. To prevent the person from becoming addictive.
2. To inform the condition of the person to their respective Guardian.
3. To detect the abnormality from the activity perform by a person in the social media.
4. To reduce the percentage of people from becoming addictive or becoming depressed the Doctor at any appropriate Hospital.

Architecture

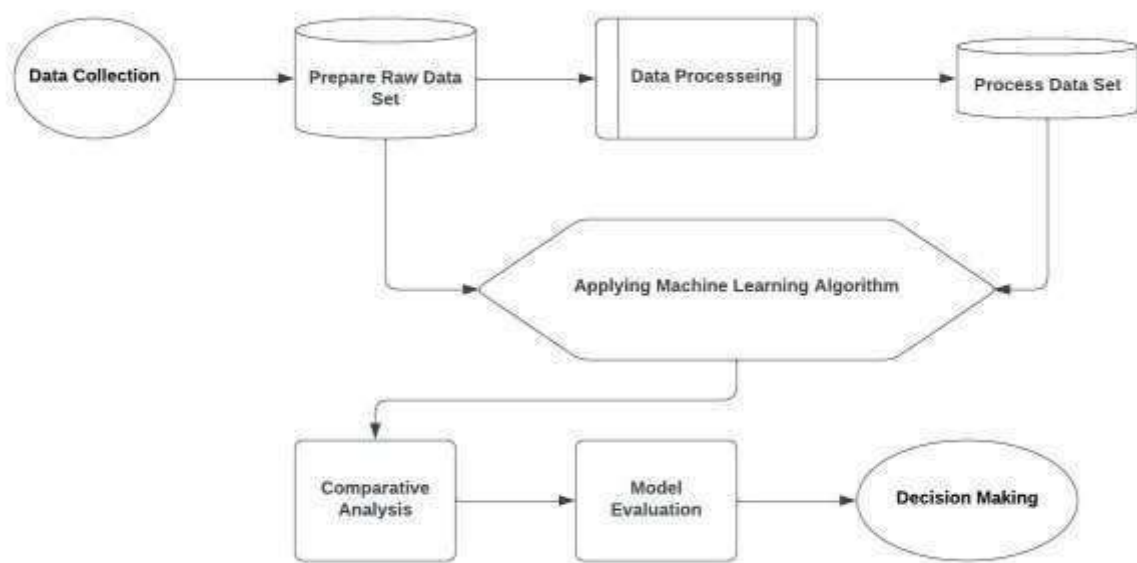


Fig 1: Proposed System Diagram

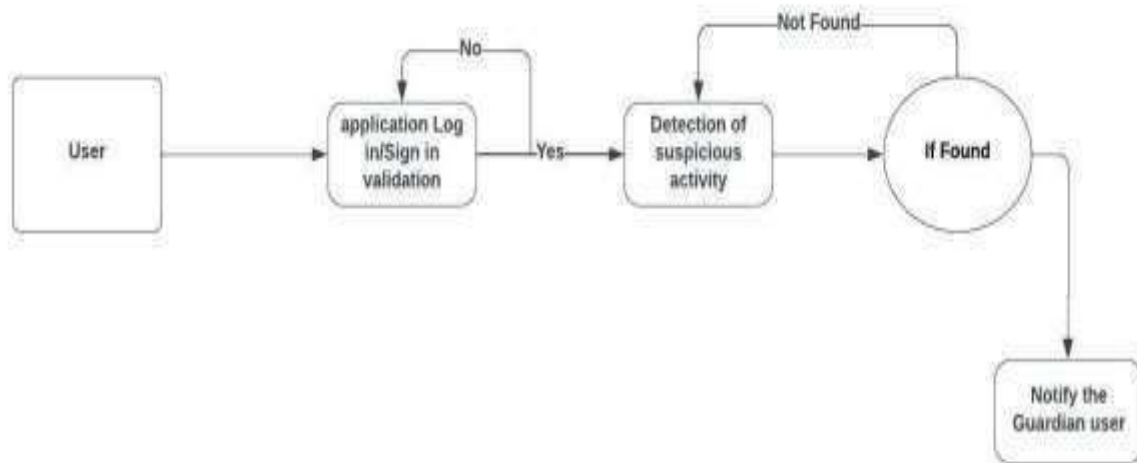


Fig 2: Flow Diagram

IV. RESULT AND DISCUSSION

The detailed workflow of this android application is as follows. The web application is divided into 3 subgroups-

1. Guardian
 - Registration

The First step to register the minor mobile imei with the guardian mobile no. or email associated to the guardian where it can get the monthly report of the monitoring system.
2. Councillor Login

Councillor can view the report of daily activity and try to understand the minors problem to resolve and take care of the therapy. It can also try to avoid the minor to take unwanted steps Or also motivate the minor.
3. Machine learning:

We are also using machine learning to give alert to user (minor) also to try to avoid itself.

Requirement Analysis

Hardware:

1. RAM: 2 GB
2. Storage: 8 GB
3. Mobile – Android 5+ OS

Software:

1. Operating System: Android
2. Android Studio
3. Firebase