DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

# PROJECTPROPOSAL

## 1. Project Title: -

Detecting Fraud Apps Using Sentiment Analysis

## 2. Project Scope: - (Max 500 words)

## Most of us use android and IOS Mobiles these days and also uses the play store or app store capability normally. Both the stores provide great number of application but unluckily few of those applications are fraud. Such applications dose damage to phone and also may be data thefts. Hence, such applications must be marked, so that they will be identifiable for store users. So, we are proposing a web application which will process the information, comments and the review of the application. So, it will be easier to decide which application is fraud or not. Multiple application can be processed at a time with the web application. Also, User cannot always get correct or true reviews about the product on internet. So, rating/comments will be judged by the admin and it would be easy for admin to predict the application as Genuine or Fraud.

* Nowadays, there are so many applications available on internet because of that user cannot always get correct or true reviews about the product on internet.
* In this project, we propose the system by developing web application which help to detect fraud apps using sentiment comments and data mining.
* We can check for user’s sentimental comments on multiple application. The reviews may be fake or genuine. But after comparing reviews of admin as well as user’s, we can get more clear idea.
* Hence, we can get higher probability of getting real reviews. So we are proposing a system to develop a web application that will take reviews from registered users for single product, and analyse them for positive negative rating.
* For every users reviews and comments will be fetched separately and analysed for positive negative rating. Then their rating/comments will be judged by the admin and it would be easy for admin to predict the application as Genuine or Fraud.
* In Review Based Evidences, besides ratings, most of the App stores also allow users to write some textual comments as App reviews.
* Such reviews can reflect the personal perceptions and usage experiences of existing users for particular mobile Apps.

**Modules:**

The system comprises of 2 major modules with their sub-modules as follows:

1. **Admin**
2. **Add New Application**
   1. System allows Admin to add new applications and its details such as Name, Link, Description, Rating, Category, App Image, etc.
3. **Detect Fraud Applications:**
   1. Admin will check the application details and also read the user comments.
   2. Admin will analyse the ratings and comments which will help him/her to decide whether the app is fraud or not.
4. **View Users:**
   1. Can view the list of registered users with their details.
5. **View Feedback:**
   1. Admin can view feedbacks received from the registered users.
6. **User**
   1. **Registration / Login:**
      1. To view the mobile applications, user need to create an account by filling up basic registration form.
      2. After successfully creating an account, user can login into the system using login credentials.
   2. **View Applications:**
      1. After login, user can view various mobile application from various categories.
   3. **View Selected Application Details:**
      1. Can view the selected application’s details, ratings and comments.
      2. Also, can navigate to the respective application download link.
   4. **Comment on Application:**
      1. After using the application, user can give their feedback by commenting his/her views on that application.
   5. **Write Feedback**
      1. Registered users can write feedback regarding the system which will be notified to the admin.

## 3. Requirements: -

* Hardware Requirements

1. System: i3 Processor
2. Hard Disk: 500 GB
3. Monitor: 14” LED
4. Ram: 4 GB

* Software Requirements

1. Operating system: Windows 10

2. Coding Language: Python 3.8, Java SE 14, C++11

3. Web Framework: Flask

**STUDENTS DETAILS**

|  |  |  |
| --- | --- | --- |
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**APPROVAL AND AUTHORITY TO PROCEED**

We approve the project as described above, and authorize the team to proceed.

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| --- | --- | --- |
| **Name** | **Title** | **Signature**  **(With Date)** |
| Amanpreet Kaur | Supervisor |  |