MES COLLEGE OF ENGINEERING, KUTTIPPURAM
DEPARTMENT OF COMPUTER APPLICATIONS
20MCA246 – MAIN PROJECT

PRO FORMA FOR THE APPROVAL OF THE FOURTH SEMESTER MAIN PROJECT

(Note: All entries of the pro forma for approval should be filled up with appropriate and complete information. Incomplete Pro forma of approval in any respect will be rejected.)

Main Project Proposal No : _____ *(Filled by the Department)*	Academic Year : 2021- 22 Year of Admission : 2020

1. Title of the Project : COMPANION INTELLIGENT CHATBOT
2. Name of the Guide : Prof. Hyderali K
3. Student Details (in BLOCK LETTERS)

Name	Register Number	Signature
GAYATHRI K	MES20MCA2019	

Date: 16/04/22

Approval Status : Approved / Not Approved

Signature of Committee Members

Comments of the Guide Dated Signature

Initial Submission :

First Review :

Second Review :

Comments of the Project Coordinator Dated Signature

Initial Submission:

First Review

Second Review

Final Comments :

Dated Signature of HOD

INTRODUCTION AND OBJECTIVES OF PROJECT

Language plays an import role in the field of communication, as through languages you can express your feeling emotions etc. Emotion involves in feelings, behaviors, experience and cognitions. An emotion could be any strong feelings through some circumstances or mood or relationship. Exchange of emotion can be done through text, feelings, speech, video, audio etc. Human can recognize their feelings, emotions but this is a challenge that how a system recognize humans feelings in the form of text, video, audio .Here we propose a system (Application) that recognize the emotion of the humans from their text and photos etc. The system will monitor the messages, photos, videos and audios shared by users. From these information users mental disorder can be find out .And result may forward to their relatives if any negative thought may detected.

PROBLEM DEFNITION

➢ Existing System

Today, identification of potential mental disorders often falls on the shoulders of supervisors (such as teachers, employers, or parents) who can observe the aforementioned symptoms better than others but only passively. As the facts that there are very few notable physical risk factors, the patients usually do not actively seek medical or psychological services to reduce these symptoms. Consequently, patients would look for clinical interventions with psychiatrists and medical treatments only when their conditions become very serious. However, a recent study shows a strong correlation between suicidal attempt and SNMDs for students. In this research, 9510 adolescent students aged from 12 to 18 years old are tested using a personality inventory and Internet addiction inventory. The findings indicate that adolescents suffering from social network addictions have a much higher risk of suicidal ideation than non-addictive users. The research also reveals that social network addiction may deteriorate emotional status, causing higher hostility, depressive mood and compulsive behavior. Most importantly, the delay of early intervention may lead to mental illness and thus can seriously damage an individual's social functioning. In short, it is desirable to actively detect potential SNMD users on OSNs at an early stage.

➢ Proposed System

Today online Social Network Mental Disorder Detection (SNMDD) are usually treated at a late stage. To address this issue, we propose an approach, new to the current practice of SNMD detection, by mining data logs of OSN users to actively identify potential SNMD cases early. We develop a machine learning framework for detecting SNMDs, namely Social Network Mental Disorder Detection (SNMDD). Moreover, we design and analyze many features from OSNs, such as parasociality, self-disclosure, etc.,

which serve as important factors or proxies for identifying SNMDs. The proposed framework can be deployed as a software program to provide an early alert for potential patients and their advisors. The System also provides an emotion graph which helps to know about the emotion levels of various users.

BASIC FUNCTIONALITIES OF PROJECT

- This app shall provide with login to access their specified account using a username and unique password
- During login process the app will verify the specific user account
- App contains three sections Admin, user, psychiatrist
- The system shall be developed as an android application
- Administrator should contain the following functional requirements.

Modules:

- Admin
- Counsellor
- User

Admin

- User management
- Counsellor management
- View emotion graphs
- View feedback

Counsellor

- Registration
- View emotion graphs
- Provide Counselling tips

User

- Registration
- Profile Updating
- Post photo, video, audio etc.
- Send Friend Request
- Accept Request
- Chatting
- Get Counselling tips
- Feedback

HARDWARE AND SOFTWARE REQUIREMENT

This specifies the hardware and the support software required to carry out the development.

➢ Hardware Requirements

The selection of hardware is very important in the existence and proper working of any software. Then selection hardware, the size and capacity requirements are also important.

- Processor : 64 bit
- RAM : Min 3 GB
- Hard Disk : 10 GB

➢ Software Requirements

One of the most difficult task is selecting software for the system, once the system requirements is found out then we have to determine whether a particular software package fits for those system requirements. The application requirement:

- OPERATING SYSTEM: WINDOWS 10
- FRONT END: HTML, CSS, JAVASCRIPT
- BACK END: Mysql
- IDE: Jetbrains Pycharm, Android studio
- TECHNOLOGY USED: PYTHON,JAVA
- FRAME WORK USED: Flask