



**SHARDA**  
UNIVERSITY  
*Beyond Boundaries*

# **B.Tech Project Evaluation-2**

**AMIGO**

**YOUR SECOND SELF**

Presented by :-

Srishti Singh-(2018013720)

Prashant Singh-(2018013967)

Harsh Gupta-(2018014931)

Under the Supervision of:-

**Prof. (Dr.) Arun Prakash Agarwal**

**Sharda University, Gr. Noida**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
SCHOOL OF ENGINEERING AND TECHNOLOGY**

**May, 2022**

# APPROVAL BY GUIDE FOR EVALUATION

## Approval for Final Year Project Report - AMIGO Inbox x



**Srishti Singh**

1:42 PM (9 hours ago) ☆

Dear Sir, Please find attached the final soft copy of the final year project report. The changes, as per suggested by you, have been made....



**Arun Prakash Agrawal (Professor SET)**

to me, PRASHANT, harshgupta806 ▾

1:49 PM (9 hours ago) ☆ ↩ ⋮

Dear All,

I hereby approve your project report for evaluation purposes. All the very best.

Regards,

Arun

\*\*\*



**MOTIVATION**

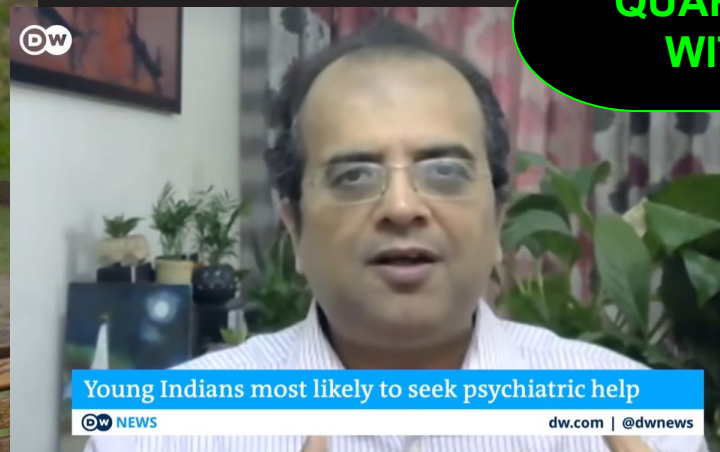
**ISOLATION**  
**LOCKDOWN**  
**LONELINESS**  
**STRESS**  
**SEPERATION**  
**ANXIETY**







## QUARANTINE & COPING UP WITH MENTAL HEALTH



# EXISTING APPLICATIONS

S.No	Existing Methodology	Pros	Cons	Link
1.	Mood Fit	<ul style="list-style-type: none"><li>1. Adaptable based on your goals</li><li>2. Visual insights with actionable exercises</li><li>3. Daily reminders to keep you on track.</li><li>4. Customizable based on your needs and goals</li></ul>	<ul style="list-style-type: none"><li>1.Lacks access to professional help.</li><li>2. May lead to self diagnose.</li><li>3. Some advanced features have additional costs.</li><li>4. Tracking moods can be time-consuming.</li></ul>	<a href="https://www.getmoodfit.com/">https://www.getmoodfit.com/</a>
2.	Mood Mission	<ul style="list-style-type: none"><li>1. In-app rewards to increase motivation.</li><li>2. Evidence-based CBT activities for depression and anxiety.</li></ul>	<ul style="list-style-type: none"><li>1. Options are limited to pre selected "missions".</li><li>2. Does not include access to professional help.</li></ul>	<a href="https://moodmission.com/">https://moodmission.com/</a>

3.	Sanvello	<p>1. Ability to access a licensed therapist when you need more support.</p> <p>2. Costs may be covered by health insurance.</p>	<p>1. Premium add-on features such as coaching and psychotherapy can be pricey if not covered by insurance.</p> <p>2. Lack of clarity on the credentials of "coaches".</p>	<a href="https://www.sanvello.com/">https://www.sanvello.com/</a>
4.	Depression CBT Self-Help Guide	<p>1. Promotes calm with activities and audio elements.</p> <p>2. Free access to all content and activities</p>	<p>1. Lacks information about the components of CBT.</p> <p>2. Only available on Android devices.</p>	<a href="#">CBT Guide to Depression Self-help: Mood Log, Diary</a>
5.	Shine	<p>1. Calming tools for crisis moments.</p> <p>2. Activities based on empirical research.</p>	<p>1. No access to professional support</p> <p>2. Challenge activities can sometimes be stress inducing.</p>	<a href="https://www.theshineapp.com/">https://www.theshineapp.com/</a>

**CHATBOT QUESTIONNAIRE  
TO ACCESS MENTAL  
HEALTH STATE**

**CHATROOM BASED  
SUPPORT-SYSTEM**

**AI-POWERED AND  
HUMAN MODERATION**

**OUR  
SOLUTION**

**PROGRESS CHART  
REPORTS FOR DAILY  
GOALS**

**ANONYMOUS USERS**

**WEB-BASED SOLUTION**

# WORK DISTRIBUTION OF TEAM

HARSH GUPTA	PRASHANT SINGH	SRISHTI SINGH
<ol style="list-style-type: none"><li>1. Studied on different existing applications</li><li>2. Read different articles and research paper</li><li>3. Applied different classification algorithm on dataset. Evaluated and compared the results of all the classification algorithms.</li><li>4. Writing Research paper , Report and Presentation</li></ol>	<ol style="list-style-type: none"><li>1. Research about existing applications for mental health</li><li>2. UI Design of the Web Application</li><li>3. Development of Chatroom (Channels, Messaging Application)</li><li>4. Addition of Chat Features (Emoji, Giphy Extension, Youtube Extension, Report and Ban)</li><li>5. Deployment of Web Application</li><li>6. Report, Presentation and Research Paper Writing</li></ol>	<ol style="list-style-type: none"><li>1. Research about Psychometric tests and available online Mental Health Therapy Products</li><li>2. Research on use of Machine Learning in the field of Mental Health</li><li>3. Finding a suitable dataset to carry research</li><li>4. Pre-processing of Dataset</li><li>5. Training and Evaluation of Machine Learning Models</li><li>6. Report, Presentation and Research Paper Writing</li></ol>



# Meetings with Guide



13	JUL 2021, TUE	●	4:30 – 5pm	Amigo: Meeting with Guide
27	JUL 2021, TUE	●	4:30 – 5pm	Amigo: Meeting with Guide
10	AUG 2021, TUE	●	4:30 – 5pm	Amigo: Meeting with Guide
24	AUG 2021, TUE	●	4:30 – 5pm	Amigo: Meeting with Guide
7	SEP 2021, TUE	●	4:30 – 5pm	Amigo: Meeting with Guide
21	SEP 2021, TUE	●	4:30 – 5pm	Amigo: Meeting with Guide
5	OCT 2021, TUE	●	4:30 – 5pm	Amigo: Meeting with Guide
19	OCT 2021, TUE	●	4:30 – 5pm	Amigo: Meeting with Guide
2	NOV 2021, TUE	●	4:30 – 5pm	Amigo: Meeting with Guide
16	NOV 2021, TUE	●	4:30 – 5pm	Amigo: Meeting with Guide

# Meetings with Guide



4	JAN 2022, TUE	4:30 - 5:00 pm	<b>Amigo: Meeting with Guide</b>
1	FEB 2022, TUE	4:30 - 5:00 pm	<b>Amigo: Meeting with Guide</b>
8	MARCH 2022, TUE	4:30 - 5:00 pm	<b>Amigo: Meeting with Guide</b>

# WEB APPLICATION FEATURES

IMPROVED CHAT UI DESIGN



ADDED CHANNELS IN  
CHATROOM



DIRECT MESSAGING  
FEATURE



ADDED CHANNEL FEATURES



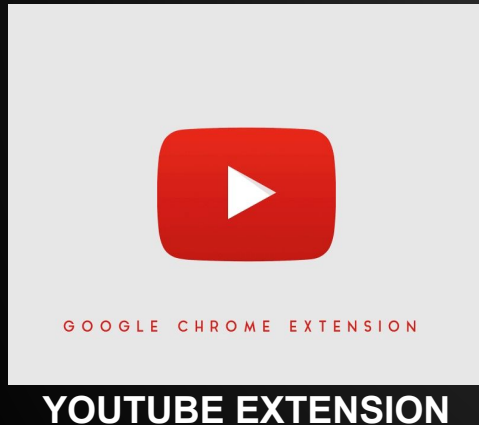
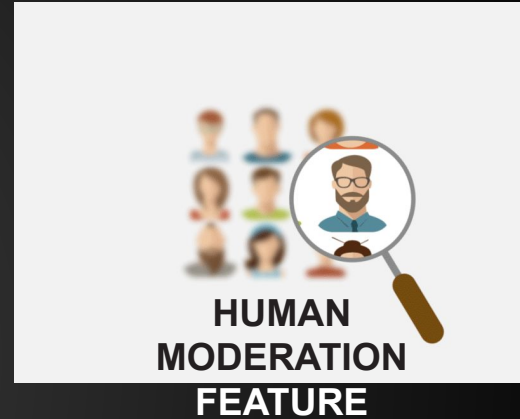
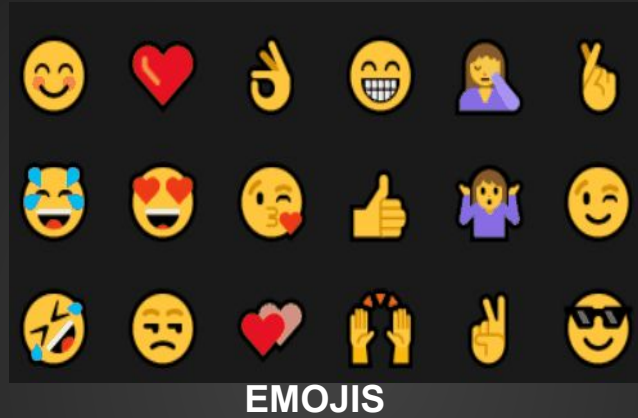
COMPLETION OF RESEARCH  
PAPER



QUESTIONNAIRE FEATURES



# CHANNEL FEATURES





Amigo App



Search

Channels

# SupportRoom

# MusicNChill

Direct Messages

9 9be1d08d1a253532439aa  
be611448a48

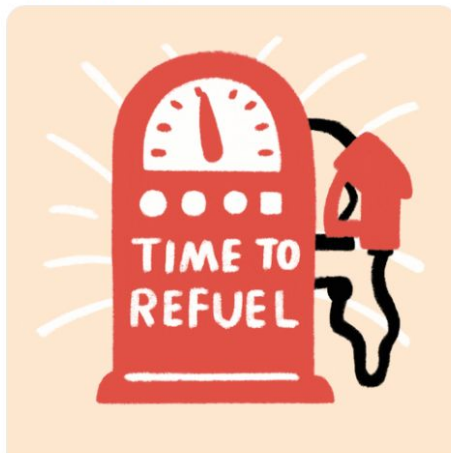
P Prashant Singh

# SupportRoom

1 user online

1  
3:56PM

10c5b1964364b8e80d7d45509b5937f5  
/giphy Mental Health



Mental Health  
GIPHY.COM

POWERED BY  
GIPHY

Send

Shuffle

Cancel



Type your message



# GIPHY EXTENSION

BACK



Amigo App



Search

Channels

# SupportRoom

# MusicNChill

Direct Messages

9 9be1d08d1a253532439aa  
be611448a48

P Prashant Singh

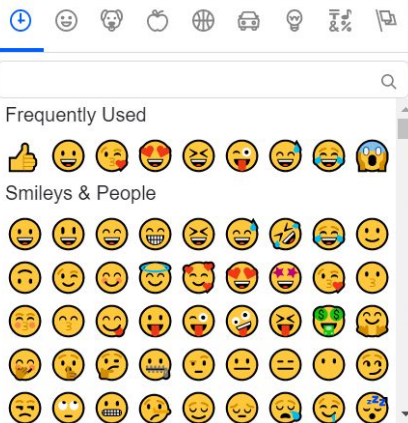
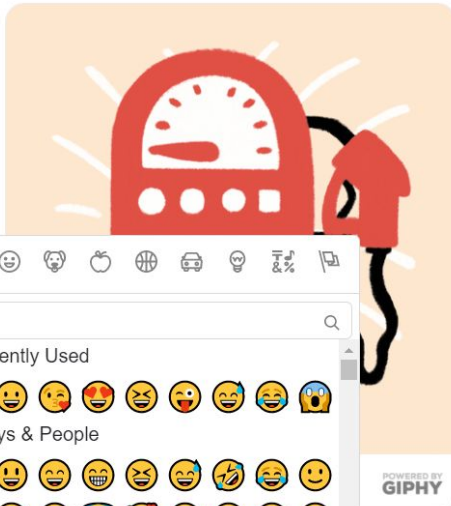
# SupportRoom

1 user online

1

/giphy Mental Health

3:56PM



Type your message



# EMOJI SUPPORT

BACK





Amigo App



Search

Channels

# SupportRoom

# MusicNChill

Direct Messages

9 9be1d08d1a253532439aa  
be611448a48

P Prashant Singh

# SupportRoom

1 user online

1

4:21PM

10c5b1964364b8e80d7d45509b5937f5

7 COMMON Anxiety Symptoms You Probably Don't Realize [youtube.com/watch?v=HEGJXDoxFsg](https://www.youtube.com/watch?v=HEGJXDoxFsg)



1

4:21PM

10c5b1964364b8e80d7d45509b5937f5

A video from Psych2Go [youtube.com/watch?v=fd\\_gBAIU46I](https://www.youtube.com/watch?v=fd_gBAIU46I)





Type your message



# YOUTUBE EXTENSION

BACK





Amigo App

Search

Channels

# SupportRoom

# MusicNChill

Direct Messages

9

9be1d08d1a253532439aa  
be611448a48

P

Prashant Singh

# SupportRoom


1 user online

1

10c5b1964364b8e80d7d45509b5937f5

2:25AM

Hello

 1

2 replies

Hello Amigos


CHANNEL NAME CHANGED TO SUPPORTROOM  
WEDNESDAY AT 04:48 PM


1


10c5b1964364b8e80d7d45509b5937f5

4:49PM

A video from Psych2Go [youtube.com/watch?v=fd\\_gBAIU46I](https://www.youtube.com/watch?v=fd_gBAIU46I)

 1



 Type your message


Thread 2 replies

1

10c5b1964364b8e80d7d45509b5937f5

2:25AM

Hello

 1

1

10c5b1964364b8e80d7d45509b5937f5

4:43PM

A thread started



S

Sps

11:54PM

Hello

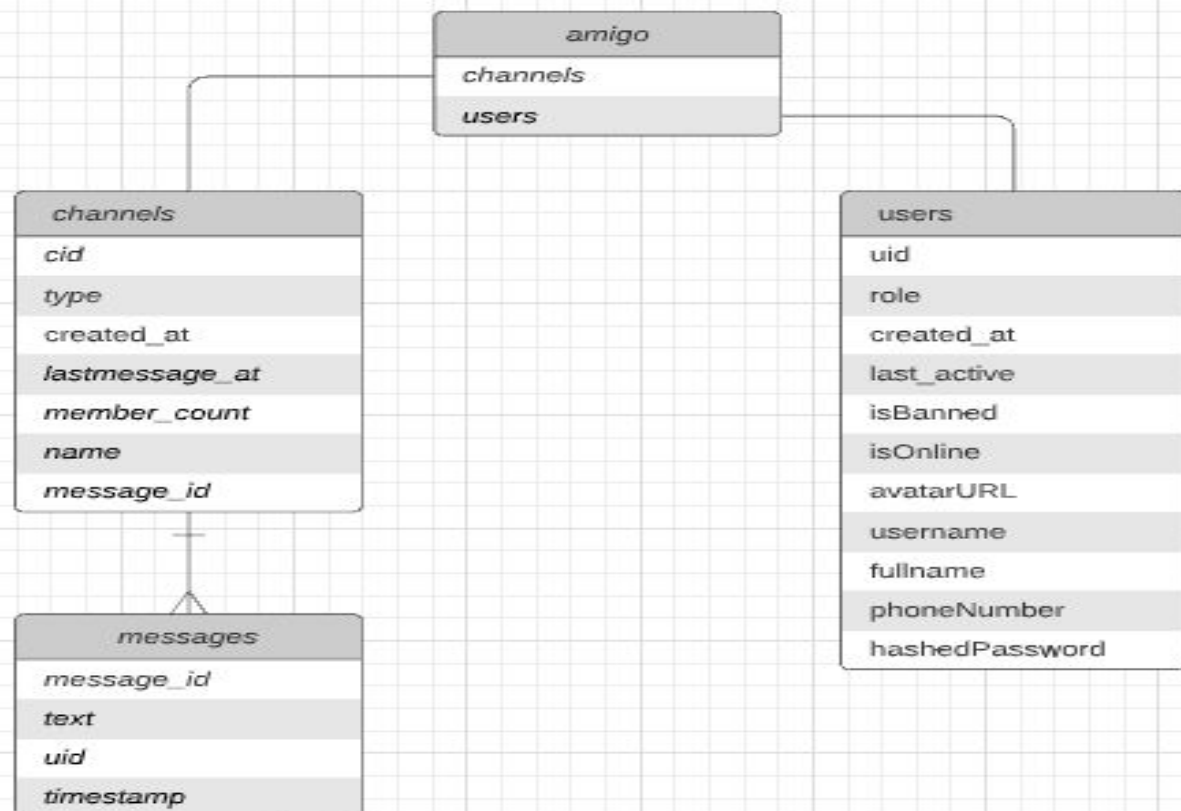
Type your message



EMOTIONAL SUPPORT CHANNEL

BACK

## Amigo Application: Database Schema



# REFERENCES

1. What's the toll of India's coronavirus crisis on mental health? | DW News
2. How the pandemic affects the mental health of young people | DW News
3. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3146226/>
4. <https://adaa.org/living-with-anxiety/personal-stories/losing-someone-you-love-depression>
5. <https://www.verywellmind.com/advantages-and-disadvantages-of-online-therapy-2795225>



THANK YOU