

1.Meetings and Conversations

	A	B	C	D	E	F	G
13	2023-01-01	09:00pm-10:00pm	Amila Devin	Research Topic Discussion			
14			Sunera Jayasinghe				
15			asdeslva369@gmail.com				
16			Imasha kuruppu				
17	2023-01-18	10:00pm-11:00pm	Amila Devin	Components discussion		Identify the architecture of each components	2022-1
18			Sunera Jayasinghe				
19			Imasha kuruppu				
20	2023-02-05	04:00pm - 07:00 pm	Amila Devin	Discussing the flow for Topic Assessment form		sent the form to the supervisor	2022-4
21			Sunera Jayasinghe				
22			asdeslva369@gmail.com				
23			Imasha kuruppu				
24	2023-02-08	09:00pm - 01:00am	Amila Devin	Finishing the system architecture diagram			2023-1
25			Sunera Jayasinghe				
26			asdeslva369@gmail.com				
27			Imasha kuruppu				
28	12/03/2023	05:00pm - 06:00pm	Amila Devin	Discuss with the co-supervisor		Advised to find an external supervisor related to the research topic	
29			Sunera Jayasinghe				
30			asdeslva369@gmail.com				
31			Imasha kuruppu				
32	22/02/2023	09:00a.m - 05:00p.m	Amila Devin	Met the external supervisor at the gampaha vikramarachchi and got her approval for the taf document		Accepted the request	2023-1
33			Sunera Jayasinghe				
34			asdeslva369@gmail.com				
35			Imasha kuruppu				
36	26/02/2023	05:00pm - 06:00pm	Amila Devin	Discuss with the co-supervisor		Accepted the TAF doc	
37			Sunera Jayasinghe				
38			asdeslva369@gmail.com				
39			Imasha kuruppu				
40	06/03/2023	09:00a.m - 10:00p.m	Amila Devin	Arranged a meeting with the supervisor to discuss the TAF evaluation and clarified the minor changes		Create a repository to store necessary	
41			Sunera Jayasinghe				
42			asdeslva369@gmail.com				
43			Imasha kuruppu				
44	28/03/2023	10:00pm - 2:30am	Amila Devin	Making the proposal presentation			
45			Sunera Jayasinghe				
46			asdeslva369@gmail.com				

Research Topic Discussion - Meeting - Calendar - R20216078@mysdlit.lk

Delete Join Yes Maybe No Propose new time Respond Buy Don't remind me Categorize Private Scheduling poll

Research Topic Discussion

Sun 2023-01-01 21:00 - 22:00

[Join Teams meeting](#)

Don't remind me

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Microsoft Teams meeting


Join on your computer, mobile app or room device
Click here to join the meeting

Meeting ID: 467 753 884 458
Passcode: rvMSGK
[Download Teams](#) | [Join on the web](#)
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Tracking


Organizer


 Mahawanthi K.A.J R2006...
Sent on Thursday, 2022-12-29 at 15:47

Attendees


Now responded: "Yes"


Yes: 2


 Dharshana Kasthurirathna
Required

 Jayasinghe J.A.S.C. R2021...
Required

Didn't respond: 3

 De Silva S R20166038
Required

 Senarathne S.M.A.D R200...
Required

 Samanthra Rajapaksha
Required



External supervisor discussion

Follow up



This event occurred 3 months ago (Sun 2/19/2023 9:00 PM - 9:30 PM)



Teams meeting



Accepted 2, Didn't respond 2

Messages

Meeting Details



You sent a meeting request

Microsoft Teams meeting Join on yo...

Sun 2/19/2023 8:23 PM



Dharshana Kasthurirathna accepted

[EXTERNAL EMAIL] This email has been received from an external source - please review before actioning, clickin...

Sun 2/19/2023 8:24 PM



TAF Feedback Discussion

Follow up ▾

🕒 This event occurred **2 months ago** (Wed 3/8/2023 9:00 PM - 9:30 PM)

📍 Microsoft Teams Meeting:
Teams meeting

👥 Accepted 2, Didn't respond 3

Messages Meeting Details



You sent a meeting request

Microsoft Teams meeting Join on yo...

Wed 3/8/2023 9:31 AM



Dharshana Kasthurirathna accepted

[EXTERNAL EMAIL] This email has been received from an external source – please review before actioning. clickin...

Wed 3/8/2023 9:32 AM

Request for an Email Confirmation for Research Charter Document

🔍 ▾ 📅



Maduwantha K.A. I it20069186

To: deanfim@gwu.ac.lk

Cc: Dharshana Kasthurirathna; Samantha Rajapaksha; De Silva S it20166038 +2 others



Mon 3/13/2023 8:55 PM

Dear Madam,

I am writing to kindly request an **email confirmation** and a **digital signature** from you, regarding our recent research. As we are working remotely, an email confirmation will serve as official documentation as we agreed.

To confirm, the discussed materials of our meeting on 22nd of February 2023 are attached with the email below. I would be grateful if you could confirm the above. Please let me know if there are any revisions or additional details that you would like me to add.

Thank you for your attention to this matter. I look forward to receiving your confirmation soon.

Best regards,
K.A Imasha Maduwantha
[📎 TMP-23-252.docx](#)

 Dharshana Kasthurirathna • Assistant Professor at SLIIT [View profile](#) ✕


 DK


Dharshana Kasthurirathna <dharshana.k@sliit.lk>
To: Maduwantha K.A.I it20069186; deanfim@gwu.ac.lk
Cc: Samantha Rajapaksha; De Silva S it20166038; Jayasinghe J.A.S.C. it20216078 +1 other
Mon 3/13/2023 8:56 PM


     


[EXTERNAL EMAIL] This email has been received from an external source – please review before actioning, clicking on links, or opening attachments.

I confirm the supervision of this project.


 Research Discussion - Future of Ayurveda Follow up ▾

 This event occurred 2 months ago (Fri 3/31/2023 9:00 PM - 9:30 PM)


 Microsoft Teams Meeting:
Teams meeting

 Accepted 3, Didn't respond 1


[Messages](#) [Meeting Details](#)



 You sent a meeting request


Presentation.pptx _____ Microsoft Teams ... Thu 3/30/2023 10:06 PM


 Dharshana Kasthurirathna accepted

[EXTERNAL EMAIL] This email has been received from an external source – please review before actioning, clicki... Thu 3/30/2023 10:07 PM


 Co Supervisor Meeting Follow up ▾

 This event occurred 2 weeks ago (Sat 5/13/2023 10:30 PM - 11:00 PM)  Series


 Microsoft Teams Meeting:
Teams meeting

 Samantha Rajapaksha <samantha.r@sliit.lk> invited you Accepted 1, Didn't respond 54

[Messages](#) [Meeting Details](#)

 Samantha Rajapaksha updated the meeting time for 5/13/2023

New meeting time: Sat 5/13/2023 10:30 PM - 11:00 PM Sat 5/13/2023 11:05 AM

 You accepted

Sat 5/13/2023 11:05 AM

Progress Meeting with Supervisor

Follow up ▾

This event occurred **1 week ago** (Mon 5/22/2023 3:00 PM - 3:30 PM)

Microsoft Teams Meeting;
Teams meeting

Accepted 2, Didn't respond 2

Messages

Meeting Details

You sent a meeting request

Microsoft Teams meeting Join on ...

Mon 5/22/2023 10:37 AM

Co Supervisor Meeting - Event instance - Calendar - it20216078@myslit.lk

Delete ▾

Join

Yes ▾

Maybe ▾

No ▾

Propose new time ▾

Tentative ▾

15 minutes before ▾

Categorize ▾

Private

Scheduling poll

Co Supervisor Meeting

Thu 2023-05-25 22:30 - 23:00

View series

Show all instances

Join Teams meeting

Microsoft Teams Meeting

15 minutes before ▾

[EXTERNAL EMAIL] This email has been received from an external source - please review before actioning, clicking on links, or opening attachments.

Dear All

Please join the co supervisor meeting on Thursday at 9:00 pm online.

Microsoft Teams meeting

Join on your computer, mobile app or room device

Click here to join the meeting

Meeting ID: 476 227 678 369

Passcode: QjnGyu

Download Teams | Join on the web

Tracking

Organizer

Samantha Rajapaksha

Sent on Friday, 2023-05-05 at 22:04

Attendees

You didn't respond

Didn't respond: 56

Shivaani Dushya R. it20...

Required

Zainab M.B.U.H it2000...

Required

Wakoela M.D.V. it2000...

Required

Nethmin N.A.L. it20148...

Required

Premadasa B.G.R it202...

Required

Wjessinghe K.H. it2013...

Required

Maduwantha K.A.I it20...

Required

Athukorala Y.J it200299...

Required

2.Ethical Clearance Form

Maduwantha K.A.I it20069186

To: Dharshana Kasthurirathna; Hansi De Silva; Rivoni De Zoysa

Cc: De Silva S it20166038; Senarathne S.M.A.D it20089436; Jayasinghe J.A.S.C. it20216078

+ 1 other

Ethical Clearance Form.docx

78 KB

Dear panel,

Can you please look at the following ethical clearance form and give us the approval. And we kindly request the signatures for the document.

Thank you,

Reply

Reply all

Forward

Wed 5/31/2023 10:51 PM

3.Jira Board

This screenshot shows the Jira Software Backlog for the 'Ayur_Minds' project. The interface includes a left sidebar with navigation options like Timeline, Backlog, Board, Reports, and Issues. The main area displays a list of tasks for 'AYUR Sprint 1' (17 Jul - 31 Dec). Each task is represented by a card showing its title, progress bar, status, and assignee.

Task ID	Task Name	Progress	Status	Assignee
AYUR-24	Signup screen implementation	0m	PEER-REVIEW	[User]
AYUR-23	Welcome page implementation	0m	PEER-REVIEW	[User]
AYUR-8	Initial Authentication Service	0m	DONE	[User]
AYUR-22	Creating the Top Navigation Bar	0m	PEER-REVIEW	[User]
AYUR-9	UI/UX Designs	0m	IN PROGRESS	AM
AYUR-6	Initial Backend	0m	DONE	[User]
AYUR-12	API to save, update and delete content inside the social network	0m	DEV-TESTING	[User]
AYUR-13	API to search related content by keywords	0m	DEV-TESTING	[User]
AYUR-14	API to search related content by filtration	0m	DEV-TESTING	[User]
AYUR-15	Extracting associated disease and treatment entities based on natural language processing	0m	IN PROGRESS	[User]
AYUR-16	Scheduled service to update existing the Knowledgebase	0m	TO DO	[User]
AYUR-17	User interfaces implementation	0m	IN PROGRESS	[User]

This screenshot shows the Jira Software Board for the 'Ayur_Minds' project. The board is organized into columns representing different stages of the workflow: IN PROGRESS, TESTING 2 OF 5, PEER-REVIEW 4 OF 4, and DONE 1 OF 5. Each column contains task cards with their titles, IDs, and assignees.

Column	Task ID	Task Name	Status
IN PROGRESS	AYUR-30	Adding Redux for the store management in the mobile frontend	In Progress
	AYUR-31	Creating the API gateway in frontend side	In Progress
	AYUR-24	Signup screen implementation	In Progress
	AYUR-23	Welcome page implementation	In Progress
TESTING 2 OF 5	AYUR-22	Creating the Top Navigation Bar	Testing
	AYUR-21	initiate mobile app frontend	Testing
	AYUR-25	Mobile Login screen implementation	Testing
PEER-REVIEW 4 OF 4	AYUR-24	Signup screen implementation	Peer Review
	AYUR-23	Welcome page implementation	Peer Review
	AYUR-22	Creating the Top Navigation Bar	Peer Review
	AYUR-21	initiate mobile app frontend	Peer Review
DONE 1 OF 5	AYUR-25	Mobile Login screen implementation	Done

4. Research paperwork

Menu

IEEE

Upgrade

The Future of Ayurveda: Harnessing the Power of Artificial Intelligence for Pers...

Review

Share

Submit to IEEE

History

Layout

Chat

Code Editor

Visual Editor

Recompile

10

chat-bot.png

conference_10171...

conference_10...

flowchart-socialnet...

File outline

Introduction

Literature Review

Methodology

Chatbot

Image Identification

Social Network

Results and Discussion

Conclusion and Future ...

Show document preamble

```
13
14
15 \title{The Future of Ayurveda:
16   Harnessing the Power of Artificial
17   Intelligence
18   for Personalized Treatment and Diagnosis}
19
20 \author{
21   \IEEEauthorblockN{1\textsuperscript
22     {st}}{Maduwantha K.A.I}}
23   \IEEEauthorblockA{Faculty of Computing
24     \\
25     Sri Lanka Institute of Information\\
26     Technology\\
27     Malabe, Sri Lanka \\
28     it20069186@my.sliit.lk}
29
30 \and
31 \IEEEauthorblockN{2\textsuperscript
32   {nd}}{De Silva A. S}
33   \IEEEauthorblockA{Faculty of Computing
34     \\
35     Sri Lanka Institute of Information\\
36     Technology\\
37     Malabe, Sri Lanka \\
38     it20069186@my.sliit.lk}
39
40 \and
41 \IEEEauthorblockN{3\textsuperscript
42   {rd}}{Jayasinghe J.A.S.C.}
```

AI systems. [2] The chosen technologies for implementation included React Native, Expo, Python, TensorFlow, and a Node Server. These technologies facilitated the development and deployment of the chatbot, ensuring a user-friendly experience for individuals seeking personalized solutions and guidance through text.

The effectiveness and performance of the chatbot were evaluated through rigorous testing and user feedback. Evaluations focused on assessing the chatbot's ability to accurately understand user queries, provide suitable treatment suggestions, and deliver general healthy lifestyle recommendations. Refinements and optimizations were made based on the evaluation results and user feedback to enhance the chatbot's performance and user satisfaction.

Throughout the research, ethical considerations were prioritized. Data privacy regulations and ethical guidelines were strictly followed to ensure the protection and confidentiality of user data. Informed consent was obtained from participants involved in user testing and interactions. Measures were implemented to safeguard sensitive health information and ensure the ethical use of the developed chatbot.

By following this methodology, an Ayurvedic-based AI chatbot was developed, incorporating NLP technologies, a comprehensive knowledge base, and machine learning algorithms. The chatbot aimed to assist users in identifying suitable Ayurvedic therapies and medicinal herbs based on their symptoms, as well as provide general healthy lifestyle recommendations.

B. Image Identification



the basis for training the machine learning model, which can utilize Neural Networks for classification. The trained model is tested and evaluated using separate datasets, with performance metrics such as accuracy, precision, recall, and scores being used to assess its effectiveness.

Once the model has been successfully trained and evaluated, the system is deployed to make it accessible to users. The technologies utilized include React Native, Python, Expo, Node Server, and Google Map integration for mapping the herbal plant locations. Also Auto Machine Learning is incorporated to make it easier to add new plants. The methodology presented in this research paper builds upon existing studies that have focused on plant recognition using image processing and machine learning. It addresses the specific challenge of identifying ayurvedic medicinal herbs for treating non-communicable diseases, while also incorporating geographic mapping and giving the ability to add new plants easily using auto machine learning.

C. Social Network



Fig. 3. System architecture diagram of Social network.

The proposed community-based QA social network implementation consists of several features. Ask questions, post articles, add comments, and user preferences. User preferences include handling user sessions and desired topic management. Users can follow any desired topic and get personalized recommendations through social network homepages and notifications.

To improve user experience, the proposed implementation

GitHub Commits

14 commits		47 files changed	At 1 contributor
Commits on Jul 1, 2023			
feat : adding theme file and file structure	imashakuruppu committed 3 weeks ago	2b92dce	Tip
style : adding themes	imashakuruppu committed 3 weeks ago	57955d8	Tip
init : adding navigator and initiate top nav bar	imashakuruppu committed 3 weeks ago	788fc4d	Tip
feat : create swappable top nav bar	imashakuruppu committed 3 weeks ago	7bd4a1c	Tip
Commits on Jul 3, 2023			
fix : expo version updated	imashakuruppu committed 3 weeks ago	f6b19b2	Tip
Commits on Jul 10, 2023			
feat : adding initial heading	imashakuruppu committed 2 weeks ago	cffa18f	Tip
Commits on Jul 12, 2023			
feat : adding screens and fonts	imashakuruppu committed 2 weeks ago	9888fc1	Tip
feat : creating the welcome page	imashakuruppu committed 2 weeks ago	81d4b7d	Tip
Commits on Jul 13, 2023			
feat : creating the signup page	imashakuruppu committed 2 weeks ago	9b878da	Tip
Commits on Jul 14, 2023			
feat : adding logo and new tab	imashakuruppu committed 2 weeks ago	facad32	Tip
Commits on Jul 19, 2023			
feat : creating the api service	imashakuruppu committed 5 days ago	58d776e	Tip
fix : change the util for access every services base urls	imashakuruppu committed 5 days ago	48f3735	Tip
Commits on Jul 20, 2023			
feat : adding redux to the app and creating the auth slice	imashakuruppu committed 5 days ago	888f644	Tip
Commits on Jul 23, 2023			
feature : adding chat icon and page	imashakuruppu committed yesterday	3a8823c	Tip



AyurMinds

Unfollow

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New

AyurMinds-Client-Mobile-App

Private

JavaScript 0 0 0 0 Updated yesterday

AyurMinds-AyurConnect-Service-1

Private

C# 0 0 0 0 Updated 4 days ago

AyurMinds-Authorization-Service

Private

Authorization determines their access rights

JavaScript 0 0 0 0 Updated last week

AyurMinds-Gateway

Private

JavaScript 0 0 0 0 Updated last week

AyurMinds-Doctor_Recommendation-Service

Private

0 0 0 0 Updated last week

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