

**Sri Lanka Institute of Information Technology**

**B.Sc (Hons) Information Technology Specialized in Software Engineering**

**Research Project - IT4010**




**Maduwantha K.A.I – IT20069186**

**LOG-BOOK**

## DECLARATION

I declare that this is my own work, and this proposal does not incorporate without acknowledgement any material previously submitted for a degree or diploma in any other university or Institute of higher learning and to the best of my knowledge and belief it does not contain any material previously published or written by another person except where the acknowledgement is made in the text.

Name	Student ID	Signature
Maduwantha K.A.I	IT20069186	

Signature of the Supervisor

Date

(Dr. Darshana Kasthurirathna)

.....

.....30/10/2023.....

Signature of the Co-Supervisor

Date

(Dr. Samantha Rajapaksha)

.....

.....30/10/2023.....

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## 1. MONTHLY PROGRESS

December (2022)	
DATE	DETAILS AND NOTES OF WORK CARRIED OUT, PROBLEMS ENCOUNTERED AND HOW SOLVED ETC.
Week 01	<ul style="list-style-type: none"> <li>• Started to find a group and a supervisor and co supervisor.</li> <li>• Research topic discussion with Dr. Darshana Kasturirathna. (Initial pitch)</li> <li>• Introduced team to supervisor.</li> <li>• Discussion of topics with supervisor.</li> <li>• Supervisor requested in detail on the selected topic at the next session.</li> <li>• Prepared a draft proposal report regarding the research idea.</li> <li>• Created a WhatsApp group including supervisor.</li> <li>• Finding a co supervisor.</li> <li>• Discussing the research topics with the co-supervisor. Prepared the presentation.</li> <li>• Referred necessary resources.</li> <li>• Initial presentation to the supervisor</li> <li>• Critically analyzed the pros and cons of the topic and the presentation.</li> <li>• Referred some research papers on similar field to get an idea on the context and the technologies used</li> </ul>
Week 02	<ul style="list-style-type: none"> <li>• Referred to some research papers on similar field to get an idea on the context and the technologies used.</li> </ul>
Week 03	<ul style="list-style-type: none"> <li>• Referring about some more topics with our supervisor.</li> </ul>
Week 04	<ul style="list-style-type: none"> <li>• Research Project weekly meeting and presentation.</li> </ul>

January (2023)	
DATE	DETAILS AND NOTES OF WORK CARRIED OUT, PROBLEMS ENCOUNTERED AND HOW SOLVED ETC.
<b>Week 01</b>	<p>We presented our research questions, main research objectives, sub objectives and component division. Initial meeting with external supervisor Dr. (Ms.)Janaki ,(Dean Gampaha Wikramarachchi Ayurvedic university of Sri Lanka)</p> <p>Worked on further studies of the selected topics.</p> <ul style="list-style-type: none"> <li>• Divided the components among four team members.</li> <li>• Worked on further studies of symptoms and their design patterns.</li> <li>• A background study was done about cutting-edge technologies that can use for solving our problems.</li> </ul>
<b>Week 02</b>	<ul style="list-style-type: none"> <li>• Designed initial High Level Architectural Diagram for a selected topic with our supervisor.</li> <li>• Designed ER Diagram RP group meeting.</li> <li>• RP group meeting where we discussed progress up to now, progress of the task breakdown structure, topic assessment form and tentative timeline.</li> <li>• Discussed existing problems with supervisor.</li> <li>• High Level Architectural Diagram redesigned.</li> </ul>
<b>Week 03</b>	<ul style="list-style-type: none"> <li>• High Level Architectural Diagram redesigned.</li> <li>• Meeting our external co supervisor for doubt clearance discussion.</li> </ul>

<b>Week 04</b>	<ul style="list-style-type: none"> <li>• Group registrations were submitted.</li> <li>• Updated supervisor on the progress of the topic evaluation.</li> <li>• Worked on the topic assessment form.</li> </ul> <p>Supervisor shared a folder to upload our topic assessment form.</p>
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February (2023)	
DATE	DETAILS AND NOTES OF WORK CARRIED OUT, PROBLEMS ENCOUNTERED AND HOW SOLVED ETC.
<b>Week 01</b>	<ul style="list-style-type: none"> <li>• Worked on the topic assessment form</li> </ul>
<b>Week 02</b>	<ul style="list-style-type: none"> <li>• Worked on the Gannt Chart</li> </ul>
<b>Week 03</b>	<ul style="list-style-type: none"> <li>• Feedback was given by the supervisor regarding the Gannt Chart</li> <li>• Comments were given by the supervisor to the topic assessment form.</li> <li>• Supervisor group meeting to discuss the feedback given.</li> <li>• Refined the topic assessment form as per the comments given.</li> </ul>
<b>Week 04</b>	<ul style="list-style-type: none"> <li>• Refined the topic assessment form as per the comments given.</li> <li>• Had a discussion with my co-supervisor to clarify some concerns regarding individual scopes.</li> <li>• Final confirmation was given to the topic assessment form by the supervisor.</li> <li>• Researched about existing systems and lit review.</li> </ul>

March (2023)	
DATE	DETAILS AND NOTES OF WORK CARRIED OUT, PROBLEMS ENCOUNTERED AND HOW SOLVED ETC.
Week 01	<ul style="list-style-type: none"> <li>• Proposal Reports Drafts are started.</li> <li>• Progress of the presentation practice.</li> </ul>
Week 02	<ul style="list-style-type: none"> <li>• Updated supervisor regarding the comments given for the topic assessment form by the panelists.</li> <li>• Had a meeting with supervisor.</li> <li>• Working on the proposal reports.</li> </ul>
Week 03	<ul style="list-style-type: none"> <li>• Updated supervisor regarding the progress of the presentation.</li> </ul>
Week 04	<ul style="list-style-type: none"> <li>• Submitted the project proposal document to CDAP cloud drive.</li> <li>• Submitted the approved topic assessment form to CDAP cloud drive.</li> <li>• Uploaded draft proposals into the cloud drive.</li> </ul>

April (2023)	
DATE	DETAILS AND NOTES OF WORK CARRIED OUT, PROBLEMS ENCOUNTERED AND HOW SOLVED ETC.
Week 01	<ul style="list-style-type: none"> <li>Proposal presentation practice session with group.</li> </ul>
Week 02	<ul style="list-style-type: none"> <li>Proposal presentation</li> <li>RP group meeting</li> </ul>
Week 03	<ul style="list-style-type: none"> <li>Submitted the proposal presentation to CDAP cloud drive.</li> <li>Field visit to Gampaha Wikramarachchi.</li> <li>Sent all the proposal reports to supervisor to get the Turnitin report.</li> </ul>
Week 04	<ul style="list-style-type: none"> <li>Submitted the individual project proposals to CDAP cloud drive.</li> <li>Updated supervisor regarding the progress of the implementations.</li> <li>Model training.</li> </ul>



May (2023)	
DATE	DETAILS AND NOTES OF WORK CARRIED OUT, PROBLEMS ENCOUNTERED AND HOW SOLVED ETC.
Week 01	<ul style="list-style-type: none"> <li>Model training.</li> </ul>
Week 02	<ul style="list-style-type: none"> <li>Physical meeting with supervisor.</li> </ul>
Week 03	<ul style="list-style-type: none"> <li>Second field visit to Gampaha Wickramarachchi.</li> <li>Collected datasets for related components.</li> <li>Discussions about progress and future works.</li> <li>Proposal Markings</li> </ul>
Week 04	<ul style="list-style-type: none"> <li>Submitted MS teams and GITLAB details to the CDAP cloud drive.</li> <li>Third field visit to Gampaha Wikramarachchi to collect datasets.</li> <li>Updated supervisor regarding the progress of individual components.</li> </ul>

June (2023)	
DATE	DETAILS AND NOTES OF WORK CARRIED OUT, PROBLEMS ENCOUNTERED AND HOW SOLVED ETC.
Week 01	<ul style="list-style-type: none"> <li>• Trained a model using transfer learning for the first time (Testing purpose).</li> <li>• Tried with <b>CNN and RASA</b> technique.</li> <li>• Test data augmentation using Google Collab separately.</li> <li>• Tried on the fly augmentation. But I realized that's not going to work for my scenario. Then I moved to other augmentation techniques.</li> <li>• Market Research: Conduct market research and gather insights into the target audience.</li> <li>• Use Case Selection: Choose specific use cases and chatbot functionalities.</li> <li>• First, I tried out test data augmentation for single class images.</li> </ul> <p>Test data augmentation for single class using Google Colab separately.</p>
Week 02	<ul style="list-style-type: none"> <li>• Meet with the co-supervisor to discuss the progress of the research component.</li> <li>• We were guided to work with the Overleaf application, which can be used to write research papers, and we were asked to start work on individual research papers.</li> <li>• Meet with the group members to discuss the overall implementation's service architecture, user interfaces, and user experience.</li> <li>• Meet with the co-supervisor to discuss the progress of the research component and research paper writing progress. Meet with the co-supervisor to discuss the progress of the research component and research paper writing progress. Meet with the group members to finalize the overall implementation's service architecture, user interfaces, and user experience.</li> </ul>

<b>Week 03</b>	<ul style="list-style-type: none"> <li>• The gathered historical chat logs and relevant content.</li> <li>• Data Annotation: Start annotating and labeling training data.</li> <li>• Dialogue Design: Design conversation flows and interactions.</li> <li>• Training Data Creation: Create initial training datasets for NLU and dialogue management.</li> </ul>
<b>Week 04</b>	<ul style="list-style-type: none"> <li>• Tried out image pre-processing technique before training a new model.</li> <li>• Trained a model after applying preprocessing technique.</li> <li>• Tried out another augmentation method which was augmented class by class.</li> <li>• and saved it in local storage.</li> <li>• Preprocessed data for symptoms.</li> <li>• Preprocessed data without using normalization.</li> <li>• Meet with the group members to finalize the overall implementation of service architecture, user interfaces, and user experience.</li> </ul>

July (2023)	
DATE	DETAILS AND NOTES OF WORK CARRIED OUT, PROBLEMS ENCOUNTERED AND HOW SOLVED ETC.
Week 01	<ul style="list-style-type: none"> <li>• Bot Development: Begin creating the chatbot using Rasa and define intents and entities.</li> <li>• NLU Model Training: Train the NLU model using annotated data.</li> <li>• Dialogue Management: Develop initial dialogue management rules and policies.</li> <li>• Prototyping: Create a basic chatbot prototype for testing.</li> <li>• April - Testing and Refinement</li> </ul>
Week 02	<ul style="list-style-type: none"> <li>• Data Augmentation: Enhance training data with additional examples.</li> <li>• Training and Fine-Tuning: Train the chatbot on a larger dataset and fine-tune NLU and dialogue management.</li> <li>• Unit Testing: Begin testing individual components, such as intents, entities, and actions.</li> <li>• User Testing: Conduct user testing sessions to gather feedback on usability.</li> </ul>
Week 03	<ul style="list-style-type: none"> <li>• Update auto machine learning models- testing</li> <li>• Meet with the group members to discuss finished common implementations, which are user service and mobile app home page, and fix some raised issues.</li> </ul>
Week 04	<ul style="list-style-type: none"> <li>• Update auto machine learning models- testing</li> <li>• Added a feature map to visualize the feature extraction.</li> </ul>

<b>Week 05</b>	<ul style="list-style-type: none"> <li>• Mobile frontend designing initiation.</li> <li>• Plot a confusion matrix.</li> <li>• Created a classification report Meet with the co-supervisor to discuss the progress of the research component and research paper writing progress.</li> <li>• Meet with the group members to discuss the implementation progress of each component.</li> </ul>
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August (2023)	
DATE	DETAILS AND NOTES OF WORK CARRIED OUT, PROBLEMS ENCOUNTERED AND HOW SOLVED ETC.
<b>Week 01</b>	<ul style="list-style-type: none"> <li>• Meet with the co-supervisor to discuss the progress of the research component and research paper writing progress.</li> <li>• Meet with the group members to finalize and submit one of the written research papers for the ICAC conference.</li> <li>• Writing Research paper in Overleaf</li> </ul>
<b>Week 02</b>	<ul style="list-style-type: none"> <li>• Hyperparameter tuning and retrain the models.</li> <li>• Bot Enhancements: Continuously develop and enhance chatbot capabilities.</li> <li>• Integration: Integrate the chatbot with selected channels or platforms.</li> <li>• Usability Improvements: Make usability and design improvements based on user feedback.</li> <li>• Error Handling: Implement better error handling and recovery strategies.</li> <li>• June - User Acceptance Testing and Deployment</li> </ul>
<b>Week 03</b>	<ul style="list-style-type: none"> <li>• Hyperparameter tuning and retrain the models.</li> <li>• Meet with the supervisor physically to discuss the progress of the research component and combined research paper.</li> </ul>

<b>Week 04</b>	<ul style="list-style-type: none"> <li>• We have received an e-mail from our co-supervisor to combine our research components and write a single research paper. We started working on it.</li> <li>• Meet with the co-supervisor physically to discuss the progress. of combined and individual research papers.</li> </ul>
<b>Week 05</b>	<ul style="list-style-type: none"> <li>• User Acceptance Testing (UAT): Conduct comprehensive UAT with real users.</li> <li>• Performance Optimization: Address performance issues and optimize response times.</li> <li>• Deployment: Deploy the chatbot on selected platforms and ensure accessibility.</li> <li>• Scaling: Plan for scaling the chatbot to additional channels or use cases.</li> <li>• Feedbacks were given by the supervisor.</li> </ul>

September (2023)	
DATE	DETAILS AND NOTES OF WORK CARRIED OUT, PROBLEMS ENCOUNTERED AND HOW SOLVED ETC.
Week 01	<ul style="list-style-type: none"> <li>Started working on the research paper.</li> <li>PP2 preparations</li> <li>Analytics Integration: Implement analytics tools to monitor interactions and performance.</li> <li>User Training: Train the chatbot to handle a broader range of user inputs.</li> <li>Content Updates: Regularly update chatbot content, FAQs, and responses based on feedback.</li> <li>Security Review: Review and enhance security measures to protect user data and privacy.</li> <li>Continuous Improvement</li> </ul>
Week 02	<ul style="list-style-type: none"> <li>PP2 preparations</li> <li>Meet with the co-supervisor to give an update about the project's progress.</li> <li>Continuous Testing: Conduct ongoing testing and performance monitoring.</li> <li>Response Refinement: Continuously refine chatbot responses to improve user satisfaction.</li> <li>User Satisfaction Surveys: Collect user satisfaction feedback and make enhancements accordingly.</li> <li>Performance Monitoring: Continuously monitor chatbot performance and user interactions.</li> </ul>
Week 03	<ul style="list-style-type: none"> <li>Meet with the co-supervisor to give an update about the project's progress.</li> <li>Meet with the co-supervisor to discuss the final presentation. We were asked to make some improvements to the presentation slides</li> </ul>

<b>Week 04</b>	<ul style="list-style-type: none"> <li>• Meet with the co-supervisor to give an update about the project's progress.</li> <li>• Submitted the final research paper to HINDAWI 2023 with revisions.</li> <li>• Submitted the final research paper to CDAP cloud drive.</li> <li>• PP2 and research thesis discussion with supervisor.</li> </ul>
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October (2023)	
DATE	DETAILS AND NOTES OF WORK CARRIED OUT, PROBLEMS ENCOUNTERED AND HOW SOLVED ETC.
<b>Week 01</b>	<ul style="list-style-type: none"> <li>• Meet with the co-supervisor to discuss the feedback on the submitted paper to Hindawi Applied Computational Intelligence and Soft Computing journal. We were given guidance to work on the requested changes.</li> <li>• Submitted a draft research paper to co-supervisor for evaluations.</li> <li>• RP meeting to discuss feedback on the research paper.</li> <li>• Meet with the co-supervisor to give an update about the project's progress.</li> <li>• Meet with the co-supervisor to discuss the final presentation. We were asked to make some improvements to the presentation slides.</li> <li>• Documentation and Knowledge Transfer</li> <li>• Documentation: Create comprehensive documentation for the chatbot, including architecture and maintenance procedures.</li> <li>• Knowledge Transfer: Ensure knowledge transfer within the team and plan for ongoing maintenance and support.</li> <li>• Ongoing Maintenance and Enhancements</li> <li>• Continuous Improvements: Continue to monitor and enhance the chatbot's performance, responses, and functionality based on user feedback and analytics.</li> </ul>
<b>Week 02</b>	<ul style="list-style-type: none"> <li>• Meet with the co-supervisor to give an update on the progress of requested changes of the submitted journal paper.</li> <li>• Meet with co-supervisor to revise and again submit the paper with requested changes to Hindawi Applied Computational Intelligence and Soft Computing journal.</li> </ul>



	<ul style="list-style-type: none"> <li>• Meet with the co-supervisor to give an update about the project's progress.</li> <li>• Final Presentation Preparations.</li> <li>• Post-Launch Evaluation: Review the chatbot's performance since deployment, focusing on user interactions and feedback.</li> <li>• Bug Fixing: Address any critical issues or bugs reported by users.</li> <li>• Analytics Review: Analyze data collected from user interactions and refine the chatbot's understanding of user intents.</li> <li>• User Training: Continue training the chatbot with new data and queries to enhance its capabilities.</li> </ul>
<b>Week 03</b>	<ul style="list-style-type: none"> <li>• Final Presentation Preparations.</li> <li>• Meet with the co-supervisor to give an update about the project's progress.</li> <li>• Testing the Model</li> <li>• Deployment of the 4 components.</li> <li>• UI and Frontend development.</li> <li>• Backend implementation Finalization.</li> </ul>
<b>Week 04</b>	<ul style="list-style-type: none"> <li>• Final Presentation Preparations.</li> <li>• Meet with the co-supervisor to give an update about the project's progress.</li> <li>• Testing the Model</li> <li>• Deployment of the 4 components.</li> <li>• UI and Frontend development.</li> <li>• Backend implementation Finalization.</li> <li>• Testing the model accuracies.</li> </ul>

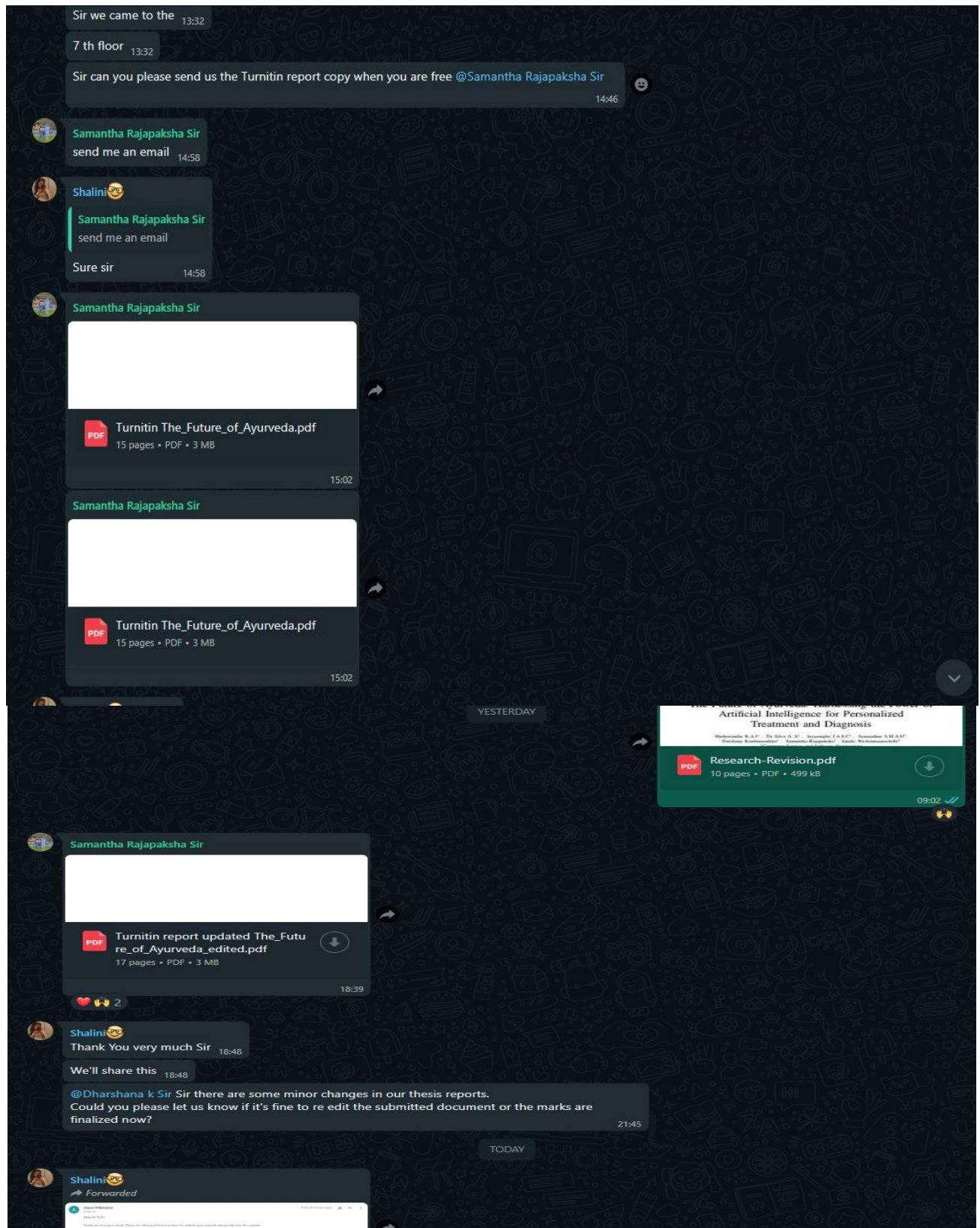
November (2023)	
DATE	DETAILS AND NOTES OF WORK CARRIED OUT, PROBLEMS ENCOUNTERED AND HOW SOLVED ETC.
Week 01	<ul style="list-style-type: none"> <li>• Final Presentations</li> <li>• Got feedback.</li> <li>• Uploaded the Presentations to the CDAP.</li> <li>• Meetings with Co supervisor</li> <li>• Logbook Submission.</li> <li>• Poster submission</li> <li>• Website Submission</li> <li>• ICAC presentations</li> </ul>

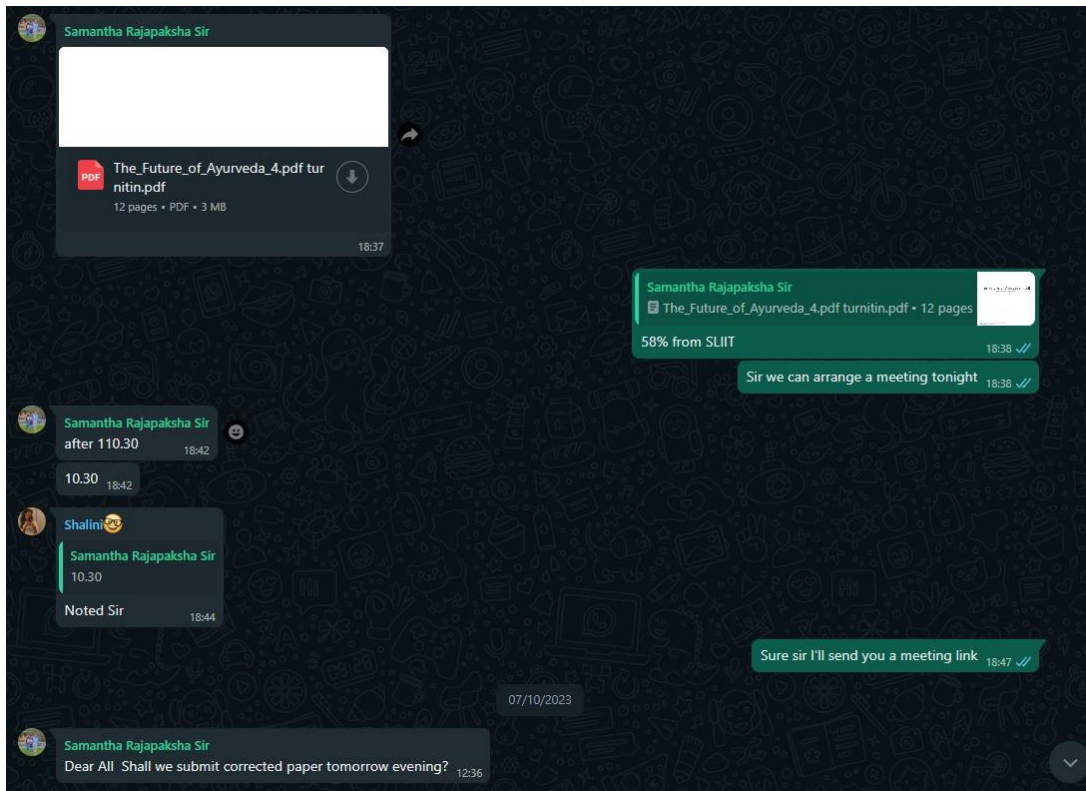
## 2. ALL REPOSITORIES

The screenshot displays a GitHub repository page for the 'AyurMinds' project. At the top, there is a search bar with the placeholder text 'Find a repository...' and three filter buttons: 'Type', 'Language', and 'Sort'. A green 'New repository' button is located in the top right corner. The main content area lists twelve repositories, each with a title, a visibility label (Public or Private), a description, a language icon (JavaScript or C#), and icons for forks, stars, issues, and pull requests. The 'Updated' date for each repository is also shown. The repositories are: AyurMinds-Client-Web-App (Public, JavaScript, Updated 15 hours ago), AyurMinds-Authentication-Service (Private, JavaScript, Updated 3 days ago), AyurMinds-Authorization-Service (Private, JavaScript, Updated 3 days ago), AyurMinds-Gateway (Private, JavaScript, Updated 3 days ago), AyurMinds-Dashboard (Private, JavaScript, Updated on Sep 14), AyurMinds-Real\_Time\_Service (Public, JavaScript, Updated on Sep 13), AyurMinds-Client-Mobile-App (Public, JavaScript, Updated on Sep 6), AyurMinds-Doctor\_Service (Private, JavaScript, Updated on Sep 4), AyurMinds-Chatbot-Service (Private, JavaScript, Updated on Sep 4), AyurMinds-Doctor\_Recommendation-Service (Private, JavaScript, Updated on Sep 3), AyurMinds-Chat-Service- (Private, JavaScript, Updated on Sep 3), and AyurMinds-AyurConnect-Service-1 (Public, C#, Updated on Sep 1). The last repository, AyurMinds-Design (Private, JavaScript, Updated on Jul 18), is partially visible at the bottom.

Repository Name	Visibility	Language	Updated
AyurMinds-Client-Web-App	Public	JavaScript	Updated 15 hours ago
AyurMinds-Authentication-Service	Private	JavaScript	Updated 3 days ago
AyurMinds-Authorization-Service	Private	JavaScript	Updated 3 days ago
AyurMinds-Gateway	Private	JavaScript	Updated 3 days ago
AyurMinds-Dashboard	Private	JavaScript	Updated on Sep 14
AyurMinds-Real_Time_Service	Public	JavaScript	Updated on Sep 13
AyurMinds-Client-Mobile-App	Public	JavaScript	Updated on Sep 6
AyurMinds-Doctor_Service	Private	JavaScript	Updated on Sep 4
AyurMinds-Chatbot-Service	Private	JavaScript	Updated on Sep 4
AyurMinds-Doctor_Recommendation-Service	Private	JavaScript	Updated on Sep 3
AyurMinds-Chat-Service-	Private	JavaScript	Updated on Sep 3
AyurMinds-AyurConnect-Service-1	Public	C#	Updated on Sep 1
AyurMinds-Design	Private	JavaScript	Updated on Jul 18

### 3. SCREENSHOTS OF THE SUPERVISOR AND CO SUPERVISOR GROUP MESSAGES





## 4. MOBILE APPLICATION COMMITS

Commits

main -

Commits on Sep 2, 2023

Merge pull request #16 from FYRP-2023/AYUR-55	Verified	c9c1dd6	<>	Tip
ImashaKuruppu25 committed on Sep 2				
Merge branch 'development1.0' of https://github.com/FYRP-2023/AyurMind...		ab688c8	<>	Tip
amila1998 committed on Sep 2				
new commit chat		f28cae	<>	Tip
amila1998 committed on Sep 2				
Merge pull request #15 from FYRP-2023/AYUR-38	Verified	12cc122	<>	Tip
ImashaKuruppu25 committed on Sep 2				
bugfix : fixing the plugin issue		c889c71	<>	Tip
shalini99 committed on Sep 2				
Merge pull request #12 from FYRP-2023/development1.0	Verified	3dc5538	<>	Tip
ImashaKuruppu25 committed on Sep 2				
Merge pull request #13 from FYRP-2023/social-network	Verified	1e5c6a3	<>	Tip
ImashaKuruppu25 committed on Sep 2				
Merge remote-tracking branch 'origin/development1.0' into social-network		523e4a4	<>	Tip
sunerajayasinghe committed on Sep 2				
Merge pull request #14 from FYRP-2023/AYUR-38	Verified	eb76265	<>	Tip
ImashaKuruppu25 committed on Sep 2				
feature : image picker implementation		6381468	<>	Tip
shalini99 committed on Sep 2				
fix : changing the sub heading		9fd9c52	<>	Tip
shalini99 committed on Sep 2				
feature: social network UIs		7a6f163	<>	Tip
sunerajayasinghe committed on Sep 2				
Merge remote-tracking branch 'origin/development1.0' into social-network		a26ecdf	<>	Tip
sunerajayasinghe committed on Sep 2				
feature: social network UIs		68ca39d	<>	Tip
sunerajayasinghe committed on Sep 2				
Merge pull request #11 from FYRP-2023/AYUR-37	Verified	a9c7e2b	<>	Tip
ImashaKuruppu25 committed on Sep 2				
feature : create the single chat screen		3e8f692	<>	Tip
Imasha Kuruppu committed on Sep 2				
feature : adding the single chat and new chat toggle feature		11be5fe	<>	Tip
Imasha Kuruppu committed on Sep 2				
Merge pull request #10 from FYRP-2023/development1.0	Verified	bbd78f1	<>	Tip
ImashaKuruppu25 committed on Sep 2				
Merge pull request #9 from FYRP-2023/AYUR-36	Verified	8a3b7ed	<>	Tip
ImashaKuruppu25 committed on Sep 2				
Merge pull request #8 from FYRP-2023/development1.0	Verified	c3182a6	<>	Tip
ImashaKuruppu25 committed on Sep 2				
adding the scroll view		bc25595	<>	Tip
Imasha Kuruppu committed on Sep 2				



## 5. JIRA BOARD

The screenshot displays the Jira Software interface for the 'Ayur\_Minds' project. The left sidebar contains navigation options: Timeline, Backlog (selected), Board, Reports, Issues, Add shortcut, and Project settings. The main area shows the 'Backlog' view for the 'Ayur\_Minds' project. At the top, there's a search bar and a 'Create' button. Below the project name, there's a filter bar with a search icon, a filter icon, and a 'Clear filters' button. The main content area shows a list of issues under the 'AYUR Sprint 1' (17 Jul - 31 Dec, 8 of 30 issues visible). The issues are listed in a table with columns for issue key, summary, status, and priority. The issues are: AYUR-12, AYUR-13, AYUR-14, AYUR-15, AYUR-16, AYUR-17, AYUR-18, and AYUR-19. The 'AYUR-17' issue is highlighted. Below the list, there's a 'Create issue' button. At the bottom, there's a 'Backlog' section with a 'Create sprint' button.

Issue Key	Summary	Status	Priority
AYUR-12	API to save, update and delete content inside the social network	DONE	High
AYUR-13	API to search related content by keywords	DONE	High
AYUR-14	API to search related content by filtration	DONE	High
AYUR-15	Extracting associated disease and treatment entities based on natural language processing	DONE	High
AYUR-16	Scheduled service to update existing the Knowledgebase	DONE	High
AYUR-17	User interfaces implementation	DONE	High
AYUR-18	Configure Apache Pinot database	TO DO	High
AYUR-19	Solution deployment	DONE	High

The screenshot displays the Jira Kanban board for the 'Ayur\_Minds' project. The board is organized into five columns: TO DO, IN PROGRESS (1 OF 5), TESTING, PEER-REVIEW, and DONE (3 OF 19). The 'TO DO' column contains a card for 'Herb description screen implementation' with issue key AYUR-39. The 'IN PROGRESS' column is empty. The 'TESTING' column is empty. The 'PEER-REVIEW' column is empty. The 'DONE' column contains three cards: 'Creating the Herb Identification screen' (AYUR-34), 'Camera access configure to capture herbs' (AYUR-35), and 'Image upload feature' (AYUR-36). Each card in the 'DONE' column has a green checkmark and a green circle with the letter 'S'.

Column	Issue Key	Summary	Status
TO DO	AYUR-39	Herb description screen implementation	TO DO
IN PROGRESS			
TESTING			
PEER-REVIEW			
DONE	AYUR-34	Creating the Herb Identification screen	DONE
DONE	AYUR-35	Camera access configure to capture herbs	DONE
DONE	AYUR-36	Image upload feature	DONE

Ayur\_Minds

Software project

Timeline

Backlog

**Board**

Reports

Issues

Add shortcut

Project settings

Projects / Ayur\_Minds

AYUR Sprint 1

46 days remaining

Complete sprint

GROUP BY

Subtask

Insights

View settings

TO DO 2

IN PROGRESS 5

TESTING 2

PEER-REVIEW 4

DONE 19

AYUR-26

Doctor Recommendation Service

3 subtasks

DONE

Initialize the doctor recommendation server

AYUR-29

Initil doctor recommendation modal training

AYUR-27

Data preprocessing

AYUR-28

Everything else 29 issues

Configure Apache Pinot database

SOCIAL NETWORK IMPLEMENTATION

AYUR-18

Web App

AYUR-42

UI/UX Designs

AYUR-9

Herb description screen implementation

AYUR-39

Doctor Booking Service

AYUR-41

Chatbot UI modifications

AYUR-40

Adding Redux for the store management in the mobile frontend

AYUR-30

Creating the API gateway in frontend side

AYUR-31

Signup screen implementation

AYUR-24

Welcome page implementation

AYUR-23

Creating the Top Navigation Bar

AYUR-22

initiate mobile app frontend

AYUR-21

Chat Service

AYUR-33

Initial Authentication Service

INITIAL STATE

AYUR-6

Initial Backend

INITIAL STATE

AYUR-6

API to save, update and delete content inside the social network

SOCIAL NETWORK IMPLEMENTATION

You're in a team-managed project

Learn more

Waiting for ayurminds.atlassian.net...

TO DO

IN PROGRESS 1 OF 5

TESTING 2 OF 2

PEER-REVIEW 4 OF 4

DONE 4 OF 19

Everything else 11 issues

Chatbot UI modifications

AYUR-40

Adding Redux for the store management in the mobile frontend

AYUR-30

Creating the API gateway in frontend side

AYUR-31

Signup screen implementation

AYUR-24

Welcome page implementation

AYUR-23

Creating the Top Navigation Bar

AYUR-22

initiate mobile app frontend

AYUR-21

Implement the single chat view in chatbot

AYUR-37

Creating the chat bot welcome screen

AYUR-32

Chat screen header implementation

AYUR-36

Mobile Login screen implementation

AYUR-25





## 7. MEETINGS AND CONVERSATIONS

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Samantha Rajapa...
Workshop at 2.00 pm ...
7/14/2023
Inbox

Samantha Rajapaksha
Pre-Conference works...
7/11/2023
Dear Students Please joi...
Inbox

Samantha Rajapaksha
Meeting Attendance
7/8/2023
Dear Students Please ref...
Inbox

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Samantha Rajapaksha
Project Meeting
6/23/2023
Dear All Join the meetin...
Inbox

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Samantha Rajapaksha
Co Supervisor Meeting
6/22/2023
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Occurs every Th...
No conflicts
RSVP

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Samantha Rajapaksha
Project Meeting
6/6/2023
Dear Students This week'...
Inbox

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Samantha Rajapaksha
Research Project Logb...
5/29/2023
Dear Students Please co...
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Samantha Rajapaksha
Project meeting
5/13/2023
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Inbox

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Samantha Rajapaksha
Co Supervisor Meeting
5/13/2023
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Samantha Rajapaksha
External supervisor ide...
2/16/2023
4.30 pm is ok Thank you,...
Inbox

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DK
Dharshana Kasthurirathna
DRAFT RESEARCH PAPER
8/27/2023
Noted. You can go ahead with this one. Dharshan...
Inbox

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Dharshana Kasthurirathna
Ethical Clearance Form for Research
6/1/2023
Please find the attached. Dharshana Kasthurirathn...
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Dharshana Kasthurirathna
Progress Meeting with Supervisor
5/22/2023
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Dharshana Kasthurirathna
Research Discussion - Future of Ayurveda
3/30/2023
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Dharshana Kasthurirathna
Research discussion
3/30/2023
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Dharshana Kasthurirathna
Request for an Email Confirmation for Research ...
3/13/2023
I confirm the supervision of this project. Dharshan...
Inbox

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Dharshana Kasthurirathna
TAF Feedback Discussion
3/8/2023
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Dharshana Kasthurirathna
External supervisor discussion
2/19/2023
[EXTERNAL EMAIL] This email has been received fr...
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DK
Dharshana Kasthurirathna
External supervisor identified for research proje...
2/16/2023
I'm free Sunday 9pm. Please send a meeting requ...
Inbox

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DK
Dharshana Kasthurirathna
Topic Assessment Form
2/7/2023
Please find my comments attached. Dharshana Ka...
Inbox

Co Supervisor Meeting

Occurs every Thursday from 22:30 to 23:00 effective Thu 2023-06-29

Show all instances

Join Teams meeting

Microsoft Teams Meeting

[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

Learn More | Meeting options

Research Paper Discussion

Wed 2023-10-04 22:30 - 23:00

Join Teams meeting

Microsoft Teams Meeting

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Show more

Meeting recap

Recording

Did you find this section useful? Yes No

Tracking

Organizer

Maduwantha K.A.I it20069...

Sent on Wednesday, 2023-10-04 at 20:18

Attendees

You responded "Yes"

Yes: 1

Jayasinghe J.A.S.C. it202...

Required

Didn't respond: 3

Samantha Rajapaksha

Required

De Silva S it20166038

Required

Senarathne S.M.A.D it20...

Required

Recorrect Research Paper Submission

Wed 2023-10-11 11:30 - 11:45

Join Teams meeting

Microsoft Teams Meeting

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Microsoft Teams meeting

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Meeting ID: 456 454 950 58

Passcode: DpyfZt

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Learn More | Meeting options

Tracking

Organizer

Maduwantha K.A.I it20069...

Sent on Wednesday, 2023-10-11 at 11:12

Attendees

You didn't respond

Yes: 1

Senarathne S.M.A.D it20...

Required

Didn't respond: 3

Samantha Rajapaksha

Required

De Silva S it20166038

Required

Jayasinghe J.A.S.C. it202...

Required

Progress Meeting with Supervisor

Mon 2023-05-22 15:00 - 15:30

Join Teams meeting

Microsoft Teams Meeting

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Microsoft Teams meeting

Join on your computer, mobile app or room device  
[Click here to join the meeting](#)

Meeting ID: 444 156 589 713  
Passcode: NhSpQ5  
[Download Teams](#) | [Join on the web](#)  
[Learn More](#) | [Meeting options](#)

Tracking

Organizer

Maduwantha K.A.I it20069...

Sent on Monday, 2023-05-22 at 10:37

Attendees

You responded "Yes"

Yes: 2

DK

Dharshana Kasthurirathna

Required

JI

Jayasinghe J.A.S.C. it202...

Required

Didn't respond: 2

D

De Silva S it20166038

Required

Senarathne S.M.A.D it20...

Required

Research Discussion - Future of Ayurveda

Fri 2023-03-31 21:00 - 21:30

Join Teams meeting

Microsoft Teams Meeting

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

[Presentation.pptx](#)

Microsoft Teams meeting

Join on your computer, mobile app or room device  
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Meeting ID: 457 276 619 922  
Passcode: 5vJmsH  
[Download Teams](#) | [Join on the web](#)  
[Learn More](#) | [Meeting options](#)

Tracking

Organizer

Maduwantha K.A.I it20069...

Sent on Thursday, 2023-03-30 at 22:06

Attendees

You responded "Yes"

Yes: 3

DK

Dharshana Kasthurirathna

Required

Senarathne S.M.A.D it20...

Required

JI

Jayasinghe J.A.S.C. it202...

Required

Didn't respond: 1

D

De Silva S it20166038

Required

TAF Feedback Discussion

Wed 2023-03-08 21:00 - 21:30

Join Teams meeting

Microsoft Teams Meeting

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Microsoft Teams meeting

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Meeting ID: 457 502 820 19  
Passcode: sNPmoA  
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[Learn More](#) | [Meeting options](#)

Tracking

Organizer

Maduwantha K.A.I it20069...

Sent on Wednesday, 2023-03-08 at 09:31

Attendees

You responded "Yes"

Yes: 2

DK

Dharshana Kasthurirathna

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JI

Jayasinghe J.A.S.C. it202...

Required

Didn't respond: 3

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De Silva S it20166038

Required

Senarathne S.M.A.D it20...

Required

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: rvM9Gk  
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Microsoft Teams meeting

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Meeting ID: 491 692 830 966  
Passcode: ymZPaR  
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## Tracking

 Maduwantha K.A.I it20069...  
Sent on Thursday, 2022-12-29 at 15:47

**DK** Dharshana Kasthurirathna  
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J Jayasinghe J.A.S.C. it202...  
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**D** De Silva S it20166038  
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Senarathne S.M.A.D it20...  
Required

## Tracking

 Maduwantha K.A.I it20069...  
Sent on Sunday, 2023-02-19 at 20:24

**DK** Dharshana Kasthurirathna  
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J Jayasinghe J.A.S.C. it202...  
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Senarathne S.MAD it20...  
Required

**D** De Silva S it20166038  
Required

Research topic discussion

Tue 2022-12-13 20:30 - 21:00

Join Teams meeting

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Microsoft Teams meeting

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Meeting ID: 470 157 484 960  
Passcode: q5dwY2  
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Tracking

Organizer

Maduwantha K.A.I. it20069...  
Sent on Tuesday, 2022-12-13 at 15:25

Attendees

You didn't respond

Yes: 1

DK Dharshana Kasthurirathna  
Required

Didn't respond: 3

Senarathne S.M.A.D it20...  
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D De Silva S it20166038  
Required

J Jayasinghe J.A.S.C. it20...  
Required

Outlook

Search

Teams call

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Home

View

Help

New mail

Delete

Archive

Report

Sweep

Move to

Reply

Reply all

Forward

Quick steps

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Folders

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Junk Email

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Search Fol...

Groups

Close

Previous

Next

DRAFT RESEARCH PAPER

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Maduwantha K.A.I. it20069186 <it20069186@my.slit.lk>

To: Dharshana Kasthurirathna; Samantha Rajapaksha

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

The Future of Ayurveda-upd...  
270 KB

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Please find the attached updated research paper.

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DK Dharshana Kasthurirathna <dharshana.k@slit.lk>

To: Maduwantha K.A.I. it20069186; Samantha Rajapaksha

Sat 2023-08-26 21:42

Outlook

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Teams call

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Home

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Quick steps

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Conversati...

Create new ...

Search Fol...

Groups

Close

Previous

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DRAFT RESEARCH PAPER

To: Maduwantha K.A.I. it20069186; Samantha Rajapaksha

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

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303 KB

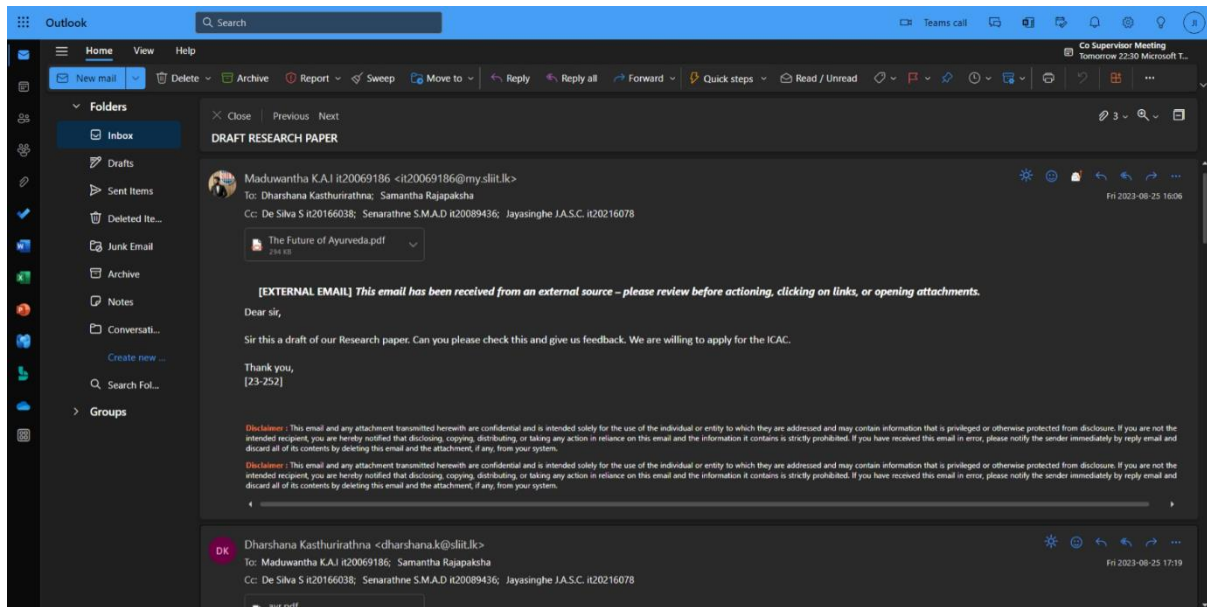
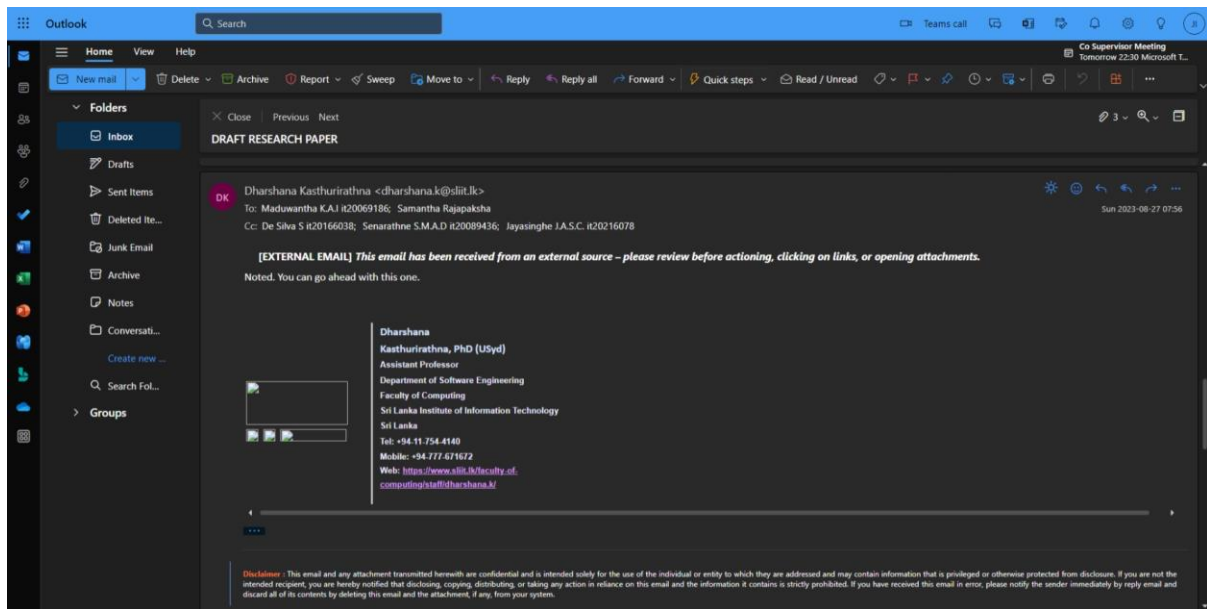
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Please find the attached.

Dharshana  
Kasthurirathna, PhD (USyd)  
Assistant Professor  
Department of Software Engineering  
Faculty of Computing  
Sri Lanka Institute of Information Technology  
Sri Lanka  
Tel: +94-11-754-4140  
Mobile: +94-777-617672  
Web: <https://www.slit.lk/faculty-of-computing/staff/dharshana.k/>

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Fri 2023-08-25 17:19





## 8. RESEARCH PAPER ACCEPTANCE LETTERS

Acceptance Notification: 5th International Conference on Advancements in Computing

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MC

Microsoft CMT <email@msr-cmt.org>  
To: Maduwantha K.A.I it20069186

Sat 10/14/2023 10:40 PM

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

Dear Imasha Kuruppu,

**Congratulations!** We are pleased to inform you that your paper has been accepted to be presented at the 5th International Conference on Advancements in Computing 2023.

Paper ID: 283  
Paper Title: The Future of Ayurveda: Harnessing the Power of Artificial Intelligence for Personalized Treatment and Diagnosis

Please visit <https://cmt3.research.microsoft.com/5ICAC2023/Submission/Index> to view the reviews given during the double-blind review process.


When preparing the camera-ready version of your paper, please address all the review comments and follow the camera-ready guidelines given in the <https://icac.lk/for-authors>

Please note that the camera-ready deadline is 1st of November 2023.

Camera-ready Submission Guidelines for Authors:  
(also available at <https://icac.lk/for-authors>)

1. Check the review comments in the CMT. The authors are expected to address all reviewer comments and revise the paper accordingly. (NOTE: You are not allowed to make significant structural changes to the accepted article.)
2. The paper must comply with IEEE format in order to be published in IEEE Xplore.
3. The title, author names, and affiliations must be in the correct format.  
(refer [https://ieeeauthorcenter.ieee.org/wp-content/uploads/IEEE\\_Style\\_Manual.pdf](https://ieeeauthorcenter.ieee.org/wp-content/uploads/IEEE_Style_Manual.pdf))
4. The abstract should be limited to 150-200 words.
5. All references and citations must be in IEEE referencing style.  
(refer to <https://ieeeauthorcenter.ieee.org/wp-content/uploads/IEEE-Reference-Guide.pdf>).
6. Paper should be proofread and must be free of any spelling and grammar mistakes.
7. Figures and tables must be clear, readable, and the captions should follow the IEEE formatting guidelines.  
(refer [https://ieeeauthorcenter.ieee.org/wp-content/uploads/IEEE\\_Style\\_Manual.pdf](https://ieeeauthorcenter.ieee.org/wp-content/uploads/IEEE_Style_Manual.pdf))
8. Include the following copyright notice in the footer (left-aligned) of the first page;  
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The Future of Ayurveda: Harnessing the Power of Artificial Intelligence for Personalized Treatment and Diagnosis








UNDER REVIEW v3

Maduwantha K.A.I   , De Silva A.S, Jayasinghe J.A.S.C, Senarathne S.M.A.D, Dharshana Kasthurirathna, Samantha Rajapaksha, Janaki Wickramaarachchi

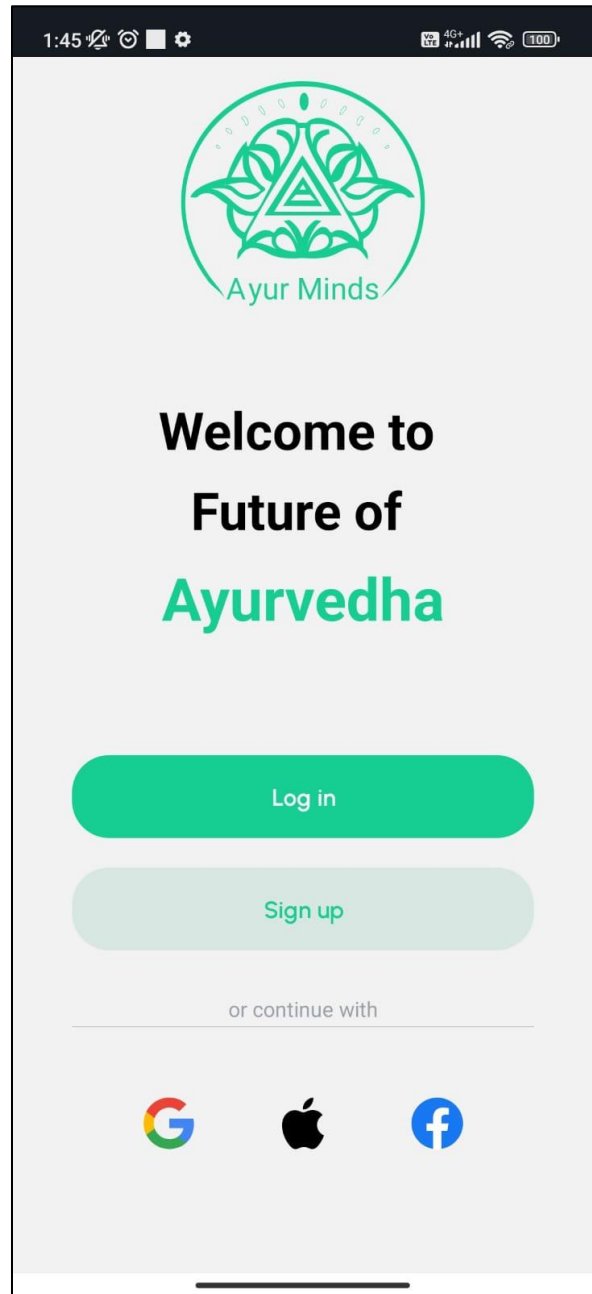
ID 9500238 Submitted on 28.08.2023 (2 months ago) Research Article • Applied Computational Intelligence and Soft Computing

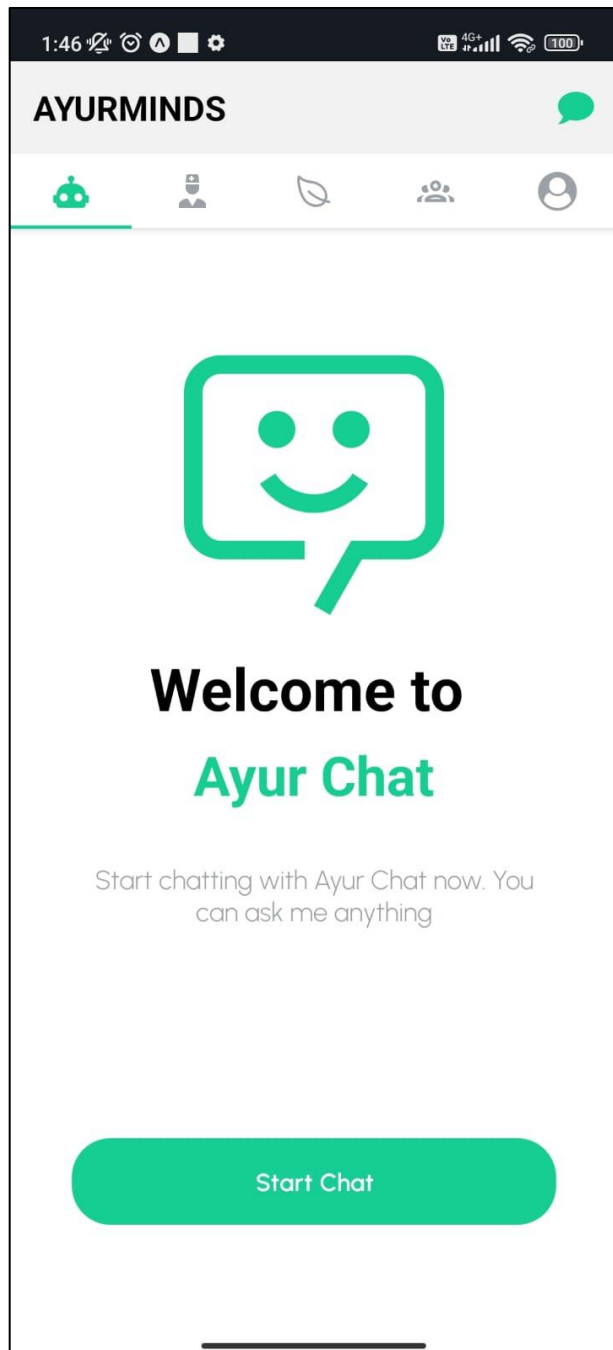
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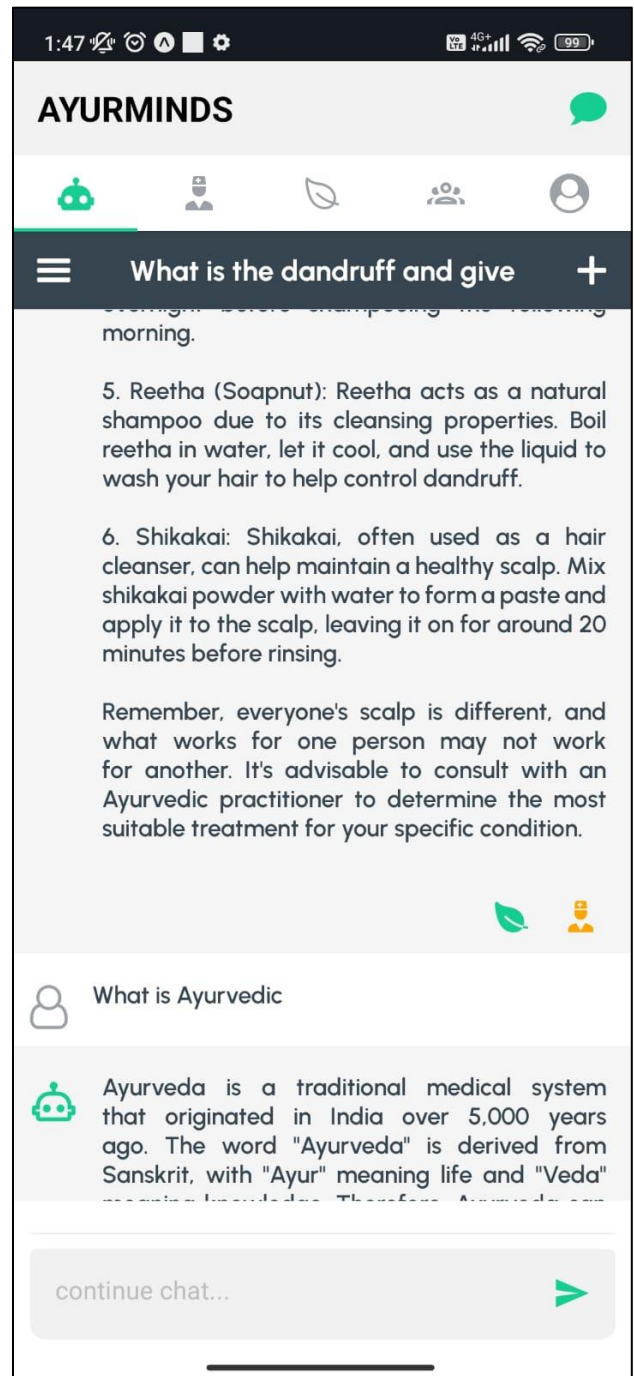
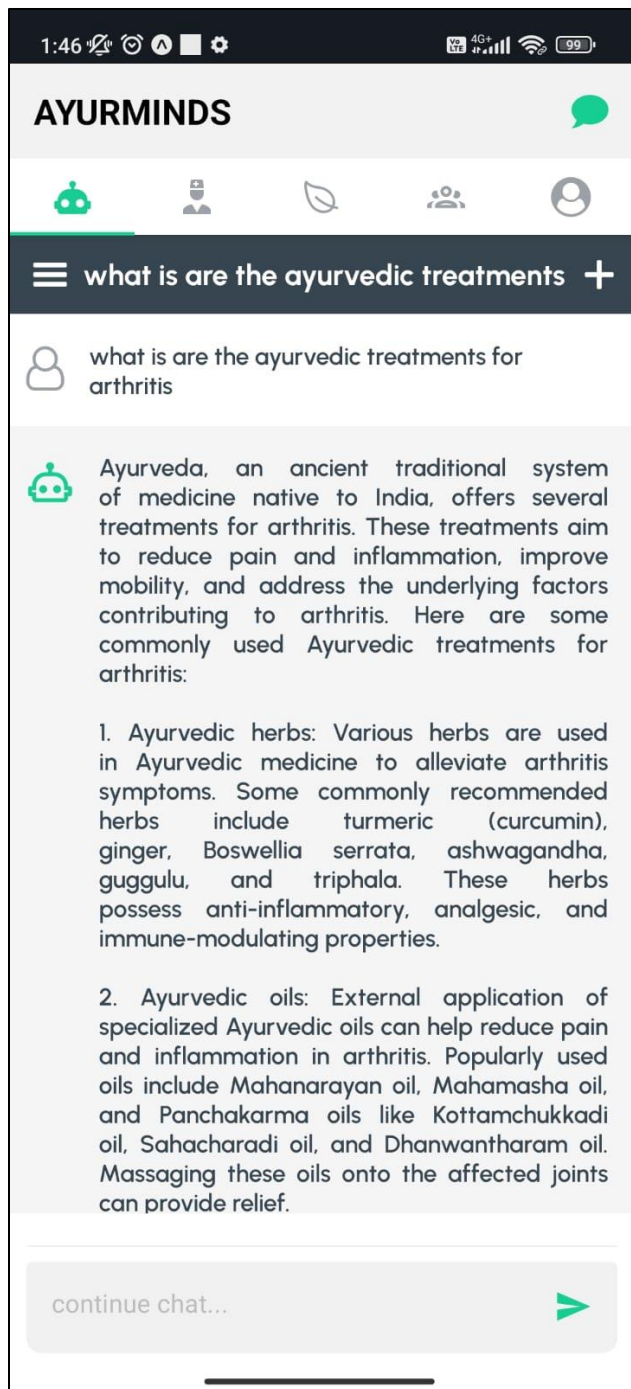


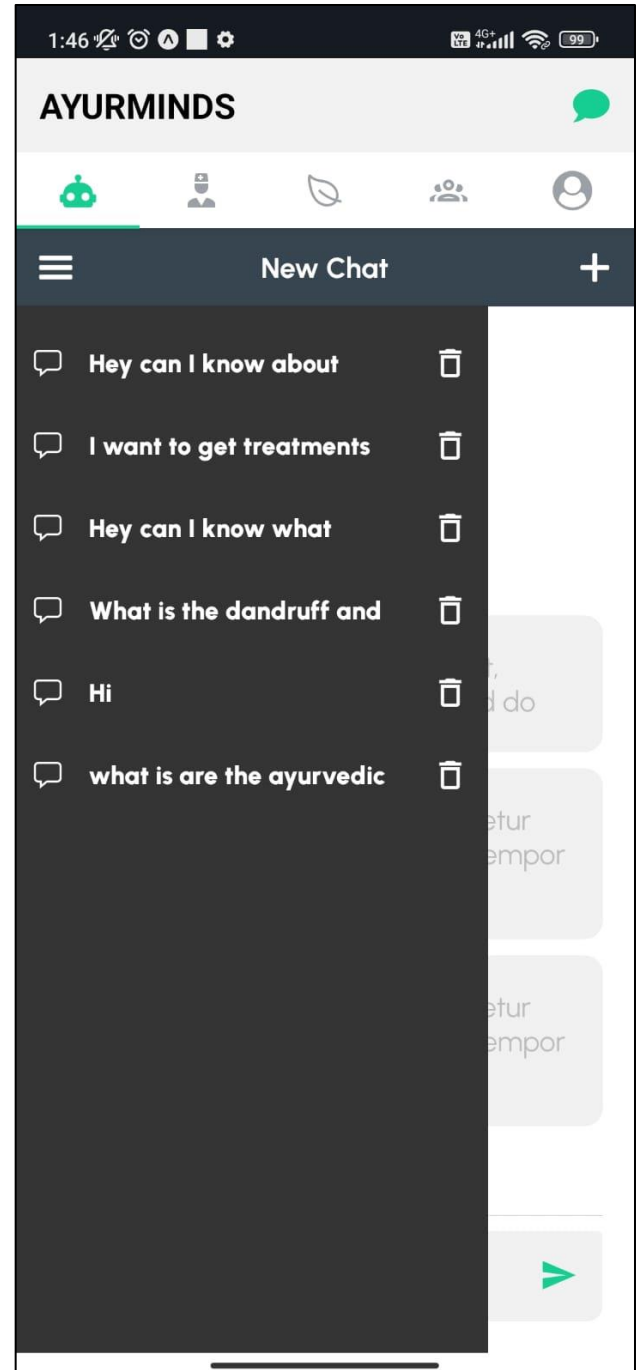
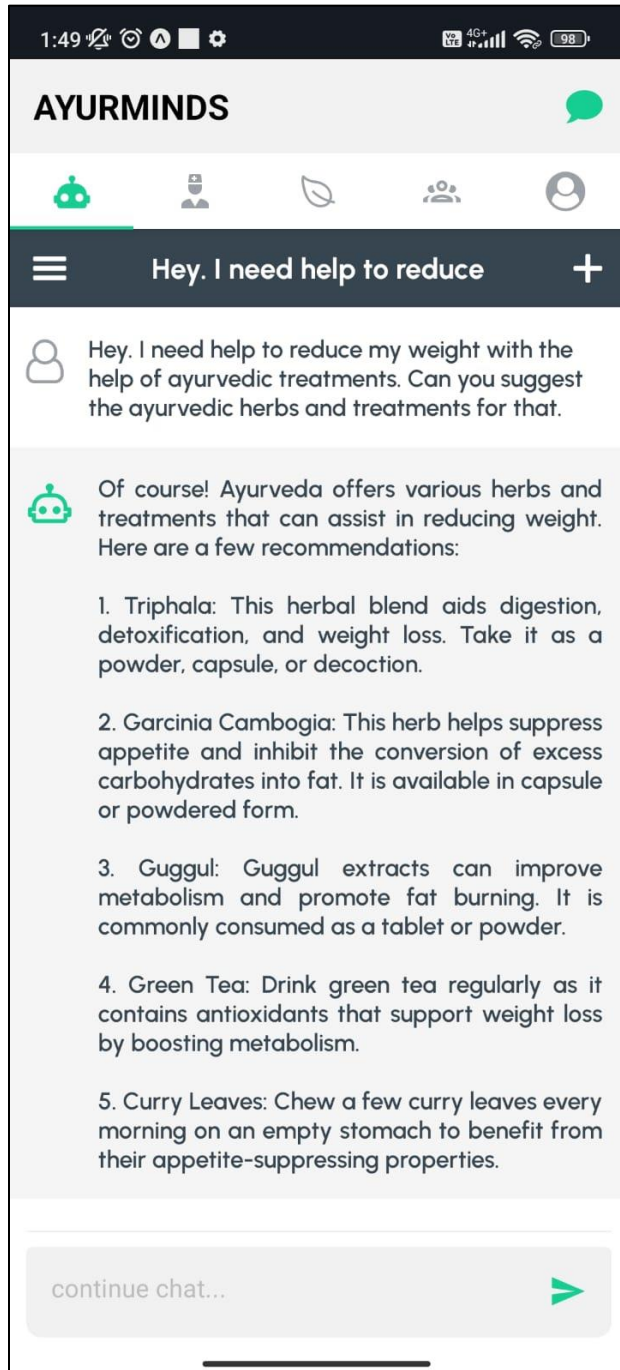
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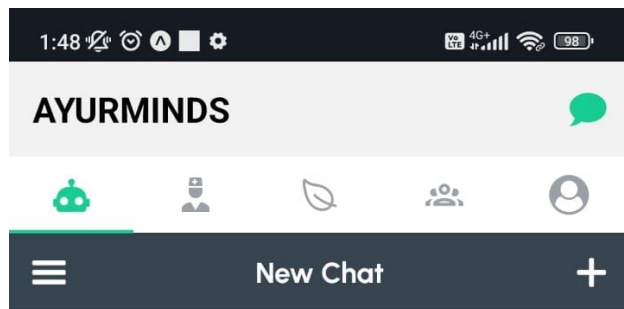
## 9. MOBILE UI











Hey. I need help to reduce my weight with the help of ayurvedic treatments. Can you suggest the ayurvedic herbs and treatments for that.

