

The Future of Ayurveda: Harnessing the Power of Artificial Intelligence for Personalized Treatment and Diagnosis

Project Logbook

Jayasinghe Arachchige Sunera Chamoda Jayasinghe

(IT20216078)

B.Sc. (Hons) Degree in Information Technology specializing in Software
Engineering

Department of Computer Science and Software Engineering

Sri Lanka Institute of Information Technology

Sri Lanka

September 2023

GitLab History ([23-252 / 23-252 · GitLab \(sliit.lk\)](#))

2 23-252

Project overview

Repository

Files

Commits

Branches

Tags

Contributors

Graph

Compare

Issues 0

Merge Requests 0

CI / CD

Operations

Analytics

Wiki

Collapse sidebar

it20216078 23-252

Create merge request

Filter by commit message

29 Oct, 2023 1 commit

feature: social network

Sunera Jayasinghe authored 1 day ago

- Social Network CRUD API
- Semantic Search API
- Information Extraction Pipeline

6e7e7283

06 Sep, 2023 1 commit

Social Network: Progress 2

Sunera Jayasinghe authored 1 month ago

dba543fe

03 Jun, 2023 3 commits

feat: AYUR-15

Jayasinghe J A S C authored 4 months ago

Extracting associated disease and treatment entities based on natural language processing

25bd49fc

feat: AYUR-12 & AYUR-14

Jayasinghe J A S C authored 4 months ago

API to search related content by keywords and API to search related content by filtration

0d2f00dd

feat: AYUR-12

Jayasinghe J A S C authored 4 months ago

8d1166e5

18 May, 2023 6 commits

Update README.md

Imasha Kuruppu authored 5 months ago

fb75cda9

Update README.md

Imasha Kuruppu authored 5 months ago

2eb6b0d6

Update README.md

Imasha Kuruppu authored 5 months ago

551da9b7

Update README.md

Imasha Kuruppu authored 5 months ago

6be7d25e

Update README.md

Imasha Kuruppu authored 5 months ago

01e66513

Add README.md

Imasha Kuruppu authored 5 months ago

0fbc4203

The screenshot shows a GitLab interface for a Merge Request. The left sidebar contains navigation links: Project overview, Repository, Issues (0), Merge Requests (1), CI / CD, Operations, Analytics, Wiki, Snippets, and Members. The main content area displays the Merge Request details for 'IT20216078 - Social Network Workings', opened by 'Jayasinghe J A S C'. It lists the overview, commits (5), and changes (29). The request is ready to be merged automatically. A comment section is visible with a 'Write' tab and a text area. The right sidebar shows metadata: Assignee (@imashakuruppu25), Milestone (None), Time tracking (No estimate or time spent), Labels (None), Lock merge request (Unlocked), 1 participant, and Notifications (enabled). The reference is 23-252/23-252:1.

Meetings and Conversations

The screenshot shows a Microsoft Teams meeting invitation email. The header includes the title 'Co Supervisor Meeting' and the frequency 'Occurs every Thursday from 22:30 to 23:00 effective Thu 2023-06-29'. A 'Join Teams meeting' button is present. The body of the email contains an external email warning, a greeting 'Dear All', and the meeting details: 'Please join the co supervisor meeting on Thursday at 9.00 pm online.' The footer provides the Microsoft Teams meeting link, meeting ID (476 227 678 369), passcode (QjnGyu), and links to download Teams or join on the web.

🔗

Research Paper Discussion

🕒

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

🔗

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. [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

📧

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

📄

Microsoft Teams meeting

Join on your computer, mobile app or room device

[Click here to join the meeting](#)

Meeting ID: 456 454 950 58
Passcode: DpyfZt
[Download Teams](#) | [Join on the web](#)

[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

📧

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

📄

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: NhSpQS
[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

👤

Dharshana Kasthurirathna

Required

👤

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

Required

✓

Didn't respond: 2

👤

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

Click here to join the meeting

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

SI

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

JJ

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

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

Microsoft Teams meeting

Join on your computer, mobile app or room device

Click here to join the meeting

Meeting ID: 457 502 820 19

Passcode: sNPmoA

Download Teams | Join on the web

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
Required

JJ

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

Didn't respond: 3

D

De Silva S it20166038
Required

SI

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

External supervisor discussion

Sun 2023-02-19 21:00 - 21:30

Join Teams meeting

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

Microsoft Teams meeting

Join on your computer, mobile app or room device

Click here to join the meeting

Meeting ID: 491 692 830 966

Passcode: ymZPaR

Download Teams | Join on the web

Learn More | Meeting options

Tracking

Organizer

Maduwantha K.A.I. it20069...

Sent on Sunday, 2023-02-19 at 20:24

Attendees

You responded "Yes"

Yes: 2

DK

Dharshana Kasthurirathna
Required

JJ

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

Didn't respond: 2

SI

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

D

De Silva S it20166038
Required

Research Topic Discussion

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

Join Teams meeting

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

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
[Download Teams](#) | [Join on the web](#)

Tracking

Organizer

Maduwantha K.A.I it20069...

Sent on Thursday, 2022-12-29 at 15:47

Attendees

You responded "Yes"

Yes: 2

DK

Dharshana Kasthurirathna

Required

Jl

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

Required

Didn't respond: 3

D

De Silva S it20166038

Required

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

Required

Research topic discussion

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

Join Teams meeting

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

Microsoft Teams meeting

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

Meeting ID: 470 157 484 960
Passcode: q5dwY2
[Download Teams](#) | [Join on the web](#)

[Learn More](#) | [Meeting options](#)

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...

Required

D

De Silva S it20166038

Required

Jl

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

Required

Outlook Search

Home View Help

New mail Delete Archive Report Sweep Move to Reply Reply all Forward Quick steps Read / Unread

Folders

- Inbox
- Drafts
- Sent Items
- Deleted Items
- Junk Email
- Archive
- Notes
- Conversations
- Create new
- Search Fol...
- Groups

Close Previous Next

DRAFT RESEARCH PAPER

Maduwantha K.A.J. <R20069186@mysliit.lk>
To: Dharshana Kasthurirathna; Samantha Rajapaksha
Cc: De Silva S <R20166038>; Senarathne S.M.A.D <R20089436>; Jayasinghe J.A.S.C. <R20216078>
Fri 2023-08-25 16:06

The Future of Ayurveda.pdf
294 KB

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

Dear sir,

Sir this is a draft of our Research paper. Can you please check this and give us feedback. We are willing to apply for the ICAC.

Thank you,
[23-252]

Disclaimer: This email and any attachment transmitted herewith are confidential and is intended solely for the use of the individual or entity to which they are addressed and may contain information that is privileged or otherwise protected from disclosure. If you are not the intended recipient, you are hereby notified that disclosing, copying, distributing, or taking any action in reliance on the information it contains is strictly prohibited. If you have received this email in error, please notify the sender immediately by reply email and discard all of its contents by deleting this email and the attachment, if any, from your system.

DK Dharshana Kasthurirathna <dharshana.k@slit.lk>
To: Maduwantha K.A.J. <R20069186>; Samantha Rajapaksha
Cc: De Silva S <R20166038>; Senarathne S.M.A.D <R20089436>; Jayasinghe J.A.S.C. <R20216078>
Fri 2023-08-25 17:19

ayr.pdf

Outlook Search

Home View Help

New mail Delete Archive Report Sweep Move to Reply Reply all Forward Quick steps Read / Unread

Folders

- Inbox
- Drafts
- Sent Items
- Deleted Items
- Junk Email
- Archive
- Notes
- Conversations
- Create new
- Search Fol...
- Groups

Close Previous Next

DRAFT RESEARCH PAPER

To: Maduwantha K.A.J. <R20069186>; Samantha Rajapaksha
Cc: De Silva S <R20166038>; Senarathne S.M.A.D <R20089436>; Jayasinghe J.A.S.C. <R20216078>
Fri 2023-08-25 17:19

ayr.pdf
353 KB

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

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: +94-777-671672
Web: <https://www.sliit.lk/faculty-of-computing/staff/dharshana.k/>

Disclaimer: This email and any attachment transmitted herewith are confidential and is intended solely for the use of the individual or entity to which they are addressed and may contain information that is privileged or otherwise protected from disclosure. If you are not the intended recipient, you are hereby notified that disclosing, copying, distributing, or taking any action in reliance on the information it contains is strictly prohibited. If you have received this email in error, please notify the sender immediately by reply email and discard all of its contents by deleting this email and the attachment, if any, from your system.

Outlook Search

Home View Help

New mail Delete Archive Report Sweep Move Reply Reply all Forward Quick steps Read / Unread

Folders

- Inbox
- Drafts
- Sent Items
- Deleted It...
- Junk Email
- Archive
- Notes
- Conversati...
- Create new ...
- Search Fol...
- Groups

Close Previous Next

DRAFT RESEARCH PAPER

3

Disclaimers: This email and any attachment transmitted herewith are confidential and is intended solely for the use of the individual or entity to which they are addressed and may contain information that is privileged or otherwise protected from disclosure. If you are not the intended recipient, you are hereby notified that disclosing, copying, distributing, or taking any action in reliance on this email and the information it contains is strictly prohibited. If you have received this email in error, please notify the sender immediately by reply email and discard all of its contents by deleting this email and the attachment, if any, from your system.

Maduwantha K.A.I. i20069186 <i20069186@my.slit.lk>
To: Dharshana Kasthurirathna; Samantha Rajapaksha
Cc: De Silva S i20166038; Senarathne S.M.A.D i20089436; Jayasinghe J.A.S.C. i20216078

The Future of Ayurveda-upd...
210 kb

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

Dear sir,

Please find the attached updated research paper.

Disclaimers: This email and any attachment transmitted herewith are confidential and is intended solely for the use of the individual or entity to which they are addressed and may contain information that is privileged or otherwise protected from disclosure. If you are not the intended recipient, you are hereby notified that disclosing, copying, distributing, or taking any action in reliance on this email and the information it contains is strictly prohibited. If you have received this email in error, please notify the sender immediately by reply email and discard all of its contents by deleting this email and the attachment, if any, from your system.

Disclaimers: This email and any attachment transmitted herewith are confidential and is intended solely for the use of the individual or entity to which they are addressed and may contain information that is privileged or otherwise protected from disclosure. If you are not the intended recipient, you are hereby notified that disclosing, copying, distributing, or taking any action in reliance on this email and the information it contains is strictly prohibited. If you have received this email in error, please notify the sender immediately by reply email and discard all of its contents by deleting this email and the attachment, if any, from your system.

DK Dharshana Kasthurirathna <dharshana.k@slit.lk>
To: Maduwantha K.A.I. i20069186; Samantha Rajapaksha

Sat 2023-08-26 21:42

Outlook Search

Home View Help

New mail Delete Archive Report Sweep Move Reply Reply all Forward Quick steps Read / Unread

Folders

- Inbox
- Drafts
- Sent Items
- Deleted It...
- Junk Email
- Archive
- Notes
- Conversati...
- Create new ...
- Search Fol...
- Groups

Close Previous Next

DRAFT RESEARCH PAPER

3

DK Dharshana Kasthurirathna <dharshana.k@slit.lk>
To: Maduwantha K.A.I. i20069186; Samantha Rajapaksha
Cc: De Silva S i20166038; Senarathne S.M.A.D i20089436; Jayasinghe J.A.S.C. i20216078

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

Noted. You can go ahead with this one.

Dharshana
Kasthurirathna, PhD (USyd)
Assistant Professor
Department of Software Engineering
Faculty of Computing
Sri Lanka Institute of Information Technology
Sri Lanka
Tel: +94-11-754-4440
Mobile: +94-777-671672
Web: <https://www.slit.lk/faculty-of-computing/staff/dharshana.k/>

Disclaimers: This email and any attachment transmitted herewith are confidential and is intended solely for the use of the individual or entity to which they are addressed and may contain information that is privileged or otherwise protected from disclosure. If you are not the intended recipient, you are hereby notified that disclosing, copying, distributing, or taking any action in reliance on this email and the information it contains is strictly prohibited. If you have received this email in error, please notify the sender immediately by reply email and discard all of its contents by deleting this email and the attachment, if any, from your system.

Sun 2023-08-27 07:56

Date**Description****1st January 2023**

I presented my component research project to the supervisor and got some suggestions.

- As the research area, I proposed implementing a social network that can ask questions and publish articles and try to identify duplicating content based on the BERT framework since I found some existing research for other deep learning approaches such as CNN, RNN, Word2Vec LSTM, and several machine learning approaches. Even though existing research has not been published explicitly on that, since such applications can be found on the internet commonly, I was suggested to additionally explore extracting knowledge from content and update the knowledge base that will be used for the chatbot implementation, which is a part of this research project.

18th January 2023

I presented the research component again to the supervisor with suggested changes.

- We were asked to find an external supervisor with expertise and knowledge in Ayurvedic medicine since some research components related to that.

5th February 2023

Discussed topic assessment form submission and checked with each other components among group members.

Date	Description
7 th February 2023	Discussed topic assessment form submission and checked with each other components among group members. Finished overall system architecture diagram.
12 th February 2023	Meet with the co-supervisor physically and present our research components. Since we still could not get the approval of an external supervisor, we were asked to meet with someone as the research proposal may be rejected due to that.
15 th February 2023	Meet with the external supervisor physically at Gampaha Wickramarachchi Indigenous Medical University to present our research components, explain our requirements, and get the signature for submitting the topic assessment form.
18 th February 2023	Meet with the supervisor physically to acknowledge the external supervisor's approval and get the signature for the topic assessment form.
19 th February 2023	Meet with the co-supervisor physically to acknowledge the external supervisor's approval and get the signature for the topic assessment form.
8 th March 2023	Meet with the supervisor to discuss topic assessment form feedback. We were asked to explicitly mention the improvements and findings we will do in each research component.

Date**Description****31st March 2023**

Meet with the supervisor to discuss the research proposal submission and future work. Also, we were asked to maintain an online repository to store our workings.

13th May 2023

Meet with the co-supervisor to discuss the progress of the research component. In the progress presentation slides, we were asked to mention the algorithms and findings worked on.

21st May 2023

Presented research component progress to the co-supervisor physically.

n.m.s. h. Regz

Dr. Saman 21/5/23

LOG BOOK (1ST JUNE 2023 –31ST AUGUST 2023)

Date	Description
1 st June 2023	Meet with the co-supervisor to discuss the progress of the research component. 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.
13 th June 2023	Meet with the group members to discuss the overall implementation's service architecture, user interfaces, and user experience.
22 nd June 2023	Meet with the co-supervisor to discuss the progress of the research component and research paper writing progress.
29 th June 2023	Meet with the co-supervisor to discuss the progress of the research component and research paper writing progress.
30 th June 2023	Meet with the group members to finalize the overall implementation's service architecture, user interfaces, and user experience.
6 th July 2023	Meet with the co-supervisor to discuss the progress of the research component and research paper writing progress. Our presented research papers showed some minor issues that can be enhanced.
13 th July 2023	Meet with the co-supervisor to discuss the progress of the research component and research paper writing progress.
13 th July 2023	Meet with the group members to discuss finished common implementations, which are user service and mobile app home page, and fix some raised issues.
20 th July 2023	Meet with the co-supervisor to discuss the progress of the research component and research paper writing progress.
22 nd July 2023	Meet with the group members to discuss the implementation progress of each component.
10 th August 2023	Meet with the co-supervisor to discuss the progress of the research component and research paper writing progress.
15 th August 2023	Meet with the group members to finalize and submit one of the written research papers for the ICAC conference.
16 th August 2023	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.
19 th August 2023	Meet with the supervisor physically to discuss the progress of the research component and combined research paper.
27 th August 2023	Meet with the co-supervisor physically to discuss the progress of combined and individual research papers.

Date

Supervisor Signature.....

Co-Supervisor Signature..... 27/8/23

Date	Description
7th September 2023	Meet with the co-supervisor to give an update about the project's progress.
28th September 2023	Meet with the co-supervisor to give an update about the project's progress.
4th October 2023	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.
5th October 2023	Meet with the co-supervisor to give an update on the progress of requested changes of the submitted journal paper.
11th October 2023	Meet with co-supervisor to revise and again submit the paper with requested changes to Hindawi Applied Computational Intelligence and Soft Computing journal.
12th October 2023	Meet with the co-supervisor to give an update about the project's progress.
19th October 2023	Meet with the co-supervisor to give an update about the project's progress.