UNIFIED DLP SOLUTIONS FOR EMAIL SYSTEM

Project Id: TMP-2023-24-082

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Ahamed RR - IT20650902

B.Sc. (Hons) Degree in Information Technology

Specialization in Cyber Security

Department of Information Technology

Sri Lanka Institute of Information Technology

Sri Lanka

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Screenshots of Microsoft Teams Meetings

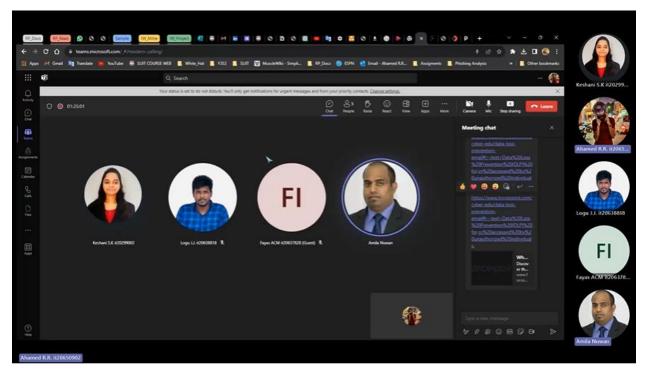


Figure 1: MS Teams Meeting with Supervisor

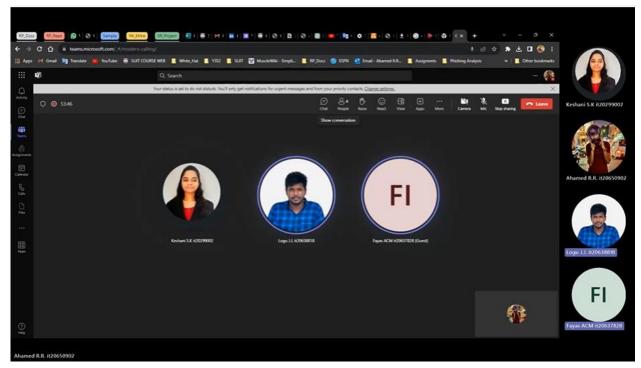


Figure 2: MS Teams Meeting with Team Members

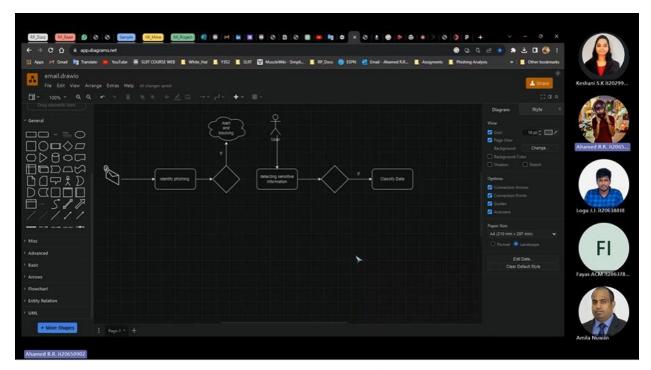


Figure 3: Ms Teams Meeting with Supervisor

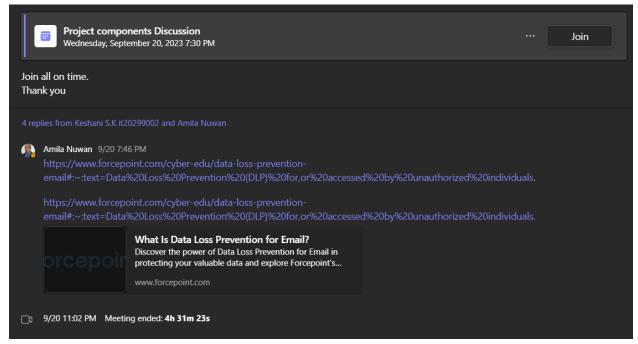


Figure 4: MS Teams Chat

WhatsApp Group Chats...

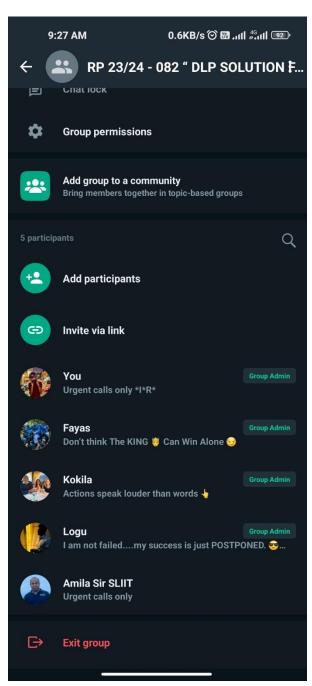


Figure 5: WhatsApp Group with Supervisor



Figure 6: WhatsApp Group chats with Supervisor



Figure 7: WhatsApp Group Chats Group Members

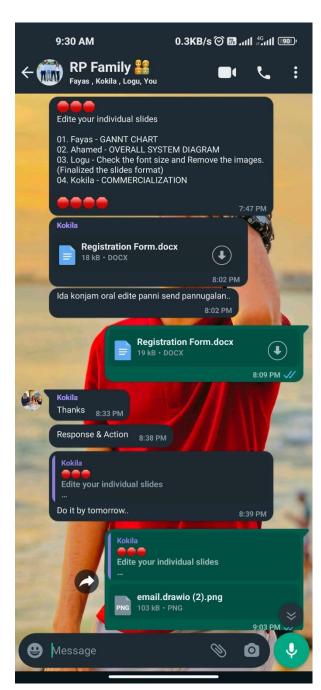


Figure 8: WhatsApp Group Chats Group Members



Figure 9: WhatsApp Group Chats Group Members

Emails and planned Teams Events

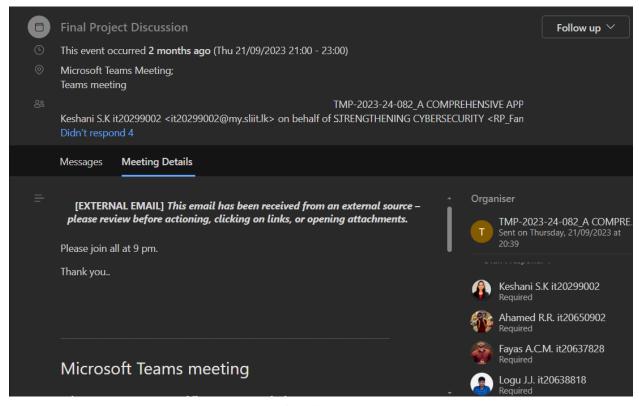


Figure 10: Planned MS Teams Meeting

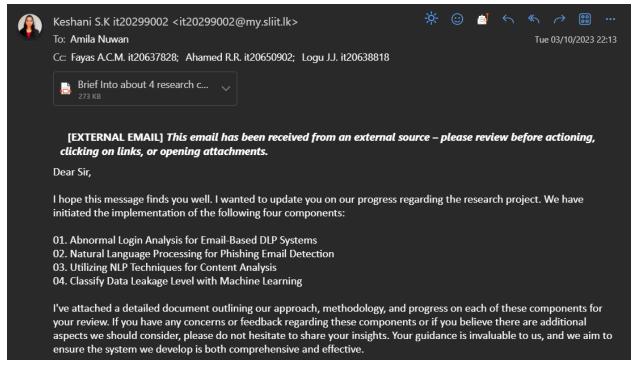


Figure 11: Email Communication with Supervisor

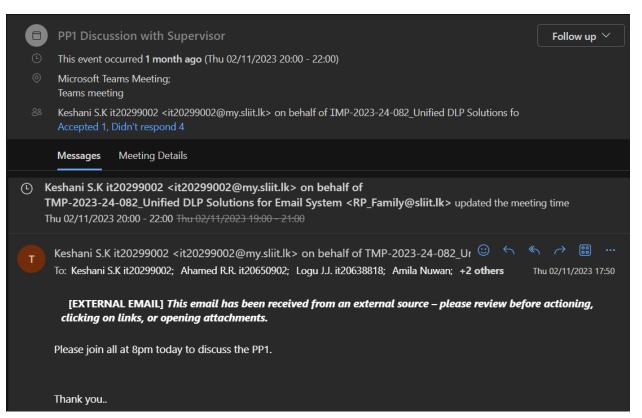


Figure 12: PP1 Discussion Meeting with Supervisor

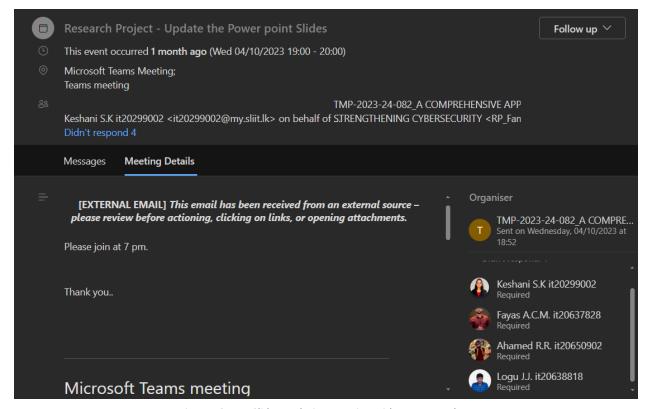


Figure 13: PP1 Slides Updating Meeting with Team Members

Project view of Microsoft Planner

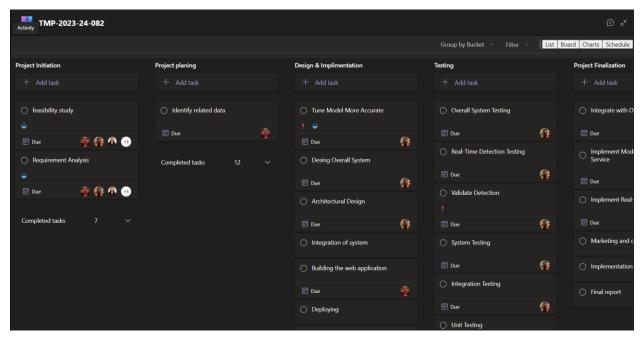


Figure 14: Project Task View of Microsoft Planner

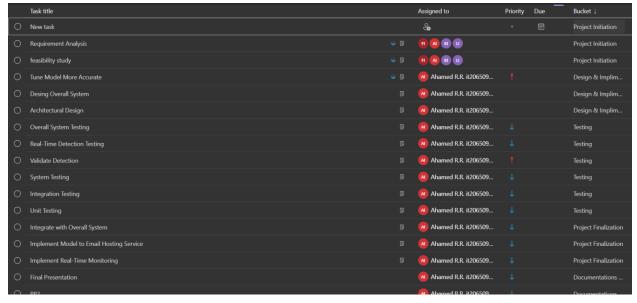


Figure 15: Tasks Assign to My self.

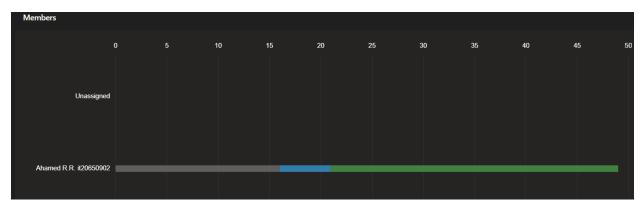
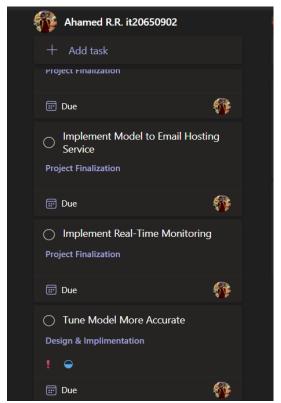


Figure 16: Graph View of Assigned Tasks.

Priority



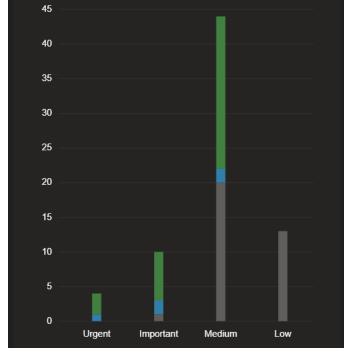


Figure 17: Tasks to be done.

Figure 18: Task Priority Level Graph

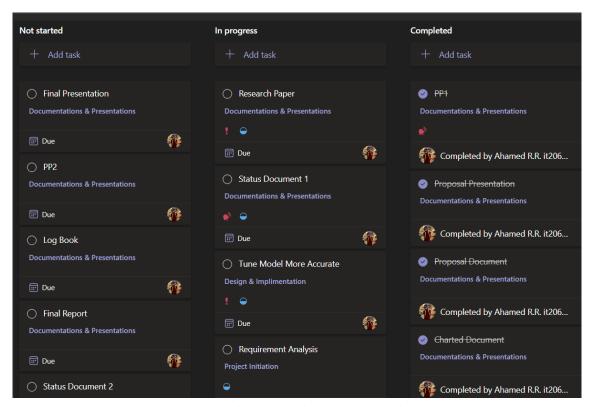


Figure 19: Tasks Not started, in progress, Completed.

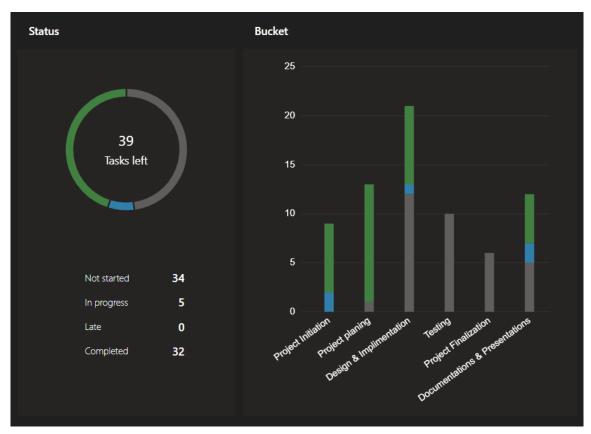


Figure 20: Status & Bucket Graph view of Tasks

Gantt chart

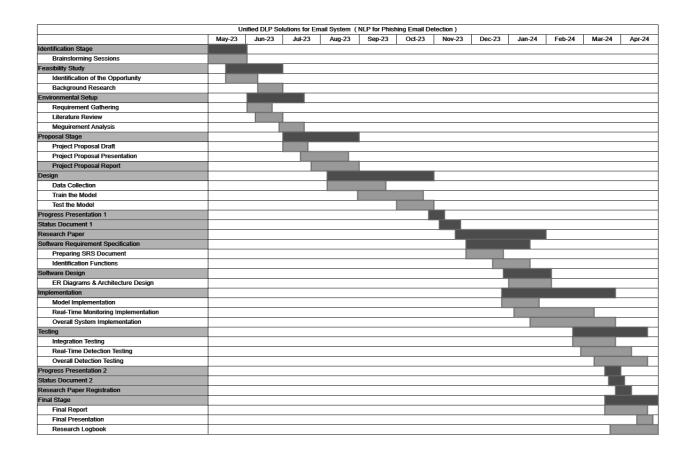


Figure 21: Gantt chart

Work Breakdown Structure (WBS)

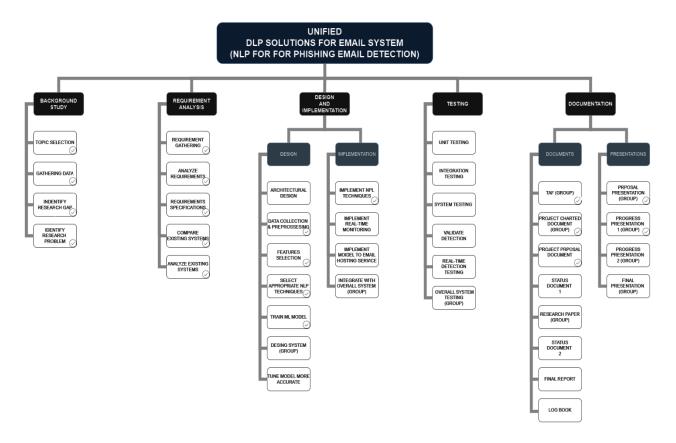


Figure 22: WBS

Git Lab

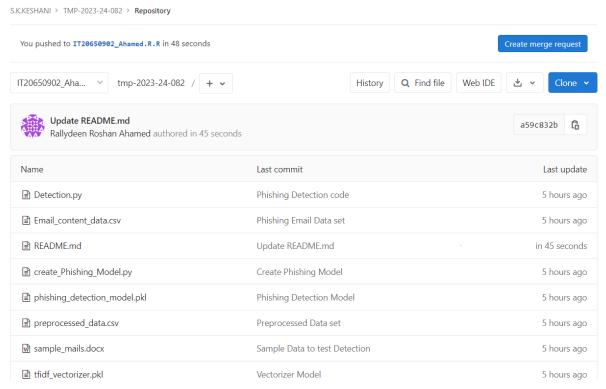


Figure 23: Code Repository (gitlab.sliit.lk)

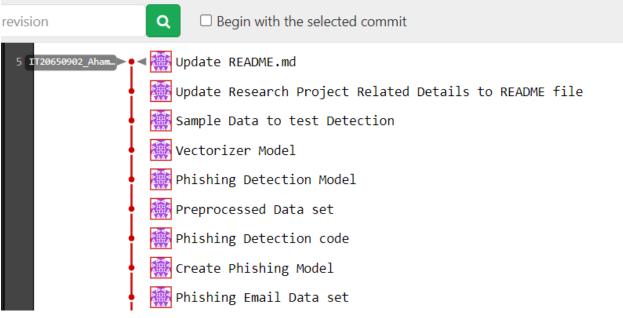


Figure 24: Gitlab Commits

README.md

TMP-2023-24-082

Main Research Topic: Unified DLP Solutions for Email System

Sub Research component : Natural Language Prossesing For Phishing Email Detection

- 1. Main objective To enhance email security and prevent unauthorized access to sensitive email content, safeguarding against data breaches through the implementation of advanced DLP.
- 3. Individual research question-
- I. Traditional methods like rule-based systems may not be capable of identifying phishing emails accurately
- II. Challenge of balancing false positives and false negatives when detecting phishing emails.

False Positives - Legitimate email classify as phishing

False Negative - Phishing email classify as legitimate

- 4. Individual Objectives To develop an effective machine learning model for classifying emails as phishing or legitimate, with a focus on using NLP techniques.
- 5. Other necessary information. Solution: To solve these problem our approach is compared to previous work because it focuses on the natural language text contained in the Email Content, performing semantic analysis of the text to detect malicious intent.

Figure 25: ReadMe File