RAMAIAH
Institute of Technology

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CS65: MINI PROJECT   **TERM: March - June 2024**

GANTT CHART AND PROJET PLAN

2/04/2024

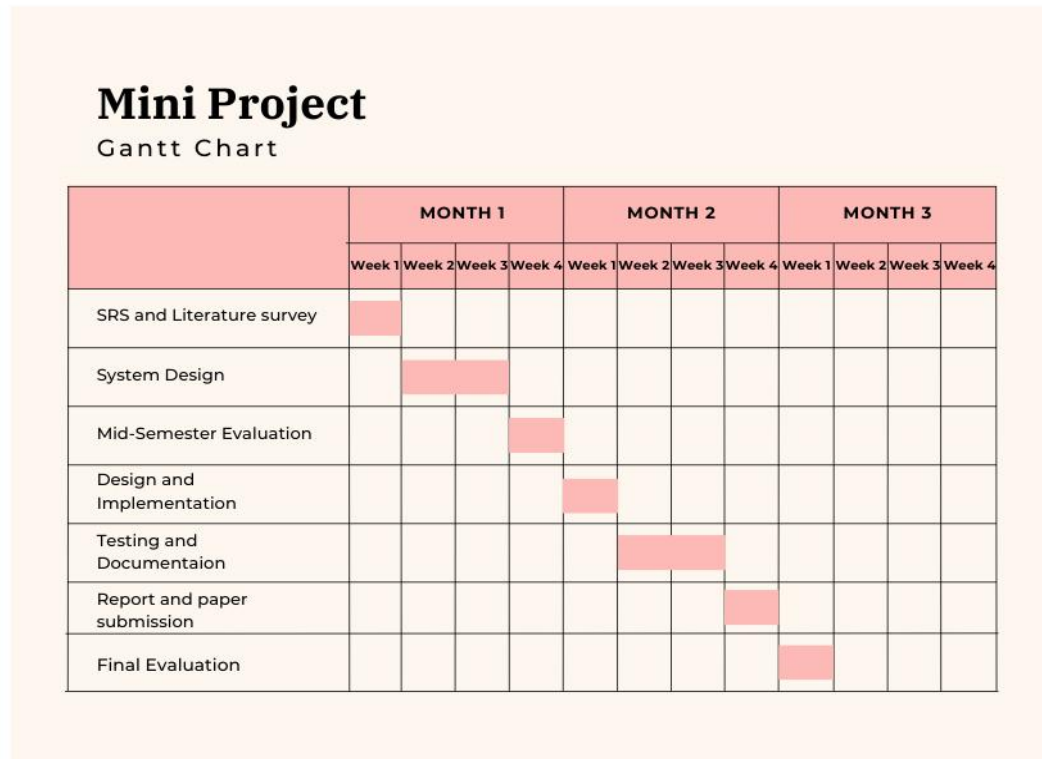# Submitted to
Dr.Sangeetha V

PROJECT TEAM MEMBERS

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Gantt Chart:

Mini Project
Gantt Chart

	Month 1				Month 2				Month 3			
	Week 1	Week 2	Week 3	Week 4	Week 1	Week 2	Week 3	Week 4	Week 1	Week 2	Week 3	Week 4
SRS and Literature survey	■											
System Design		■	■									
Mid-Semester Evaluation				■								
Design and Implementation					■							
Testing and Documentaion						■	■					
Report and paper submission								■				
Final Evaluation									■			

Project Plan:

Week 1: SRS and Literature Survey

An in-depth literature survey on post-quantum cryptography and communication frameworks will be conducted. Concurrently, the Software Requirements Specification (SRS) document will be drafted, outlining system requirements and functionalities.

Week 2-3: System Design

The architecture and components of the post-quantum communication framework will be designed during this phase. This includes defining data structures, algorithms, and protocols to be implemented.

Week 4: Mid-Semester Evaluation

Implement the architecture based on the SAM framework. Define the training process, including loss function, optimizer selection, and training schedule. Train it on the pre-processed dataset with appropriate hyperparameters.

Week 5: Detailed Design and Implementation

Detailed designs for each component of the framework will be developed, and implementation will commence based on design specifications. This phase focuses on translating design concepts into functional software.

Week 6-7: Testing and Documentation

Comprehensive testing will be conducted to ensure the functionality, security, and performance of the framework. Testing results will be documented alongside the preparation of user manuals and technical documentation.

Week 8: Report and Paper Submission

A comprehensive project report detailing objectives, methodology, implementation, and results will be compiled. Additionally, a research paper will be submitted to relevant journals or conferences for publication.

Week 9: Final Evaluation

The completed project will be presented to faculty for final evaluation and grading. This evaluation concludes the project life cycle and assesses its success in meeting the defined objectives.

Guide Comments:

Signature of the Guide with date

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