Project Management Plan of <u>CALCified</u>

1. Project Summary

a. Project Overview

CLACified is a simple application for all users who have to share files or messages in a secured, anonymous and one-time file transfer; which is camouflage like a calculator. It allows the users to share files with a particular mathematical expression using a browser or an executable application both on the computer or smart device.

b. Project Scope

The application provides a secured platform for both senders and receivers of files. This file sharing is completely anonymous thus no login is required, But there is also a login system to track files that are shared by a user where they can log in with a username and password. Upon login, the users can add, edit, and view files they uploaded, adjusting the time to live and status of the file. Data that can be shared are:

- Plain text
- Markdown/Emoji text
- Audios
- Videos
- Documents
- Contacts
- Links
- Locations
- Web pages

Files will be deleted after a 'time to live' for the files or once the files are downloaded by the receiver. We will also follow Continuous integration along with refactoring and mini-releases

c. Development Process

We follow the agile methodology of software development. We will be using a mix of both scrum and XP. We follow the pair programming practice to improve the quality of products and the terms of their delivery. Still, using Scrum methodologies for interchangeable team members roles. The product will be developed in two sprints.

Sprint 1:

The core modules will be developed in this sprint which would include the following functions:

1. The user will be able to use a fully functional calculator.
2. User(Sender) can activate a hidden trigger along with an expression which will be used as a pointer to those files.
3. User(Receiver) can activate a similar trigger with the same expression as a sender.
4. Users will be able to pass text messages without any login

Note: After the first sprint, we will have a template and working system with good looking UI

Sprint 2:

The functionalities will be added, improved in this sprint which includes:

1. The user will be able to use a fully functional **scientific** calculator.
2. Users can send and receive the various type of files using MIME protocol
3. The sender will be able to specify how many people can download a set of files.
4. Try implementing a login system is pro users (in a business context)

2. Team Organization

The team comprises the following persons. We will have a small team, hence we are a cross-functional and self-managing team of peers with one person having an additional role of scrum master who is also a project manager. The following table gives the organization:

Name	**Sprint-1 Roles**	**Sprint-2 Roles**
Mr. Krishnaprasad	Product Owner	Product Owner
Nitheesh Chandra	Scrum master Tester Manager	Scrum master Tester Manager
Padmavathi Patnala	Backend Development Continuous Integration	Front-end Developer UI | UX Designer Tester
Undela Lavanya	Backend Development Tester	Front-end Developer UI | UX Designer
Siva Prasanna Reddy	Front-end Developer UI | UX Designer	Backend Development Tester
Reethesh Venkataraman	Front-end Developer UI | UX Designer Tester	Backend Development Continuous Integration