

# Deployment Manual

**Smart Mail Mentor**  
Read Less, Achieve More – AI



Email Management System(aka)

May 2025

Team 5

# Table of Contents

Introduction .....	(3)
System Requirements .....	(4)
Installation Procedures .....	(5)
Cloning the Git Repo .....	(6)
Starting the Backend Script .....	(5)
Contact Information.....	(6)

# Introduction

This deployment manual assisting the steps to set up the **Mail Management System (Smart Mail Mentor)**, a smart email processing platform combining a **Chrome extension frontend** with a **Python-based NLP backend**.

The system provides Gmail integration, email classification, summarization, and prioritization features in real-time with improved productivity

The deployment Manual provides the instructions to setup the production in real-time environment post meeting the below pre-requisites

1. **System Prerequisites** - The hardware and software you need on your computer before installing the project
2. **Setup Instructions** - Step-by-step guide to install and run the project on your system
3. **Debugging & Troubleshooting** - How to find and fix problems if something doesn't work during setup or usage

# System Prerequisites

## Client (for Chrome Extension)

1. Google Chrome (latest version)
2. Gmail Account with access permissions
3. Internet access

## Server (for NLP Backend)

1. Python 3.8 or higher
2. pip (Python package manager)
3. Virtualenv (recommended)
4. RAM: 8GB+ (for model inference)
5. Disk: 2GB+ free space
6. OS: Linux / macOS / Windows

# Installation Procedure

## A. Chrome Extension Setup

1. Open Google Chrome and navigate to *chrome://extensions/*
2. Enable Developer Mode (top right)
3. Click "*Load unpacked*"
4. Select the Smart Mail Mentor folder from the extracted project
5. The extension icon should appear in your Chrome toolbar

## B. Backend Python Environment (Lightweight Setup)

1. Create a Virtual Environment (Optional but Recommended) – On Windows or VS Code Terminal  
> *python -m venv mail\_env*  
> *mail\_env\Scripts\activate*  
Installing Visual Studio Code ([Steps are self-explanatory for software's](#))
  - Download VS Code
  - Install VS Code
  - Launch VS Code
2. Run the Backend Server – Simple Run  
*python app.py*

The frontend will be accessible on your local browser at <http://localhost:5000>

## Cloning the Git Repo

```
git clone https://github.com/Kaleemunnisa/CS691-Spring2025-Team5.git  
cd Sprint2025-Team5.git
```

## Contact Information

For more information and technical assistance, reach out to [Sathvik](#) / [Piyush](#) / [Rakesh](#)

Reach out to our [Support](#)