**Deployment Manual**

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Email Management System(aka)

May 2025

Team 5

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**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**

1. **Chrome Extension Setup**
2. Open Google Chrome and navigate to *chrome://extensions/*
3. Enable Developer Mode (top right)
4. Click "*Load unpacked*"
5. Select the Smart Mail Mentor folder from the extracted project
6. The extension icon should appear in your Chrome toolbar
7. **Backend Python Environment (Lightweight Setup)**
8. 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](https://code.visualstudio.com/download))

* + - * + Download VS Code
        + Install VS Code
        + Launch VS Code

1. Run the Backend Server – Simple Run

*python app.py*

The frontend will be accessible on your local browser at [*http://localhost:5000*](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](mailto:sathviksamineni798@gmail.com) / [Piyush](mailto:piyush118k@gmail.com) / [Rakesh](mailto:kuchipudirakesh0920@gmail.com)

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