Printables

Feasability Report

Project Idea:

Current Issues:

- Stationery shops on campus offer printing services but become overcrowded during peak times, especially before classes.

- Only two computers are available to send documents to the printers, causing significant delays.

- The current process involves students emailing their documents to the vendor, who then downloads and prints them—this is inefficient and time-consuming.

Proposed Solution:

- Develop a cross-platform website for students to upload their documents, accessible via both phones and laptops.

- The website will allow the students to:

  - Upload document for printing

  - Pay for the print service online

  - Collect the printed document from the shop at their convenience by scanning their student ID card

- On the Vendor side:

  - Develop a desktop application that connects all printers to a single computer.

  - The application will call our API to fetch documents along with the information of the student to label the document for their collection and then it is printed automatically on approval by the vendor.

- Implementation Plan:

- Website**:** Build the website to be cross-platform, accessible via phones and laptops.

- Vendor **Side:** Develop the desktop application using the Printer Spooler API with C++.

- Backend**:** Implement using Python.

- Frontend**:** Build using React.

- Database**:** Use MongoDB for data storage.