General Descriptions
HCMUT Student Smart Printing Service (HCMUT_SSPS)

The Ho Chi Minh City University of Technology (HCMUT), being at the forefront of technological and educational advancements, understands the pivotal role that accessible and efficient resources play in enhancing the academic experience of students. This understanding has led to the conceptualization of the Student Smart Printing Service (HCMUT_SSPS), a novel initiative aimed at revolutionizing how students utilize printing services across the expansive university campuses.

Traditional printing services often involve cumbersome processes. Students typically have to transfer files onto a USB drive, physically go to a print station, and manually set up their print jobs, not to mention the long waiting times during peak hours. With the introduction of HCMUT_SSPS, these inefficiencies are poised to become a thing of the past. The service promises a seamless digital integration, allowing students to remotely access the system, upload their documents, and set their printing preferences, all from the comfort of their own devices.

The HCMUT_SSPS system is meticulously designed to ensure ease of use and flexibility. Once a document is uploaded, students can select from various printers scattered around the campus, ensuring they can always find a nearby machine. This is particularly significant considering HCMUT's sprawling layout with two main campuses and around ten buildings in each. To further the commitment to accessibility, the university has decided to install at least one printer in every building, making sure no student is ever too far from a printing facility.

Beyond mere printing, the system offers a range of customizable settings. Whether a student wishes to specify the paper size, select certain pages, opt for double-sided printing, or decide on the number of copies, HCMUT_SSPS provides these options at their fingertips. Such features not only promote a personalized printing experience but also contribute to sustainable practices by reducing paper waste.

Stakeholders and needs
- Students: Need to use the system to print documents.
- Student Printing Service Officer (SPSO): Need to manage what and how much each student uses the system to print documents.
- IT Staff: Keep track and maintain, upgrade the system.
Benefits
- Students: Students can print documents autonomously for free (unless they use more than the number of default pages), see all of their uploaded files and how much they have printed up to a certain amount of time (i.e a month).
- SPSO: Easily keep track of printing activity in order to have immediate response to any issues that occur and be able to gain data for statistical and other purposes (warranty pur).