

PBL: SIM SCHOOL PASS

How technology can improve the
enroll/re-enroll system of the SIM School
Pass?

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WHAT IS SIM

SIM (Sistema Integrado Mauá) is the name of the company responsible for the public transport in the town of Mauá.

All students are able to get the school pass, those living in Mauá having 100% discount, and those from another place, 50% discount.



BRAINSTORM

In the first step:

- Collected some ideas;
- Discussed each one &
- How we could develop them;
- Which ones would be the best.

We had a lot of ideas about public transport, but decided to focus on the SIM School Pass enroll/re-enroll system, because it's part of our routine, and we have experience with it.

THE PROBLEMS

In the second step:

1

Registration/Re-registration forms are located on another website (the City Hall website) for no discernible reason

2

There is a minimum student/school distance of 2km which is not stated anywhere whatsoever

3

A notable amount of certain documents are needed to get the school pass and ways to obtain them aren't very clear

4

How much helpful would it be for the community as well as the company if the registration/re-registration system were to be 100% on-line?



SOLUTION

We intend to be developing a website that illustrates how we think these issues could be solved, be it through clearly listing the documents needed for one to get the pass, calculating the distance between the student's home and school's address and, of course, hosting the form on the company's own website. All while 100% on-line.

OUR INTENTION

- The SIM School Pass is a student's right and we believe that simplifying/facilitating this process in order to make it more practical will positively affect the community.
- We aren't intending to replace the original, just suggesting and illustrating ideas that may come as inspiration for the official developers when they choose to implement improvements.
- We believe that the best thing would be to integrate the entire process of making and renewing school cards on a website, as this would make it more comfortable and practical for everyone, saving further wear and stress



7 WAYS TECHNOLOGY CAN SIMPLIFY DOCUMENT MANAGEMENT

Available on FileCloud



DOCUMENT MANAGEMENT

Manual handling of documents can be daunting especially as an organization expands. Not only is it time-consuming, but it also reduces the efficiency by which organizations function. Luckily, constant evolution in technology has made it such that better data management systems are in place to deal with volumes of data gathered over time.



7 BENEFITS

1. Efficient and Convenient Retrieval
2. Doubled-up Security
3. Documents Transformation
4. Optimizing Storage Facilities
5. Improved Collaborative Efforts
6. Version Control
7. Cost-Effectiveness

The background features abstract geometric shapes. In the top right corner, there is a green triangle pointing downwards. To its left, there are several overlapping rectangular blocks in a muted green color, which serve as a backdrop for the title text. On the right side, there are thin, light orange lines forming geometric shapes, including a large triangle pointing downwards.

COMPUTER TECHNOLOGY IN THE STUDENT REGISTRATION PROCESS

Available on IvyPanda

PLAN OF ACTION ANALYSIS

The plan of action was developed to improve the student registration process at an college. It involved the introduction of computer technology in the registration process and included an online application for admissions.

RESULTS

- Online registration minimized the use of manual paperwork during the registration process as the shortlisted students were just required to provide proof of identification.
- The registration process became more efficient due to the reduction in the number of registration staff because they were only tasked with the transfer of the students' information to their respective departments. Therefore, the extra staff from the registration desk were reassigned to other tasks.

RESULTS

- Eliminating unnecessary stages of registration and bureaucracy when registering new students was achieved since when a student applied online for admission, most of their information was obtained, and there was no requirement to provide similar papers during the actual physical registration.

DIMENSIONAL ANALYSIS

The main strategy was dependent on providing computing facilities at the registration desk and the provision of a website address that enables the student to access the application forms online.

The use of computer technology mandated the registry staff to learn how to use computers effectively, and this improved their service delivery to new students.

ARTICLES

- **7 Ways Technology Can Simplify Document Management** - Available on <https://www.filecloud.com/blog/2020/06/7-ways-technology-can-simplify-document-management/#.ZBs3zqRv9Pw>
- **Computer Technology in the Student Registration Process Essay** - Available on <https://ivypanda.com/essays/computer-technology-in-the-student-registration-process/>

THANK YOU!

