

**Universiti Teknologi MARA**

**Development of Parcel Management and  
Notification System (PMNS) for Hostel Using  
WDLC**

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“All praises due to ALLAH S.W.T, Most Gracious and Most Merciful”

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## ABSTRACT

Parcel Management and Notification System (PMNS) is developed to the management staff of Kolej Delima at Universiti Teknologi Mara (UiTM). Currently, Kolej Delima is using manual process to manage the student's parcels. The current process is time and energy consuming for staff to register and sent the memo to parcel owner for parcel collection. In addition, it incurs cost to the management in order to provide memo and parcel registration logbook. Besides that, more space are needed to keep the accumulation of logbooks. The possibility of lost memo can happen when the staff slipped the memo under parcel owner room. The objectives of this project are to identify requirements, to design, to develop and evaluate for Parcel Management and Notification System (PMNS). The significance of this project can reduce cost and space to store the parcel information and also can get quick notification through SMS to inform them about the parcel already arrived at the office. This system also helps the management to generate report. This project methodology Web Development Life cycle (WDLC) methodology was need to develop PMNS, which consists of seven phases that includes planning, system requirement, system design, implementation, testing, acceptance and deployment and maintenance. This project only covers until testing phase only. All problems were solved using Parcel Management and Notification System (PMNS) that automatically sent notification for student when the parcel already register. For future work, use bar code scanner to register the parcel and also provide the Email notification for reminder message to make sure the process can be move faster and secure.

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# CHAPTER 1

## INTRODUCTION

This chapter provides details about the project background of the project that illustrate the existing condition and situation to support the project. Problem statement been identified to signify the problem. This chapter also highlights about aim, objectives, scope, and significance of the project.

### 1.1 Project Background

Today, the technology is moving at the faster pace and it is essential that we are able to adapt to the changes that it brings to the society. It is necessary to understand that we are adapting to the changes by anticipating in everything we do with the technological advancement that is available today. Hostels are place for the short-term stay and is cheap for students and backpacker. Usually, one room two to 29 guests, they will share facilities including bathroom, common room, and kitchen (Bunda, 2014). Kolej Delima is an one of the hostel for students that was established in 1984, has three blocks and is located at UiTM Shah Alam, Selangor. The objectives of Kolej Delima is to provide comfortable accommodation facilities for students, support student development program and providing friendly service to customers. The assistance manager for Kolej Delima is Puan Nazirah binti Yacob. According to Puan Nazirah binti Yacob, currently Kolej Delima has 714 students and 7 staff and the parcel collection process is done manually. According to Puan Nazirah binti Yacob, students Kolej Delima like to shopping online and their parcel will post to Kolej Delima office. Currently, when the parcel arrived at office, the staff will received the parcel and record the parcel information in logbook. Next, staff will create a memo for the parcel owner (student) and send the memo to room of the parcel owner. The students will take the memo and go to office to collect their parcel. The management faced difficulty in managing the parcel for the student. The Parcel Management and Notification System (PMNS) for Hostel proposed to help Kolej Delima in managing parcel and make notification for