



UNIVERSITI  
TEKNOLOGI  
PETRONAS

**May 2024 Semester**

**Object Oriented Programming**

**Proposal Parcel Hub System**

**Group name: Parcel Hub**

**Lecturer: Dr Nordin Zakaria**

<b>No</b>	<b>Group Members</b>	<b>Student ID</b>	<b>Course</b>
1.	Muhammad Amier Irfan Bin Muhammad Ali Jr	22007114	Information Technology
2.	Farhan Bin Izam Fairus	22006657	Information Technology
3.	Bat'risyia Diyanah Binti Fadil Sanusi	22011685	Information Technology
4.	Mirza Imran Bin Baharin	22005917	Computer Engineering
5.	Muhammad Ashraf Bin Harris	22001716	Information Technology

### **Project title**

- Parcel Hub System.
- This system will allow user to track and get the parcel easily.
- This system will reduce waiting time at the parcel hub.
- User also can make payment in the system.
- This system allows user to collect point to get promotions on the next parcel pick-up.

### **Expected results**

- User need to key in their tracking number and state the size of the parcel.
- Reduce waiting line at the parcel hub.
- Increase time efficiency.
- Help parcel hub staff to manage parcel easily by knowing the time of parcel ready to be pick-up.
- To reduce the amount of parcel that did not be collected by user.

### **The reason we pick this project**

- It took a long time to pick-up a parcel at the parcel hub due to the slow system.
- There's no space to store the amount of parcel that is arriving every single day due to user that did not collect their parcel.

### **Is it an original project or project that has exist?**

- This is an original project. This is because this project is specifically for University Technology Petronas parcel hub system.

### **What is the difference from projects that has been created**

- The difference from the projects that has been created is our project are focusing to solve the problem that currently our university parcel hub staff is facing.
- The problem is that the student always complain about how the staff are doing their work and it is very tiring for them because they waste a lot of energy just by waiting in line.
- The other problem is that the staff find it hard to search for the students parcel because there is a lot of parcel in a day.
- Students are prohibited to collect their parcel on the same day it arrives due to sorting process.
- The first features that we created is that we have the log in and sign up page for the staff, students and guest.

Second, if the parcel are ready to pick up, the only work for the staff is to scan student's matric card payment in our system or at the parcel hub. This way we will make profit by taking some percentage from parcel hub overall monthly profit.

- Third, if the student or user are exceeding the pickup time, their parcel will automatically return to the seller due to overcrowded parcel in the parcel hub. This method will make the staff work flow smooth.
- For the parcel hub's staff, they can monitor their profit, successful and failed parcel and amount of student that use their service . The main reason why we create this system is to make the processing time faster and to bring a smile to the user and the staff.

**Team members name & tasks/part in the coding**

<b>No</b>	<b>Group members</b>	<b>Student ID</b>	<b>Task/part in coding</b>
1.	Muhammad Amier Irfan Bin Muhammad Ali Jr	22006313	Admin
2.	Farhan Bin Izam Fairus	22006657	Register Parcel, Parcel History, Survey
3.	Bat'risyia Diyanah Binti Fadil Sanusi	22011685	Login, Register
4.	Mirza Imran Bin Baharin	22005917	Payment, Receipt
5.	Muhammad Ashraf Bin Harris	22001716	Customer Information

