



UNIVERSITI
TEKNOLOGI
PETRONAS

PROJECT ASSIGNMENT
OBJECT ORIENTED PROGRAMMING (TEB 1043)
E-HRM

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PROJECT DESCRIPTION

We developed a program called E-HRM coded in Java language and implements object-oriented programming.

This app manages overtime applications, leave application, attendance and payroll records of employees. It also can calculate performance of employee by analyzing attendance and overtime frequency. We designed it to try to simplify HR tasks by managing all the procedures in one place.

YouTube link: <https://youtu.be/2oMHOYcN0TU>

PROFILE

This page will display all the employee's personal details that he/she entered during the registration including their name, matric id number, phone number, address, email, password, and position. There is also one additional piece of information which will be displayed which is the employees' performance. It is calculated by analyzing their overtime hours and attendance frequent.

E-OVERTIME

This page lets the user key in their overtime details such as the date and time of their overtime so that it's easier to keep track of their productivity. The value in the date and time will be inserted into database table 'overtime' in column OT_DATE and OT_HOUR. The total hour of their overtime in a month will be used to display their performance and their salary calculations.

E-LEAVE

This page lets user key in their leave details such as the start date and end date of their leave and how many days they want to apply for a leave. They also can key in for what type of leave that they want to apply for like sick leave or emergency leave. The value that the user key in will be inserted into the databases table 'leave' under the column of start date, end date, days and type.

E-ATTENDANCE

This page manages employee attendance and their check-in/check-out time. It allows employees to input their check-in time and determines whether they arrived on time or not based on a specific time threshold. It also inserts attendance data into a database and provides a way to view the status of the employee's attendance performance.

E-PAYROLL

In this page, calculation for income, deduct and payroll. It will display the income, deduct and final payroll of the user once the user clicks on the display button. Besides that, it will also store the data into Array List name listPayroll.