

Universiti Teknologi MARA

**Mobilizing UiTM Kuala
Terengganu Classroom
Reservation**

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ABSTRACT

Classroom reservations are usually conducted for replacement class or certain event. A classroom reservation system is procedure which has been used widely in academic institution to help management side to manage the reservation. This system is developed for solving the problem that occurs while wants to book the class. The problems are the current web based system does not allow the lecturers to reserve the classes on their own since it is only accessible for the administration. Others problem is desktop or mobile websites, on the other hand, must be accessed via desktop or mobile browsers, and generally take longer to load, which can be irritating for users. The aim of application are developed are to solve that all problem which is to allow the users to reserve the classes on their own. The methods that will use for develop this application are by using mobile application for the platform and the database that will apply in this application is a Private Cloud which is using Platform as a service (PaaS). The finding shows that PaaS is a category of cloud computing services that provides a platform allowing customers to develop, run, and manage applications without the complexity of building and maintaining the infrastructure like a physical server and typically associated with developing and launching an app. For the future work, every classroom will set to the Global Positioning System (GPS) location for more easily to the user to navigate to find the classroom. The users also can view the image of the classroom before make a reservation either that classroom suitable or not. Lastly, user will get the notification when admin sent status of the booking.

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