

UNIVERSITI TEKNOLOGI MARA

**UITM EXAMINATION ATTENDANCE
USING QUICK RESPONSE (QR) CODE**

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**BACHELOR OF COMPUTER SCIENCE (Hons)
DATA COMMUNICATION AND NETWORKING**

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Universiti Teknologi MARA

**Uitm Examination Attendance Using Quick
Response (QR) Code**

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**Final Year Project submitted in fulfilment of the
requirements for
Bachelor of Computer Science (Hons.) Data
Communication and Networking**

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SUPERVISOR'S APPROVAL

UITM EXAMINATION ATTENDANCE USING QUICK RESPONSE (QR) CODE

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This report was prepared under the supervision of the project supervisor, Mr. Albin Lemuel Kushan. It was submitted to the Faculty of Computer and Mathematical Sciences and was accepted in partial fulfillment of the requirements for the degree of Bachelor of Computer Science (Hons.) Data Communication and Networking.

Approved by

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Mr. Albin Lemuel Kushan
Project Supervisor

JANUARY 2, 2018

STUDENT DECLARATIONS

I certify that this report and the project to which it refers is to the product of my own work and that any idea or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

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ABSTRACT

In these day, UiTM still using traditional method in student attendance during examination. However, this old method make student to right down their information and make them take time on fill up the examination attendance slip. Next, invigilator also need more time to take student attendance and check student information by taking student exam slip and check with student's matric card. Therefore, Quick Response (QR) code is used to make the process more reliability and faster to take student attendance and monitor the student who didn't attend to the class or examination. Next, QR code is use in the examination to make the invigilator easier to use and make the process of taking student attendance faster. This project use SDLC method that perform waterfall method to make the phase of the project run smoothly and manageable. This project also used image recognition method to scan the QR code either horizontal or vertical. Based on testing that already conducted the application is run smoothly without having any error or bug. On the other hand, student also agree that QR code is easier, because student didn't require to write their information on the paper instead just bring the QR code along to the examination hall. User of this application also agree that this is easy to understand and use. In conclusion, this project can make the user easier on taking exam attendance to make the process of taking attendance more faster and reliability. For future recommendation, this project need to add some features that can notify the absent student to give letter of reason to HEA staff after the exam by using email and message to the student.