FAVORABLE STUDENT AND BLOCK COMMITTEE FEEDBACK ON THE SELF-DEVELOPED ONLINE ASSESSMENT MANAGEMENT SYSTEM DURING COVID-19 PANDEMIC

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Background:

The reliability and safety of online assessment as well as its fairness to all learners are the main concern during the COVID-19 pandemic.

Summary of work:

We developed and implemented the online assessment management system@PS_PCM using web-based application via http://physiopcm.com to address pain points of other online assessment tools. After passing the feasibility test, the system was used for the mid-block and end of the block tests for second-year medical students during the Endocrinology block and the Medical Neuroscience I block. Student feedback on the online assessment management system@PS_PCM was determined using a five-point Likert scale questionnaire.

Online assessment management system@PS_PCM

ONLINE EXAM

check the GPS position of the student during the exam using Event handler
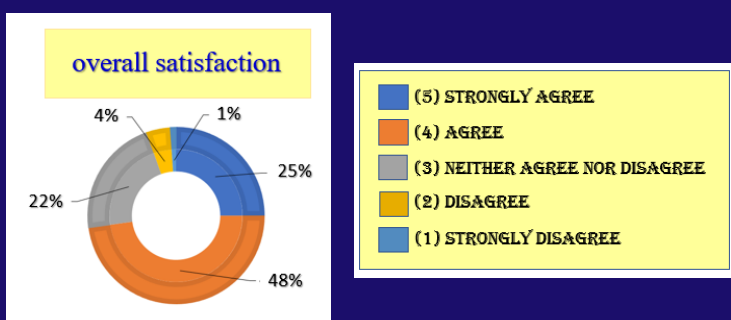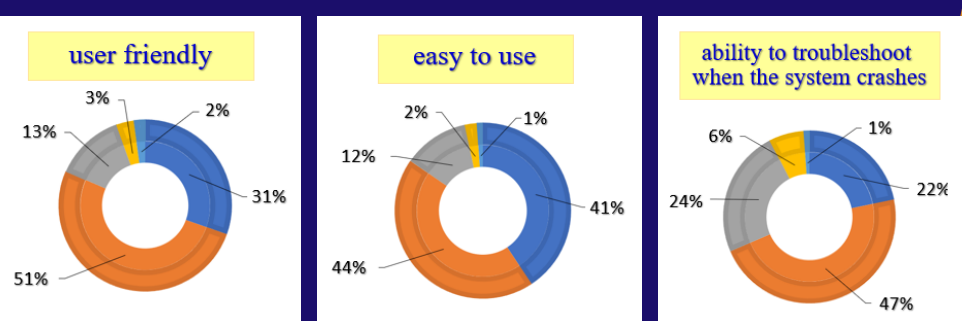
work independently and be accessed from multiple devices

monitor whether the student has logged off to other web pages

รหัส	ชื่อ	ตอบแล้ว	ส่งข้อสอบ	พิกัดเข้าสอบ	พิกัดขณะทำข้อสอบ	คลิกหน้าเพจอื่น
6043026		22	✅	📍	📍	0
6144001		22	✅	📍	📍	0
6144019		20	✅	📍	📍	6
6144020		20	✅	📍	📍	1

This figure shows the GPS position of the student during the exam and monitor whether the student has logged off to other web pages.

Results:

A total of 92 students completed the questionnaire. Majority of students agreed and strongly agreed that the interface was user friendly (82%), the system was easy to use (85%), and students were confident in the ability to troubleshoot when the system crashes (69%). The overall satisfaction was 73%. The block committee satisfied with built-in features of the system including automatic scoring system, answer sheet management system, remote proctoring using event handler to monitor the GPS position of students during the exam, as well as monitoring students who logged off to other web pages.

user friendly
3%, 2%, 13%, 31%, 51%

easy to use
2%, 1%, 12%, 41%, 44%

ability to troubleshoot when the system crashes
6%, 1%, 24%, 22%, 47%

overall satisfaction
4%, 1%, 25%, 22%, 48%

(5) STRONGLY AGREE
(4) AGREE
(3) NEITHER AGREE NOR DISAGREE
(2) DISAGREE
(1) STRONGLY DISAGREE

Discussion and Conclusion:

Majority of students reported a favorable feedback toward the online assessment management system@PS_PCM. Built-in features of this system addresses pain points of online assessment and works well with both iOS and android devices.

Take home message:

The online assessment management system@PS_PCM with built-in remote proctoring is user friendly and easy to use.