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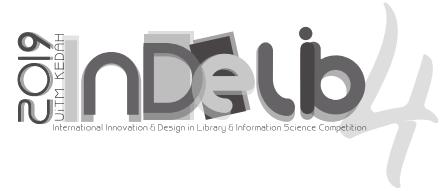
جامعة تكنولوجى مارا
UNIVERSITI
TEKNOLOGI
MARA

Cawangan Kedah
Kampus Sungai Petani

ABSTRACT BOOK



HUMANIZING *InDeLib* in the 21st century



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Cawangan Kedah

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DIVISION & CATEGORY:**INNOVATION**

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ABSTRACT:

TouchLib was an innovative system which was developed using a VB6 programming language and PHP to track records and monitors the library users at Advanced Medical and Dental Institute (AMDI), Universiti Sains Malaysia, Kepala Batas, Pulau Pinang. AMDI is an advanced academic institute recognized for post graduate programmes, high impact research studies and tertiary level clinical services. TouchLib was a unique in-house system; which was designed to be flexible to fit the organisation's purposes, and require no extra investment. This system is advantageous due to its simplicity and cost-effectiveness. A library user is tracked with the tapping (touching) of their identification card (staff or student card) to the Library Automation System that is KOHA. It records the date and time that users are admitted in and out of the library. Here the system combines data from the university's human resource system (HCMS) and the student's database (SMU) to record staff and students' attendance/admission. The system provides a convenient way to recognise registered users, including their photo and profiles from non-registered users; as a requirement before using the library facilities and services. The system is also able to record the loan service activity of any library materials as databased in KOHA. TouchLib system uses an open source database known as "MySQL" which has unlimited record and data storage. Since its inception in May 2018, the system has empowered AMDI library to escalate its programmes and assisted in future plans and upgrading of our services. The latter is made possible by an automated link to a feedback form sent to all tracked users by this system. TouchLib copyright registration number is LY201 8005 416.

Keyword: Attendance monitoring system, TouchLib, User monitoring system, Library attendance monitoring system

Novelty & Uniqueness:

- In house development, simple log-in/log-out program for monitoring user attendance.
- A runtime program – Developed using VB6 and PHP and will run on Windows.

- Open source database - “MySQL” (unlimited record keeping)
- Flexible, accurate and customizable, require no extra costs and unique.
- Can recognize all registered or unregistered members
- Functioning by wireless or wired network.
- The system tracks and displays a user's loan records for 8-seconds as data captured from KOHA library system.
- The system tracks and displays a user's fines record as data captured from KOHA library system.
- The automated link about AMDI Library Users' Satisfaction Survey form will be sent automatically to user email account to all tracked users once a year (setting by system).
- Generate multiple reports produced and accessible via online and kept in the organization server.

Potential Commercialization:

Monitoring attendance in learning labs, computer labs, nurse's offices, athletic trainer's rooms, language listening labs and more is important to ensure statistics are well kept and recorded. Generally, in and out attendance is handled manually by technician or lecturer by writing down the student or staff information, including time and date in attendance form.

To replace and automate the conventional use of paper sheets and old file system method, this time and attendance system is one of the most practical and applicable in real implementation in-line with the nature where most of the systems have been digitalised.

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Category: Innovation- Professionals, Academicians
and Researchers





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