Research

UMP Launches UMPValid8 and Mobile Wallet UMP XChain

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Universiti Malaysia Pahang becomes the first public universities in Malaysia to use Blockchain Technology for UMPValid8 and Mobile Wallet UMP XChain. UMPValid8 is the new application design to validate the authenticity of graduation certificates.

Special features of this technology lies in the data storage where the application data is not kept in single location, but is encrypted and stored in various location using the concept of Distributed Ledger.

With the launching of this app, UMP is introducing a new cashless culture for the campus community where with this app, students and staffs will no longer need to bring money for any transaction made in the campus areas.

According to the Vice-Chancellor, Mobile Wallet UMP XChain is a blockchain based application which enable the students and staffs to pay for the stuff they buy using their mobile phone at selected outlets that took part in this project.

“Each and every transactions data are safely kept and not easily hacked. Payment are made by scanning QR Code or Near Field Communication (NFC) which enables 2 ways communication between devices. The use of QR Code and NFC in all android and iOS devices including Apple Watch makes this mobile wallet app much easier to use,” he elaborates further.

Besides mobile wallet, UMP also launches UMP Valid8, an application designed to verify the authenticity of a graduation certificates using the QR Code. Each certificate will be embedded with a unique QR Code to ensure it is original. When the QR Code is scanned, it will appear the details of the student such as picture, full name, programme and graduation year. Student’s education record or data will be stored in this system. This system is plan to be used in this coming 2018 convocation ceremony.

This is a collaboration project between IBM Centre of Excellent (IT experts), UMP Alumni and Faculty of Industrial Management (Supply Chain expert) with Bank Muamalat as the consultant. With the experts in house, UMP is ready to offer Blockchain Certificate Authentication service to any institutions or agencies, local or abroad that interested to collaborate.

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