

## WHEN

The UWI Open Campus will issue Verifiable Credentials Between July 2021 and July 2022 as part of a one-year project sponsored by the InterAmerican Development Bank. Students will have the option to print their digital credential if they wish to have a hard copy.

## BENEFITS OF VERIFIABLE CREDENTIALS

Verifiable credentials have several benefits to both the holders of the credentials and the end users such as employers and educational institutions.

- Private - Verifiable Credentials are private.
  1. The credential holder can choose what attributes of their identity they want to disclose. For example, they could show their birth year without disclosing the day and month they were born.
  2. The credential holder is always in control of the relationship with ID Verifiers. They know what data was shared and when (there is an audit trail) and can revoke that relationship at any time.



3. By leveraging blockchain technology, Verifiable Credentials establish trust between the parties and guarantees the authenticity of the data and attestations, without actually storing any personal data on the blockchain.

- Tamper-proof - They are tamper-proof using cryptography.
- Mobile - Verifiable Credentials can be verified anywhere, at any time. Even if the issuer does not exist anymore.
- Portable - Verifiable Credentials are yours to store in your wallet and share with whomever you want. The ID Holder is not "locked-in" to the organisation who issued the credential.

FOR MORE INFORMATION  
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**UWI**  
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# VERIFIABLE CREDENTIALS



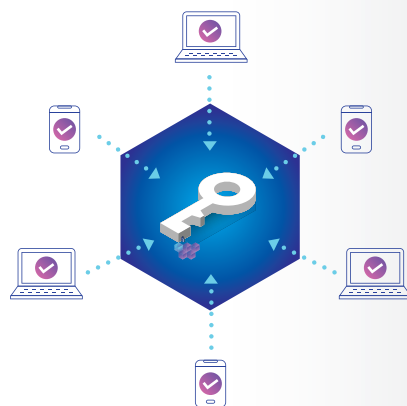
## WHAT ARE VERIFIABLE CREDENTIALS

Credentials are part of our daily lives: driver's license, passports, CXC qualifications, and work identification cards are just but a few credentials that we use on a regular basis. In order to use these credentials, someone, such as a security guard or something, such as a machine has to verify that they are authentic. Over the years, people have found ways to breach these credentials. Education credentials in particular have suffered from falsification and tampering.



The block chain revolution has come to the aid of the education sector with the promise of providing tamper-proof credentials that facilitate student ownership, control and use of their academic records. This means students can share their official records directly with anyone and have them be trusted as authentic and verifiable.

Verifiable Credentials allow an individual to obtain identity information about themselves in a blockchain-based cryptographically protected digital format that is strongly bound to the person. This makes identity theft more difficult, while simultaneously giving the person more control over who has access to their digital identity information. This method allows the recipients to verify its authenticity, thus providing significant advantage over current approaches.



## HOW

Verifiable Credentials are issued to students who successfully completed an Open Campus Continuing and Professional Education (CPE) course. When a course is complete, students will receive an email notifying them to request a copy of their verifiable credential using the REM ID App. After their request is submitted, the verifiable credential will be sent directly to the student's REM ID Wallet.

The UWI Open Campus will have access to the REM BIZ platform, a virtual server that is integrated to a Blockchain platform with the capability to issue credentials for CPE courses.

Students will have access to a mobile App REM ID to manage all of their credentials.

## WALLETS

Verifiable credentials use the concept of an electronic wallet to manage the credentials. There are two types of Wallets: Mobile Wallets and Web Wallets. Mobile Wallets store Verifiable Credentials on the recipient's mobile device along with all of his/her personal data.



No personal information of the user is stored on the issuer's server. The other option is the Web Wallet. With this option, no App download is necessary and the user's data is encrypted and saved in a secure personal cloud vault controlled by the user. Verifiers can easily connect to the user's Web Wallet and request the data directly from the user.