Introduction

A blockchain-based Credentialing System for the Education Sector

Dear lifelong learner,

We are conducting a survey as part of a research study to increase our understanding of learners' requirements in today's learning credential system. In this survey, we define learning credentials as: transcripts, certificates, qualifications, micro-credentials, learning badges that signify satisfactory completion of the requirements for any educational program.

As a college student (or graduated life-long learner), you are the holder and user of various credentials. Therefore, your perspectives will provide first hand information and make great contribution to this research. So thank you for attending this short survey.

An ethics approval has been granted by the Monash University Human Research Ethics Committee. To know more about this project, please read the project explanatory statement

The following 10 multiple-choice questions will only take you around 7 minutes. Thanks for your time and participation

If you have any questions, please contact our co-Investigator:
Zoey Ziyi LI (email: ziyi.li@monash.edu)

I have read and understood the Explanatory Statement and I
hereby consent to participate in this project.

○ Yes
○ No

Demographic Data

Section One: Demographic Data

What is your study or employment status?

I am	[dropdown]
which year?	[dropdown]
Part-time or full-time	[dropdown]

In which country do you currently reside?

[dropdown]

Which sector can best describe your industry?

[dropdown]

What is the highest degree you have received?

[dropdown ▾]

Getting, Managing and Sharing Credentials

Section 2: Obtain, Manage and Share Credentials

Note:
In this survey, we define learning credentials as: transcripts, certificates, qualifications, micro-credentials, learning badges that signify satisfactory completion of the requirements for any educational program.

1. What are the reasons for you to pursue learning credentials?

*Please drag and drop to change the ranking in order of relevance to you, where **1** represents "most relevant" and 5 represents "least relevant."*

| To upgrade my degree and enrich my resume |
| To keep my professional skills up-to-date |
| To change my current career trajectory |
| To earn better salary |
| To follow my passion and interest. |
| Other Reason [   ] |

2. What makes a credential attractive to you? What are the key factors that can add value to a certificate?

(select up to three)

☐ The School's reputation and alumni community
☐ Curriculum and teaching methods are engaging
☐ Easy to access (e.g. close to home, or online learning)
☐ Affordability (cost fall in my budget)
☐ related to promising industry
☐ improve my employability
☐ [   ] Others

3. Your attitude towards getting learning credentials:

Please rate in terms of how much you agree or disagree with each statement.

	Strongly agree	Somewhat agree	Neither agree nor disagree	Somewhat disagree	Strongly disagree
(1/3) I believe credentials are important proof of my learning experience and professional skills.	○	○	○	○	○
(2/3) As long as I need it, I'm always happy to spend time and money to get a new credential.	○	○	○	○	○
(3/3) Learning procedure and working experience are more important than credentials.	○	○	○	○	○

4. Your attitude towards **managing** learning credentials:

Please rate in terms of how much you agree or disagree with each statement.

	Strongly agree	Somewhat agree	Neither agree nor disagree	Somewhat disagree	Strongly disagree
(1/3) I believe it is crucial to keep credentials safe and secure	○	○	○	○	○
(2/3) I worry about losing or damaging important credentials	○	○	○	○	○
(3/3) If I lost or damage my credential, I always know how and where to get it recovered	○	○	○	○	○

5. Based on your own experience, how and where do you **store** learning credentials?
(select all that may apply)

Digital Credentials

☐ Save one copy on my phone

☐ Save one copy on a hard drive or USB

☐ Send one copy to my email box

☐ Use Cloud storage

☐ Use a locker/password for assessing

☐ Store in an encrypted folder on my personal computer

☐ Other way (please specify)

Paper Credentials

☐ print several copies for physical storage

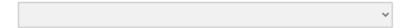☐ Scan and save as digital versions using above-selected methods

6. When being asked to provide **certified copies*** of your credentials, what is your own experience?

* These are copies of important documents which need to be certified as true copies of the originals by a person authorised to do so.

Please rate in terms of how much you agree or disagree with each statement.

	Strongly agree	Somewhat agree	Neither agree nor disagree	Somewhat disagree	Strongly disagree
(1/3) I am clear about the steps of certifying my credentials	○	○	○	○	○
(2/3) It is a necessary procedure to prove my documents are authentic	○	○	○	○	○
(3/3) I don't really want to pay the cost of certifying credentials	○	○	○	○	○

7. Based on your school enrolment or job commencement experience, how much time have you spent on preparing certified documents?

[⌄]

8. Which procedure is most time-consuming?

Please *drag and drop* to change the *ranking*, where 1 represents "most time-consuming", and 5 represents "least time needed."

Learn the certifying procedure (maybe due to your first time)

Print or scan all the required documents

Find the authoried certifier
Translate documents into required language
Send or share the certified documents to verifier

9. When sharing credentials with verifiers (e.g. institutions or employers), what do you mostly concern about?

Please rate the following in terms of how much you agree or disagree with each statement.

	Strongly agree	Somewhat agree	Neither agree nor disagree	Somewhat disagree	Strongly disagree
(1/3) I always choose to trust the verifier's identity	○	○	○	○	○
(2/3) I know how the verifier will use my credentials	○	○	○	○	○
(3/3) I worry about my privacy leakage to a certain extent	○	○	○	○	○

10. If you have a digital wallet to organize all learning credentials, what functions would you like to see?

☐ It can help me retrieve and store credentials from different learning platforms

☐ It can help me to manage all my credentials easily and securely

☐ I can have fully control and ownership of all of my credentials

☐ I can choose different disclosure to different verifiers

☐ It can help me to generate personalised resumes automatically

☐ It can help me to calculate learning credits and track learning progress

☐ [   ] Other ideas

Are you interested in further discussion about this project?

We will arrange an interview discussion time with you. You will have a chance to get double incentives: 1. Prize draw with $50 voucher for the survey; 2. Extra $15 voucher for sure for the interview participation

○ Yes (you will be asked to leave your contact details)

○ Skip

There will be a prize draw ($50 voucher) conducted after the survey is closed. Do you want to take part in this?

○ Yes (you will be asked to leave your contact details)

○ No

Question Tour Block 2

Please leave your contact details below

Your name

Email address