



# Installing **BLOCKCERTS**

For Year 11 students at SGPC Hamrun Secondary

By Mr A. Magri



# Three Easy Steps to complete



- **First, download the free Blockcerts Wallet Mobile app.**

You will receive an email from the Ministry for Education, Sport, Youth, Research and Innovation (MEYR) inviting you to download your free Blockcerts Wallet app from your phone's App Store. Once it's installed, it's recommended that you copy your secure passphrase and store it somewhere safe. The passphrase lets you prove that you own your certificates if you ever delete the app or lose your phone.

- **Next, add the Ministry for Education, Sport, Youth, Research and Innovation (MEYR) as an issuer.**

Once you have installed the app, from the same device where the Blockcerts Wallet app is installed, click the link in the email to add the Ministry for Education, Sport, Youth, Research and Innovation (MEYR) as an issuer. You only need to add them once; after that, they can send you as many certificates as you earn.

- **Finally, add your certificate to the app.**

When it's time to receive your certificate, you will receive a second email from the Ministry for Education, Sport, Youth, Research and Innovation (MEYR) with your actual certificate attached. This file is your real blockchain certificate; it is recommended to store it wherever you store your other important data files. You can also click the link in the email to add the certificate to your app, which makes certificate sharing and online display easy.

# Download Blockcerts

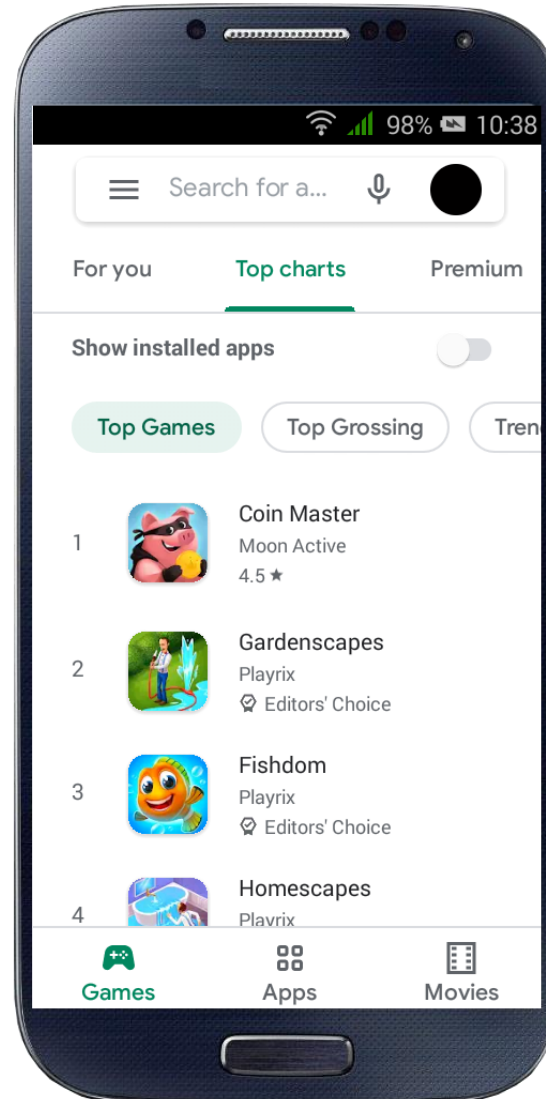


More instructions on the school website <https://sgpc.hamrunsec.skola.edu.mt>

# Using Android

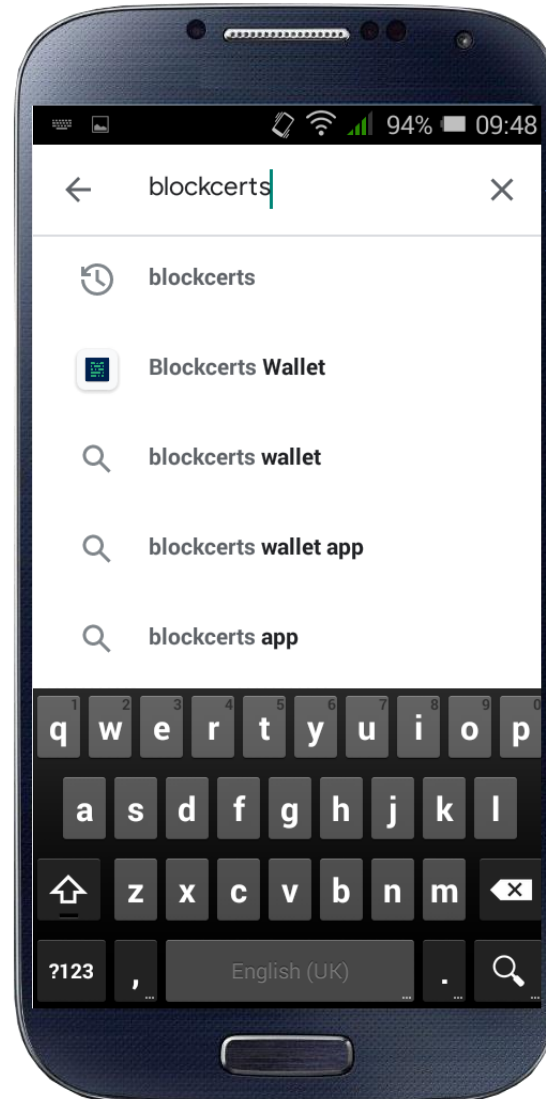


From your smartphone  
Go to **Google Play**



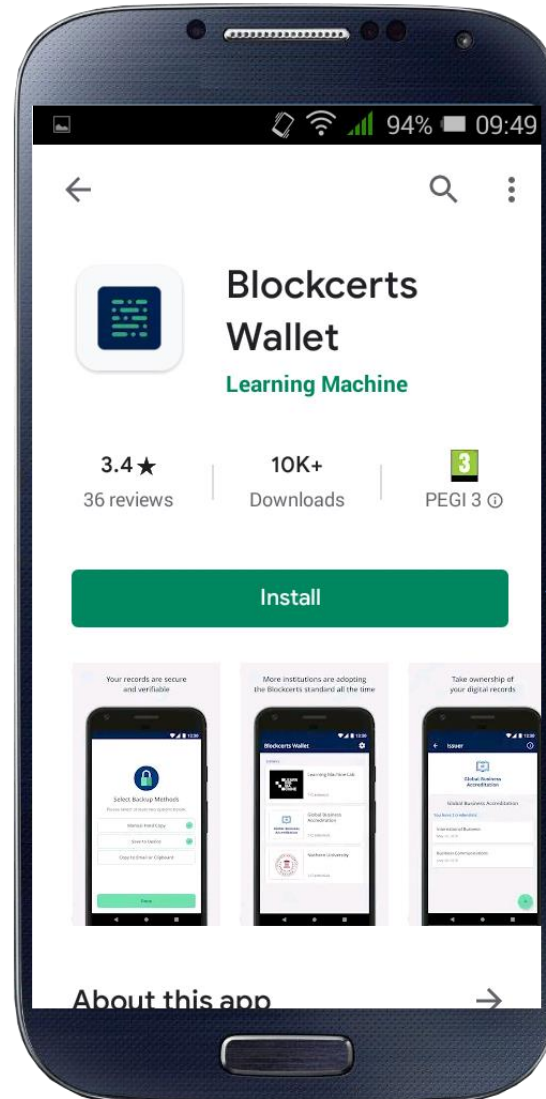
Search for Blockcerts Wallet

# Search for Blockcerts



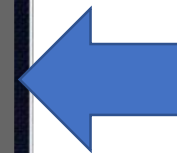
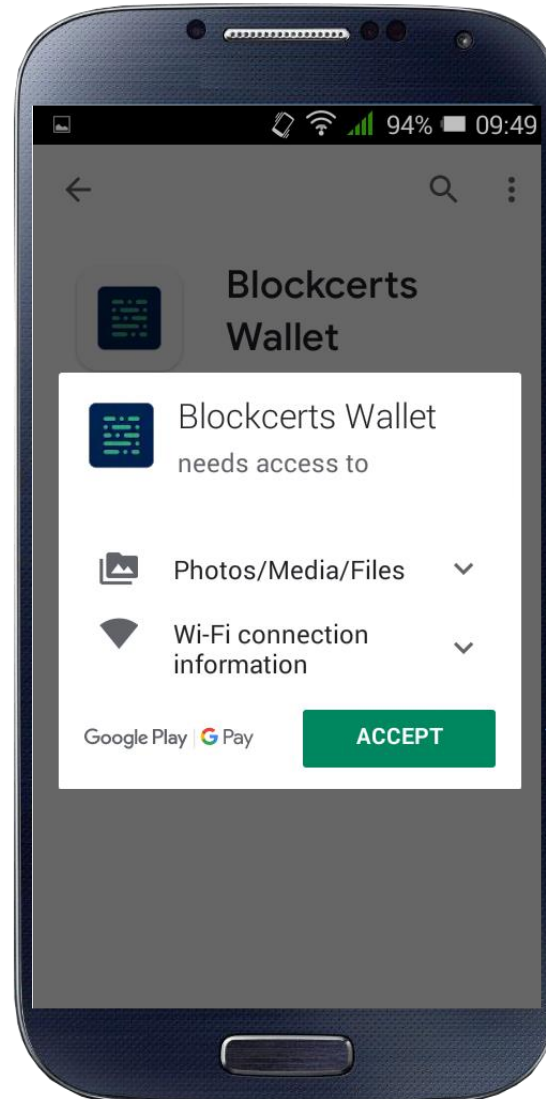
Search for Blockcerts Wallet

# Install the application



Click **Install**

# Permissions

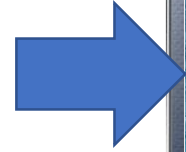


Click on **Accept**

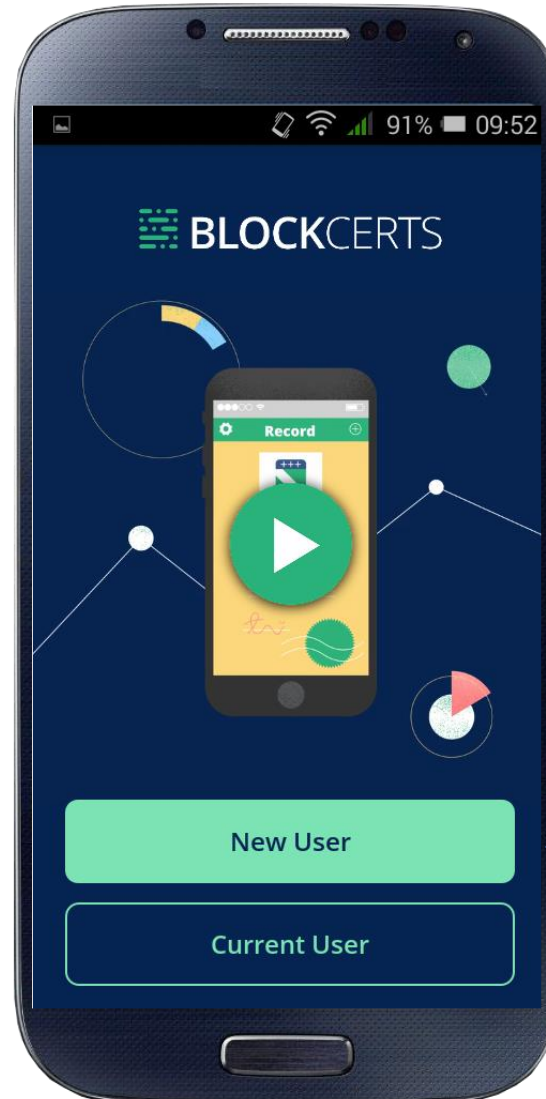
# Open Blockcerts



Click on the **Blockcerts** App

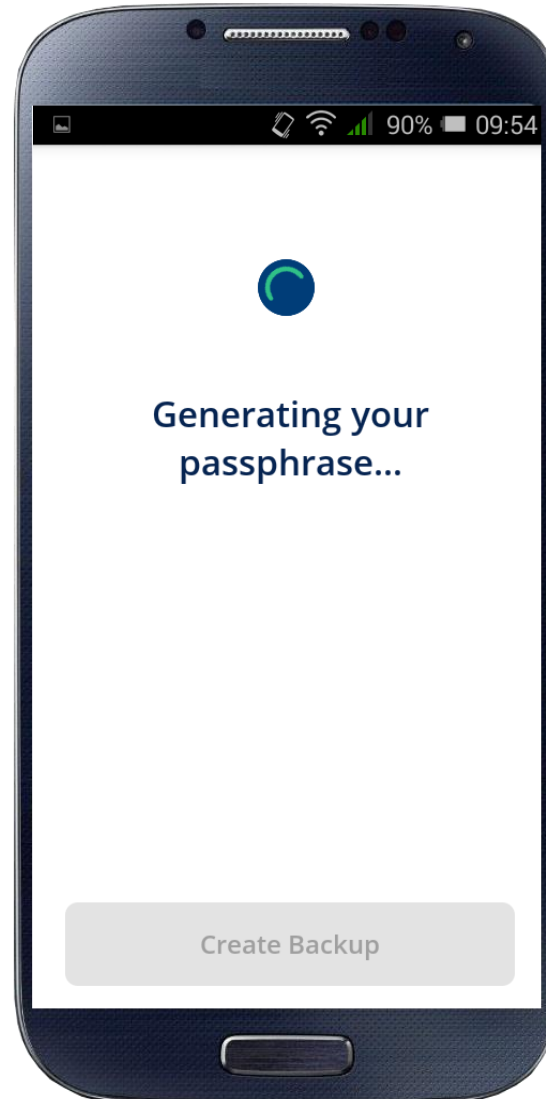


# Create a new user



Click on **New User**

# Wait for the Passphrase...



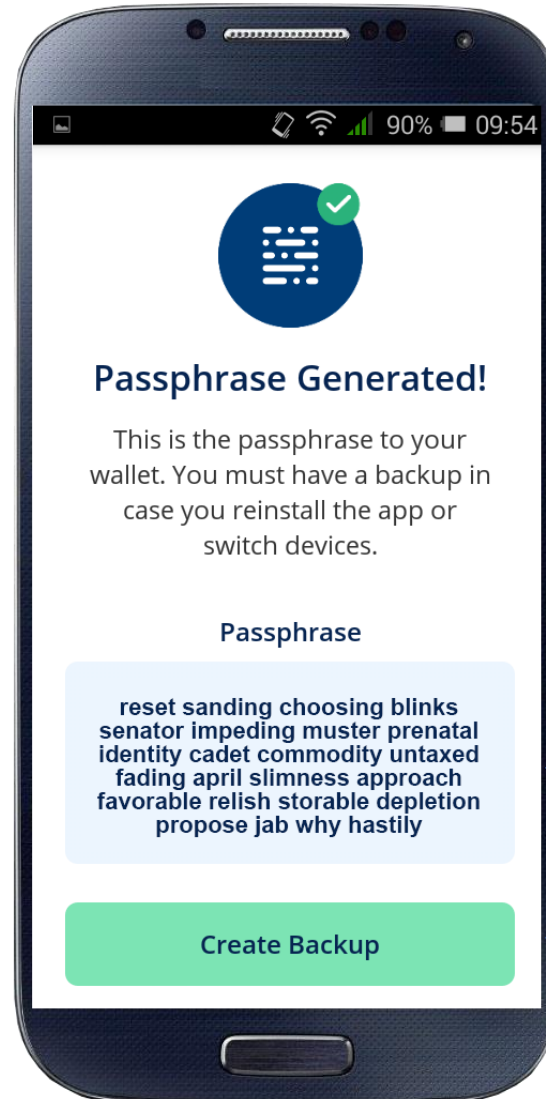


# The Passphrase is important!

The passphrase is made up of words.

It's important to keep a copy of this.

It is also important to note that all the words are in small caps and there is one space between each word.



This is your **Passphrase**

Click on **Create Backup**

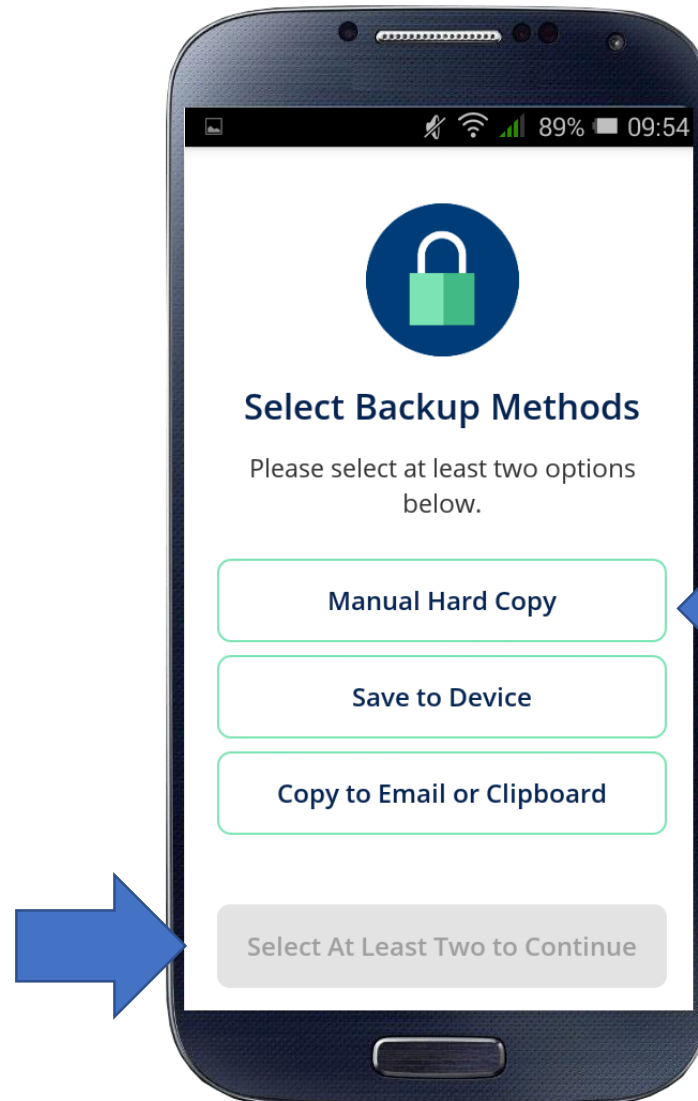


# Select Backup Methods

Here you are asked to select at least 2 options out of the 3 available.

I suggest selecting all 3.

Note that you cannot click on the button below until you select at least 2 options.



Select **Manual Hard Copy**

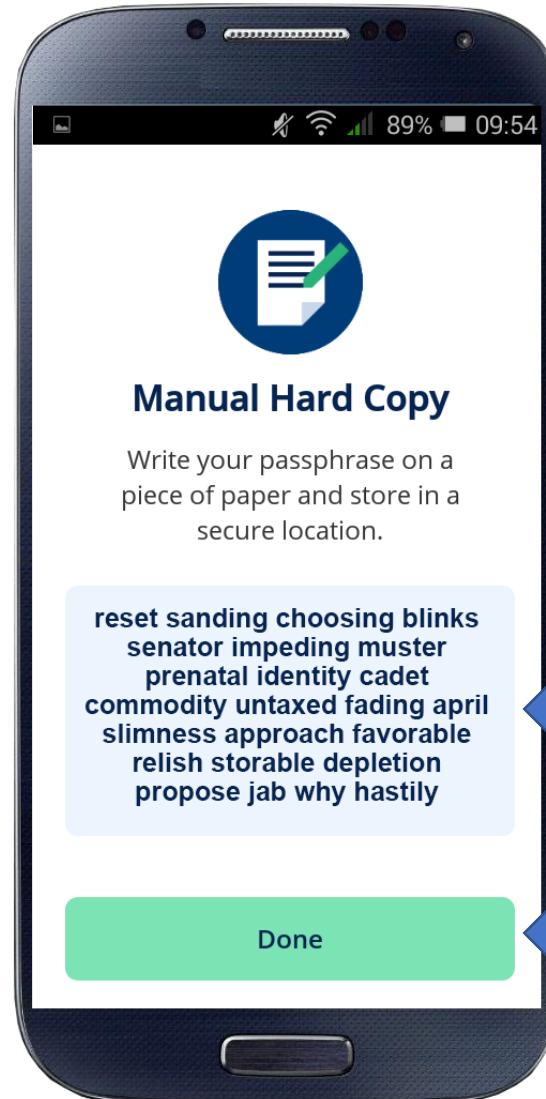


# Manual Hard Copy

Old fashioned pen and paper.

Copy this Passphrase and keep it somewhere safe, like a diary.

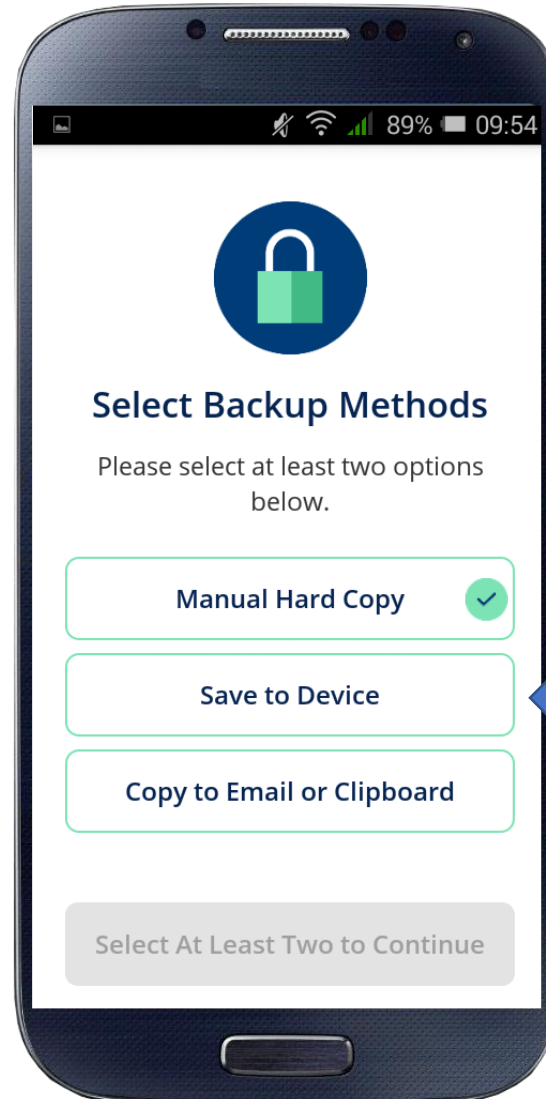
When you change your smartphone, you will need this to reinstall Blockcerts and get your certificates.



Copy the **Passphrase** on paper

After copying click **Done**

# Select Backup Methods



**Select Save to Device**

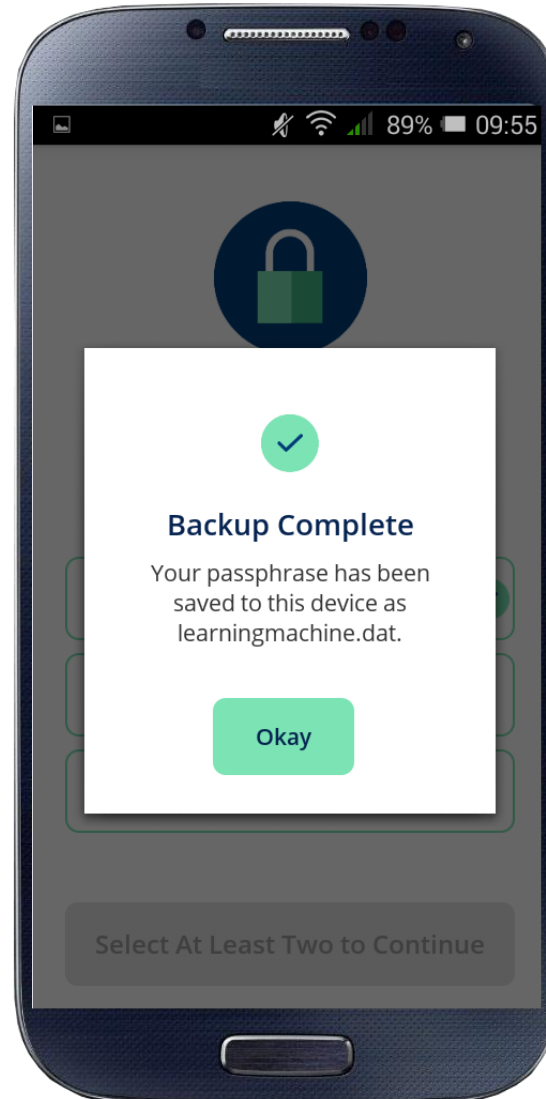


# This is an easy step – just click **Okay**

A copy of the Passphrase will be saved on your smartphone.

The name of the file where the Passphrase is saved is called:

**Learningmachine.dat**



Click on **Okay**

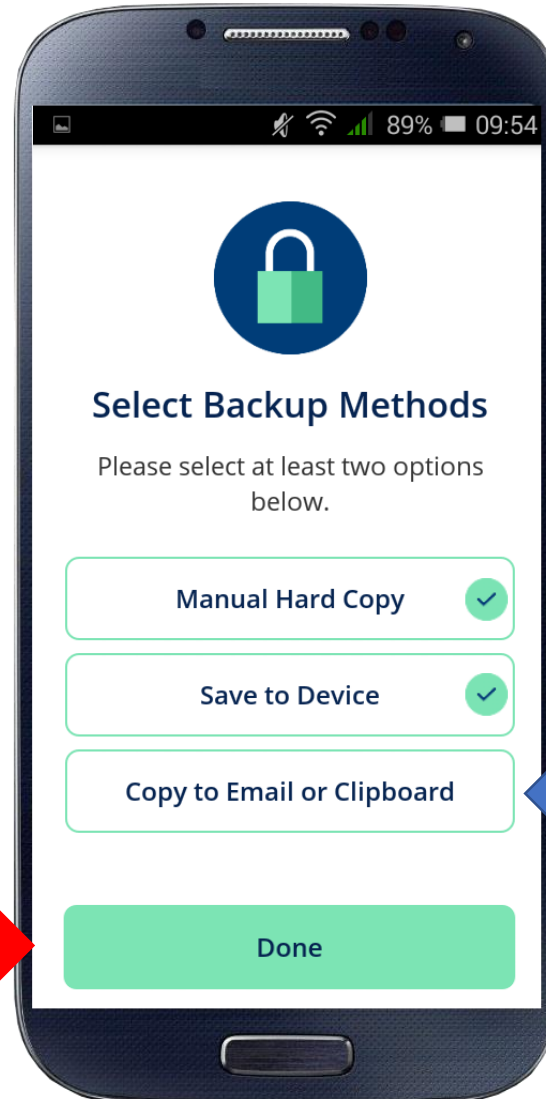
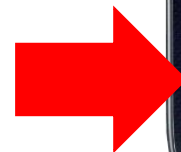


# Select Backup Methods

The **Done** button will appear; however, do not click it just yet.

First click on **Copy to Email or Clipboard**

**DO NOT** click **Done** for now



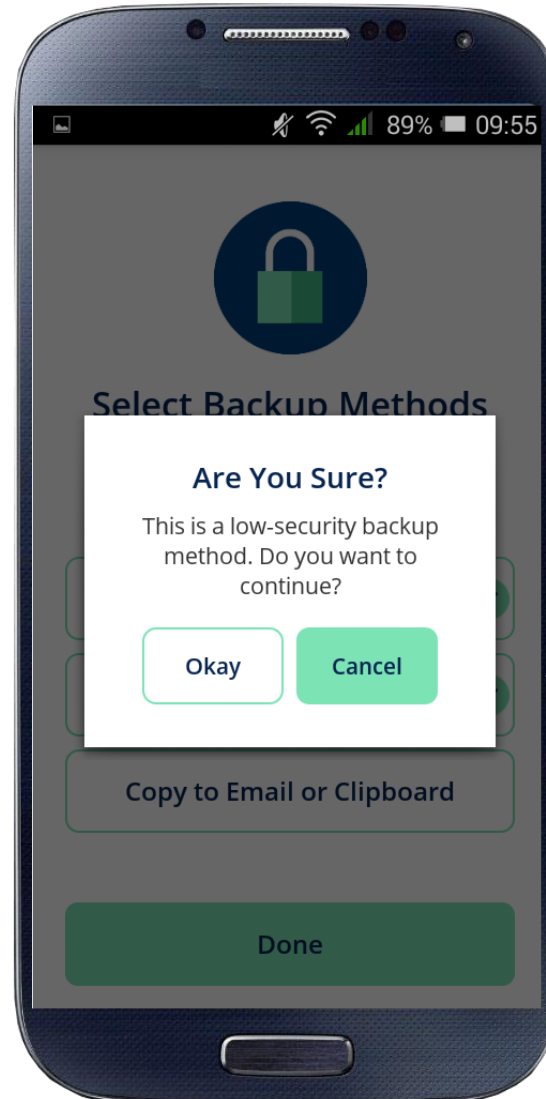
Select **Copy to Email or Clipboard**



# Copy to Email or Clipboard

You will be warned that this is a low-security backup...

However, let's face it, if you lose your smartphone and lose the paper where you copied your Passphrase, you won't be able to access Blockcerts and your certificates.



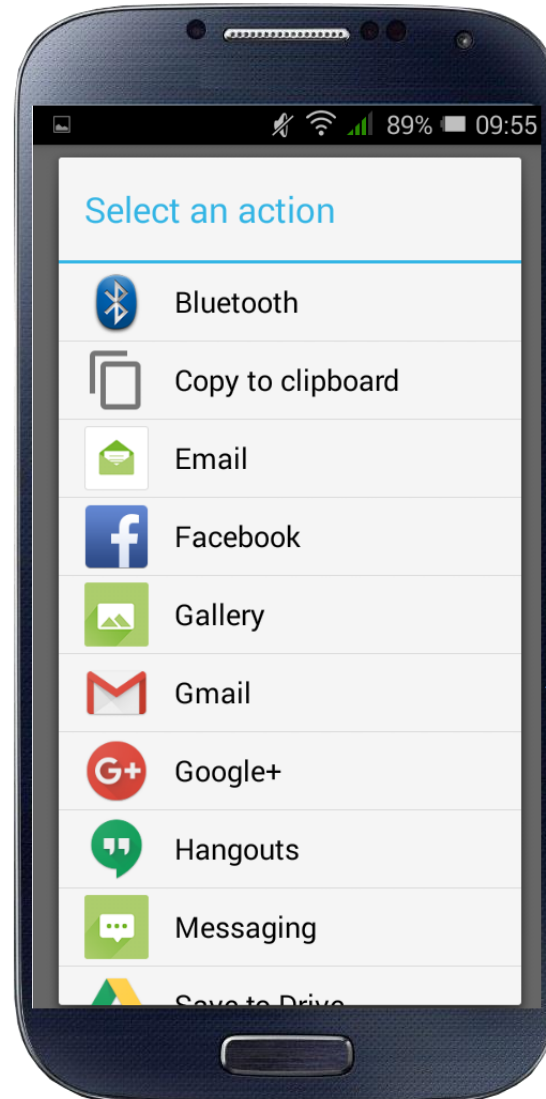
Select **Okay**



# Select an action

If you're using Android and you have Gmail set up on your device – send the passphrase to yourself.

If you lose your device, you can always log into your Gmail account to retrieve the Passphrase.



**Select an action**

# Email Passphrase

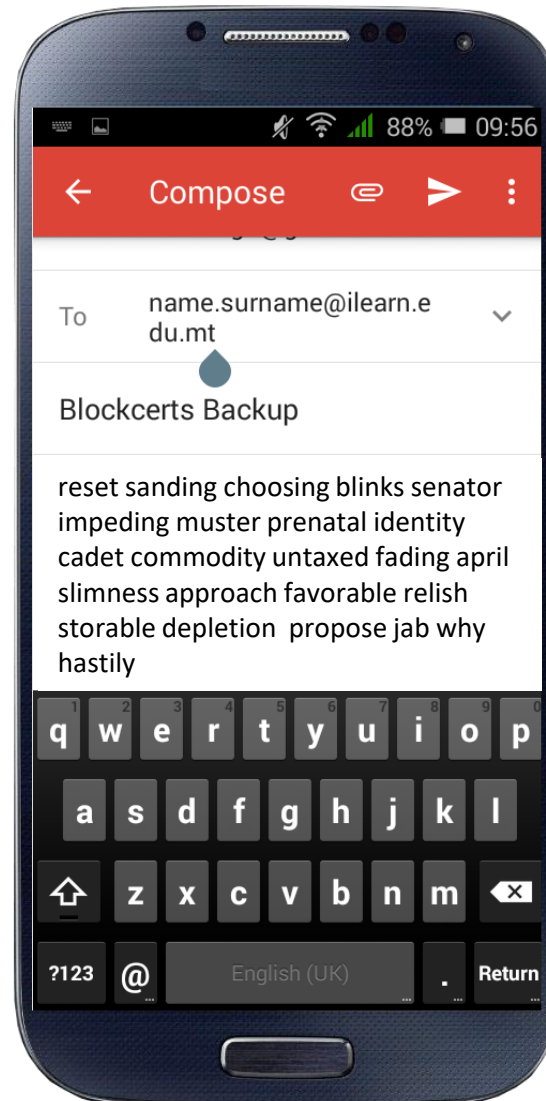


Here, I am using Gmail.

The Subject “Blockcerts Backup” and the Passphrase will be pasted automatically.

All you need to do is type your own email address. Here, I am using a fake iLearn email address.

Mr A. Magri



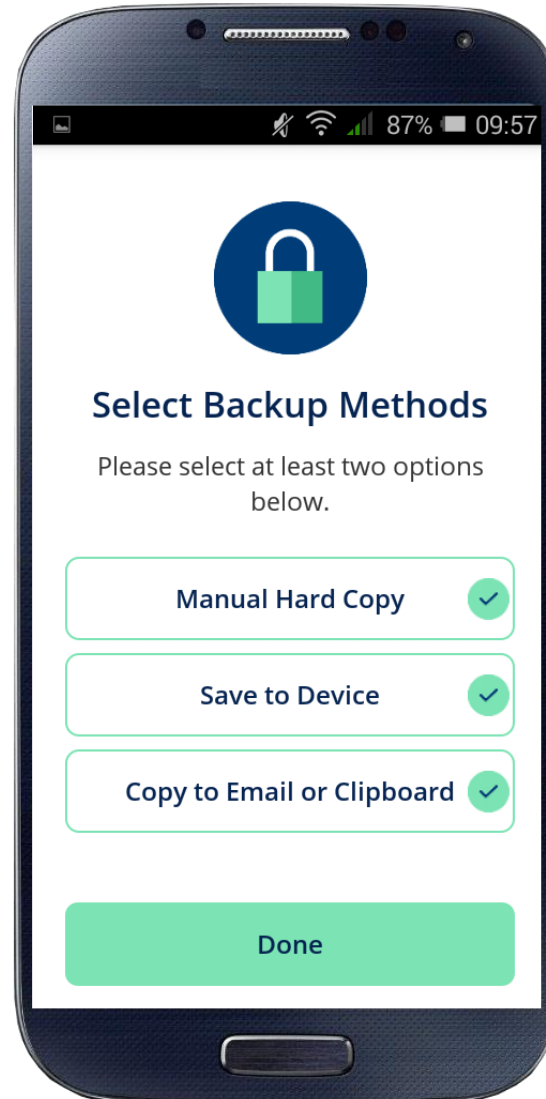
Then click on **Send**.

First type **YOUR** email address

# Select Backup Methods



Once you have completed all three options. It is now time to finalise the installation.



All three have been completed. You're good to go.

Click on **Done**

# That's all – Blockcerts is installed!

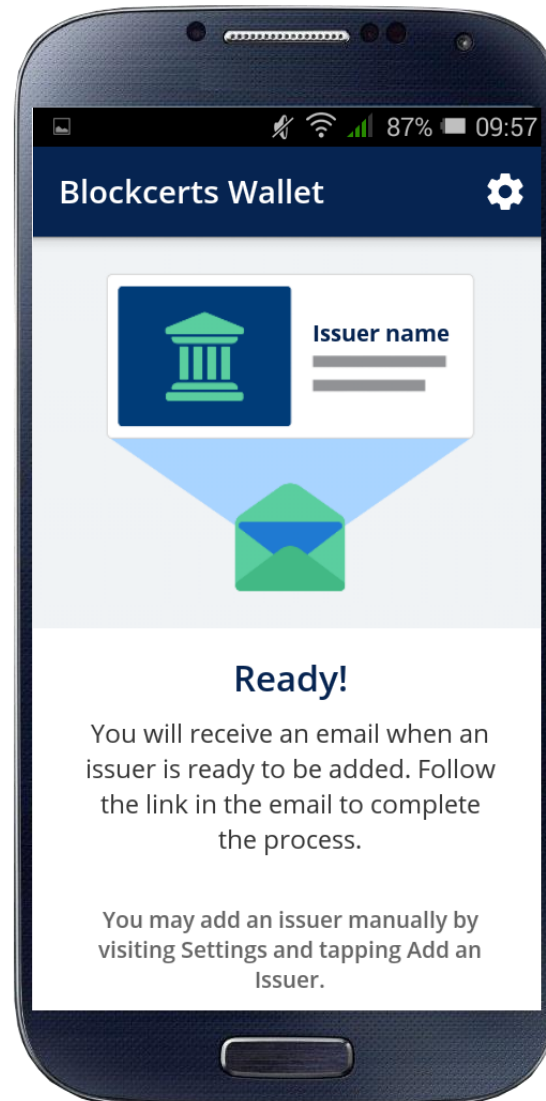


If you arrived this far – you have succeeded in installing Blockcerts.

You will receive an email from:

**[certificates.mede@ilearn.edu.mt](mailto:certificates.mede@ilearn.edu.mt)**

You will need to access this email on your smartphone.

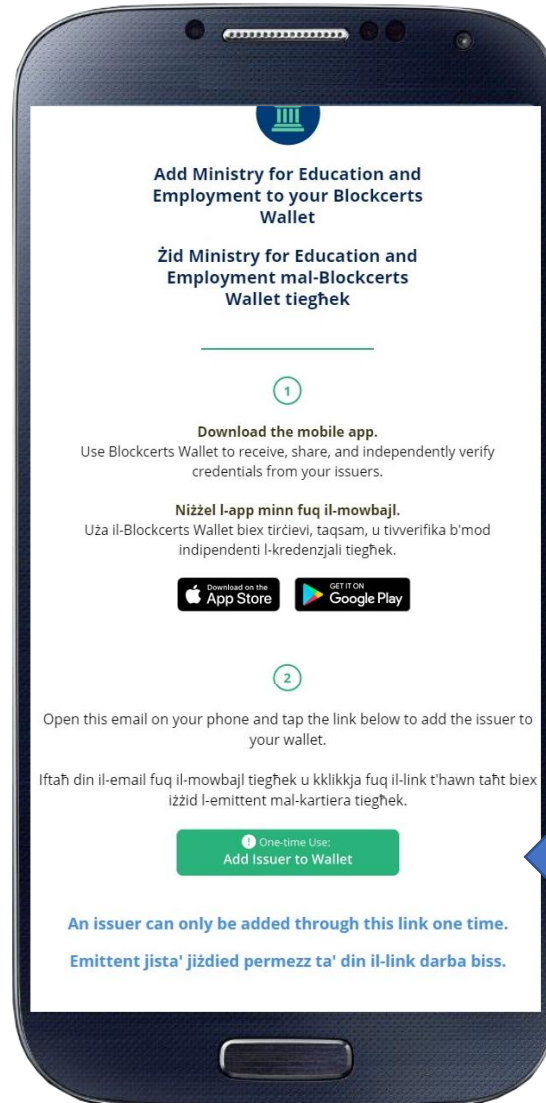




# The email you will receive

This email will be sent to your iLearn account. You will need to access iLearn on the smartphone where Blockcerts is installed.

You can **ONLY** use the link once.



Sample email from  
[certificates.mede@ilearn.edu.mt](mailto:certificates.mede@ilearn.edu.mt)

Click on **Add Issuer to Wallet**

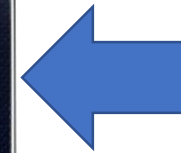
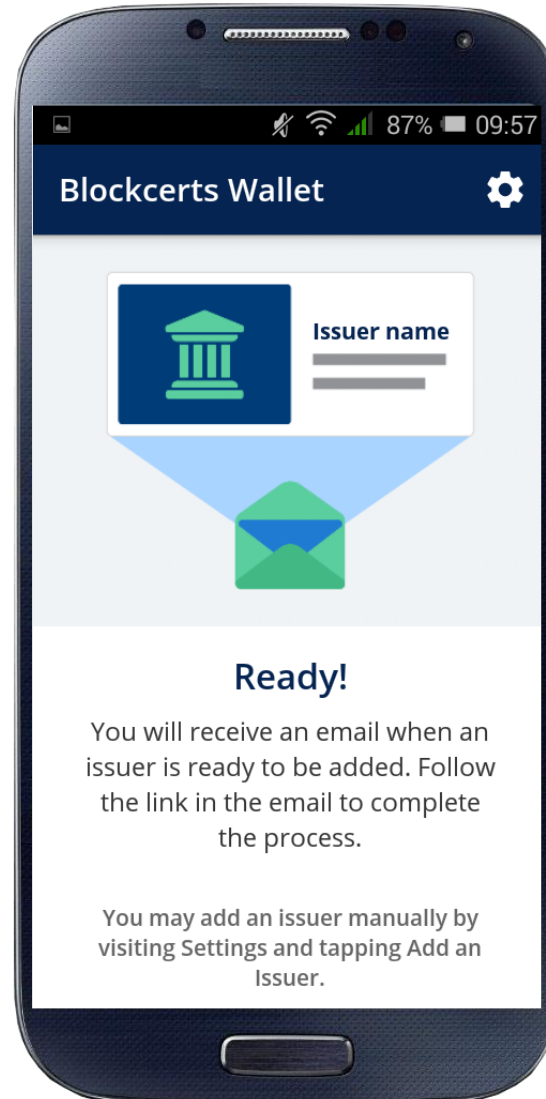


# Adding an issuer

Clicking the **Green** button in the email should be enough.

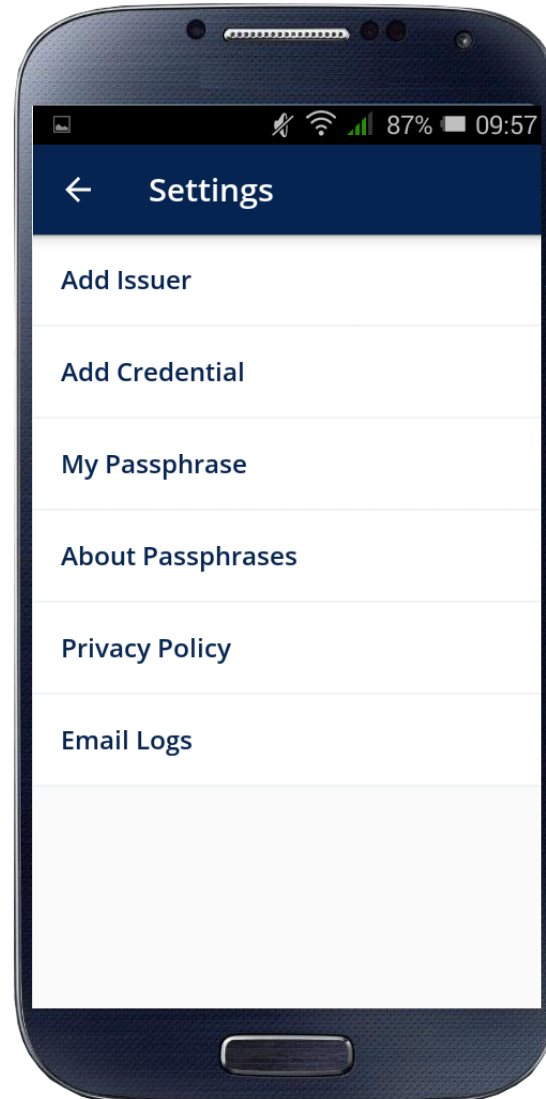
However, you might be asked to add the issuer (MEYR) manually.

If this is the case, you will be provided with a URL and a one-time code



Click on **Settings**

# Add Issuer from Settings



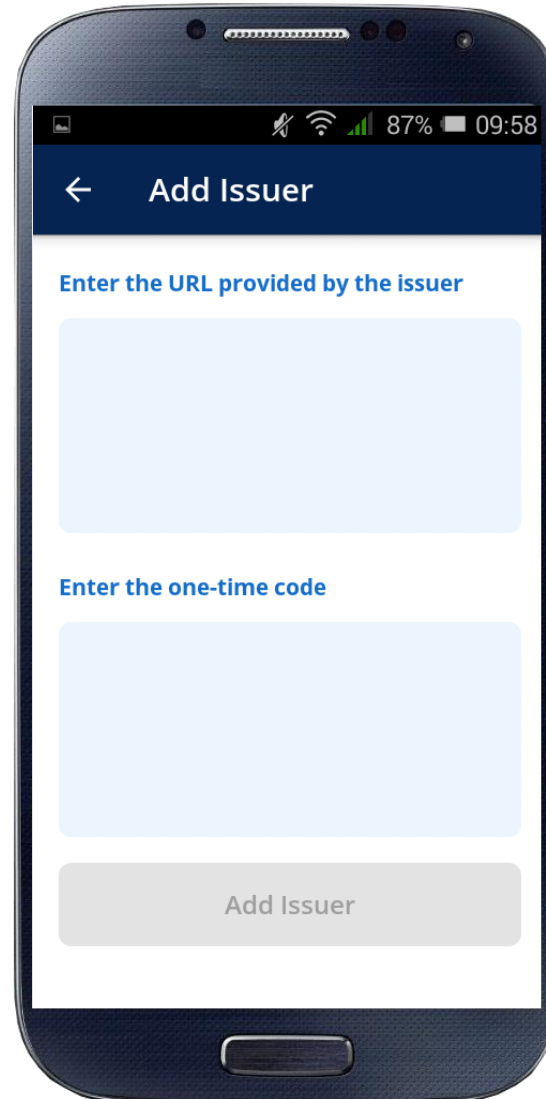
Click on **Add Issuer**



# Adding an issuer manually

In the event you are asked to add the issuer manually and are provided with a URL and a one-time code, you will have to copy these and paste them here.

When you're done, click on **Add issuer**



Paste the **URL of the issuer**

Paste the **one-time code**

When done, click **Add Issuer**

# This is how the Certificate should look when you receive it.



The Open Standard For Blockchain Credentials

Blockcerts is a new initiative by the Ministry for Education, Sport, Youth, Research and Innovation (MEYR) to give Maltese students lifelong ownership of their digital credentials. Blockcerts is a way to verify official records using a blockchain. Once you receive your Blockcert, you own it for life. You can share it with anyone you choose, like an employer when you are applying for a job. No matter where in the world you go, sharing and verifying your credential is instant and for free.

**To receive your Blockcert from The Ministry for Education, Sport, Youth, Research and Innovation (MEYR):**

- 1 Download the free Blockcerts Wallet app on your mobile device.**  
Your Wallet is private, and no one has access to it but you.  
*Remember to back up your Blockcerts secret passphrase!*
- 2 From the same device where Blockcerts Wallet app is installed, look for an invitation email with instructions on how to obtain your digital credential.**  
If you don't receive an email within the next two weeks, contact us at [certificates.mede@ilearn.edu.mt](mailto:certificates.mede@ilearn.edu.mt)
- 3 Click the green "Add Issuer" button in the email to accept the invitation.**  
You must accept the invitation to receive your digital credentials. Your consent is important to us!
- 4 Around June, look for a second email indicating your digital credential is ready.**  
**Download** your credential which is attached within such email in JSON format and **store** it in a safe place. If you don't receive such an email by your graduation date, contact us at [certificates.mede@ilearn.edu.mt](mailto:certificates.mede@ilearn.edu.mt)
- 5 Click the green "Import" button in the email to import your credential into your Blockcerts Wallet for easy sharing and verification!**



# Printing a copy of the Blockcerts Certificate in PDF format

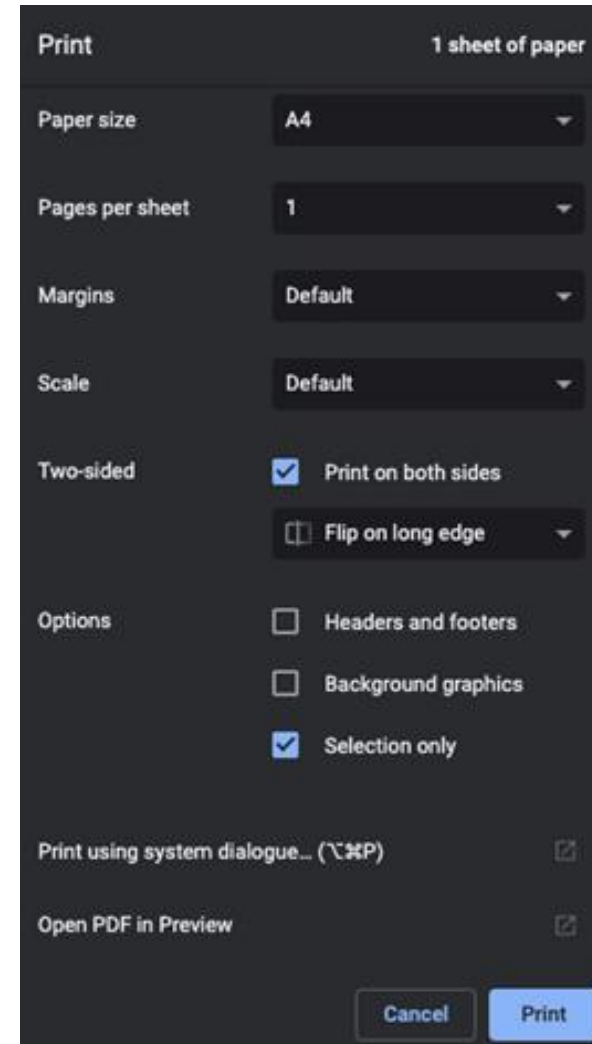


- To print a hardcopy or to have a backup viewable offline version below please find instructions on how this can be achieved:
- Open the Blockcerts Wallet App on the mobile device.
- Select the Issuer (institution issuing the certificate e.g. MEYR).
- Select the desired Blockcerts certificate.
- Select “Share.”
- Select “Share Link.”
- You can choose to copy the credential link or share it in an application of your choosing. Suggest to share link to yourself via preferred option.

# Printing a copy of the Blockcerts Certificate in PDF format



- Paste the link into your preferred browser.
- From the Chrome browser, one can select the certificate area for printing (not the entire screen), click on the browser “Print functionality” and change Chrome Print “Options” settings to “Selection Only” followed by clicking on the “Print” button. One can also un/select the “Headers and footers” option as per screenshot:



# Frequently Asked Questions



## *What are the benefits of blockchain Secondary School Certificate?*

A blockchain certificate can be used to verify your credentials to prospective universities and employers. You can also publicly share your Secondary School Certificate with family members and friends on social or privately share via text or email using a certificate link.

## *What does this mean for me?*

When you own your official records, you no longer have to get original copies from the registrar every time you are applying for a new opportunity, whether that is at a school or with an employer. You can simply send your digital Secondary School Certificate via email or text message or paste a link to your Secondary School Certificate in your resume or LinkedIn profile for easy verification.

## *How do I get my Secondary School Certificate?*

Your Secondary School Certificate will be sent to you via email to be imported into the secure Blockerts Wallet mobile app, which is designed to receive, store, and share your Secondary School Certificate. In the email, you will receive an attachment of your certificate file – a coded file intended for secure storage – so you can store them wherever you like.

# Frequently Asked Questions



## *How does the app work?*

Your app works just like a private folder. It's cryptographically secured, so nobody but you can access it. It talks to the organizations that issue you certificates, so they know where to send them. It also lets you keep certificates from many different organizations all in one place on your own devices, so you don't have to rely on anyone else to store your certificates. It's not tied to any public identity you have (like a social media profile or a school account), so you choose when and how you want to share the information in your app.

What this means, though, is that you are completely responsible for managing your app. It will have a secure passphrase to which only you have access to. Make sure you save your unique passphrase in a secure place, like a password manager. This will let you regenerate your app and prove you own your credentials if you ever delete your app or lose your phone. If you lose your passphrase, it's like losing the ID that says you are who you say you are; you will need to contact us to re-issue your Secondary School Certificate to you.

## *What can I do with my blockchain Secondary School Certificate?*

Having your Secondary School Certificate on the blockchain means that your original record is always in your possession. You control how it is used. You can choose to share your Secondary School Certificate publicly, like on a social media profile (Facebook, LinkedIn, etc.), or send your Secondary School Certificate privately by email or text message. Finally, you can include links to your Secondary School Certificate on your resume, public portfolio, or applications, so that people like potential employers can verify your qualifications with the click of a button.

# Frequently Asked Questions



## *How long will I have my blockchain Secondary School Certificate?*

Once a record is on the blockchain, it's there forever. Your certificate may expire (if it's time-delimited, like a license) or be revoked (if it was issued in error, or as part of disciplinary action), but you will always have it in your possession. If it is expired or revoked, however, it will no longer verify as a valid certificate by third parties.

## *What if I lose my phone or my mobile app?*

As long as you have your passphrase, you can import your Secondary School Certificate to a new app at any time and still prove it belongs to you. Just download the app from the App Store, enter your passphrase, and import your Secondary School Certificate.

The passphrase is also what allows you to maintain ownership of your Secondary School Certificate across multiple devices. So, for example, you can enter the passphrase into apps you download on your tablet or another phone, then import the same Secondary School Certificate to those apps, too.

If you lose your passphrase, however, there is no way to prove ownership of your Secondary School Certificate. It's like losing the ID that says you are who you say you are; even if you still have your Secondary School Certificate, you can't prove it's yours. If this happens, you will need to download the app again, get a new passphrase, and contact us so we can re-issue your Secondary School Certificate to you.

# For any problems questions or issues:



Email the people responsible for Blockcerts at MEYR on the following email address:

**certificates.mede@ilearn.edu.mt**

More instructions on the school website <https://sgpc.hamrunsec.skola.edu.mt>

Type 'Blockcerts' in the search bar

Watch the video here:

<https://bit.ly/3Avc2JM>