

## **Practical 01**

### **Problem Statement:**

Installation of Metamask and study spending Ether per transaction.

### **Objective:**

Understand and explore the working of Blockchain technology and its applications.

### **Course Outcome:**

CO6: Interpret the basic concepts in Blockchain technology and its applications.

### **Description:**

MetaMask is available as an in-browser application for desktop or laptop computers, as well as a smartphone app available on both major app stores. What makes it so popular is its seamless integration with many different major crypto websites, including NFT marketplace OpenSea, and decentralized exchanges including 1inch, Uniswap, and Quickswap.

MetaMask also works with hardware cryptocurrency wallets Ledger and Trezor, allowing users to transfer crypto and NFTs from the software-based hot wallet to the hardware based cold wallets for secure storage.

It is easy to use MetaMask on a connected website to send, receive, or trade tokens. Before exchanging any tokens, MetaMask will pop up in your browser to confirm the details, including the contract, price. Before confirming the transaction, users will be able to adjust their gas limits to either pay more to speed it up, or reduce their max price while slowing down the confirmation.

### **Step to create MetaMask :**

#### **Step 1: Search on Google "METAMASK"**

## A crypto wallet & gateway to blockchain apps

Start exploring blockchain applications in seconds. Trusted by over 30 million users worldwide.

Download for



LEARN MORE

Step 2: Download the METAMASK. Click on the Button “Add to Chrome”.

Home > Extensions > MetaMask



MetaMask

<https://metamask.io>

Add to Chrome

★★★★★ 2,577

Productivity 10,000,000+ users

Overview

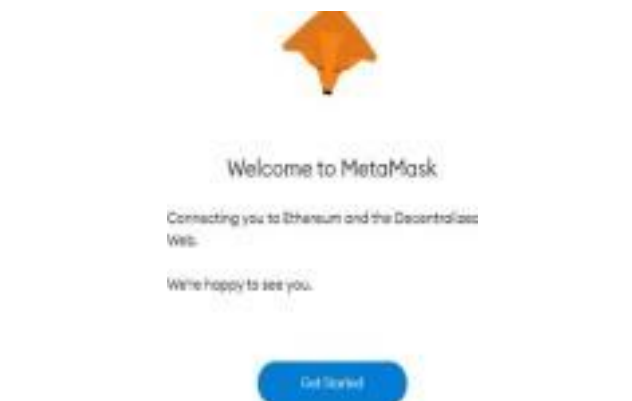
Privacy practices

Reviews

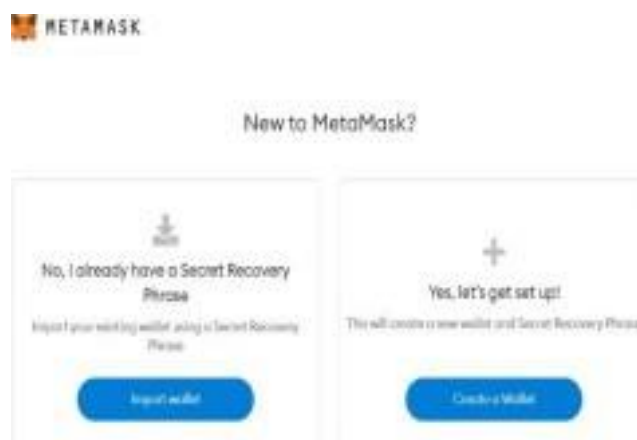
Support

Related

Step 3: MetaMask wallet installation. Click on the MetaMask extension and click on “Get Started”.



**Step 4: Click on the “Yes, let’s get set up!”.**



**Step 5: Click on “I Agree”.**



## Help us improve MetaMask

MetaMask would like to gather usage data to better understand how our users interact with the extension. This data will be used to continually improve the usability and user experience of our product and the Ethereum ecosystem.

MetaMask will:

- ✓ Always allow you to opt-out via Settings
- ✓ Send anonymized click & pageview events
- ✗ **Never** collect keys, addresses, transactions, balances, hashes, or any personal information
- ✗ **Never** collect your full IP address
- ✗ **Never** sell data for profit. Ever!

No Thanks

I Agree

This data is aggregated and is therefore anonymous for the purposes of General Data Protection Regulation (EU) 2016/679. For more information in relation to our privacy practices, please see our [Privacy Policy](#) here.

**Step 6: Enter the New Password “\*\*\*\*\*” and Confirm Password “\*\*\*\*\*” Tick on I agree. Click on Create.**



< Back

## Create Password

New password (8 characters min)

\*\*\*\*\*

Confirm password

\*\*\*\*\*

✓ I have read and agree to the [Terms of Use](#)

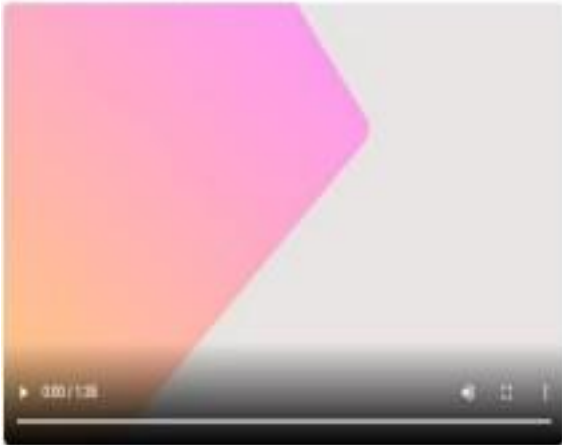
Create

**Step 7: See the video to Understand the METAMASK and Read the**

**METAMASK**

## Secure your wallet

Before getting started, watch this short video to learn about your Secret Recovery Phrase and how to keep your wallet safe.



0:00 / 1:38

[Watch](#)

**What is a Secret Recovery Phrase?**  
Your Secret Recovery Phrase is a 12-word phrase that is the "master key" to your wallet and your funds.

**How do I save my Secret Recovery Phrase?**

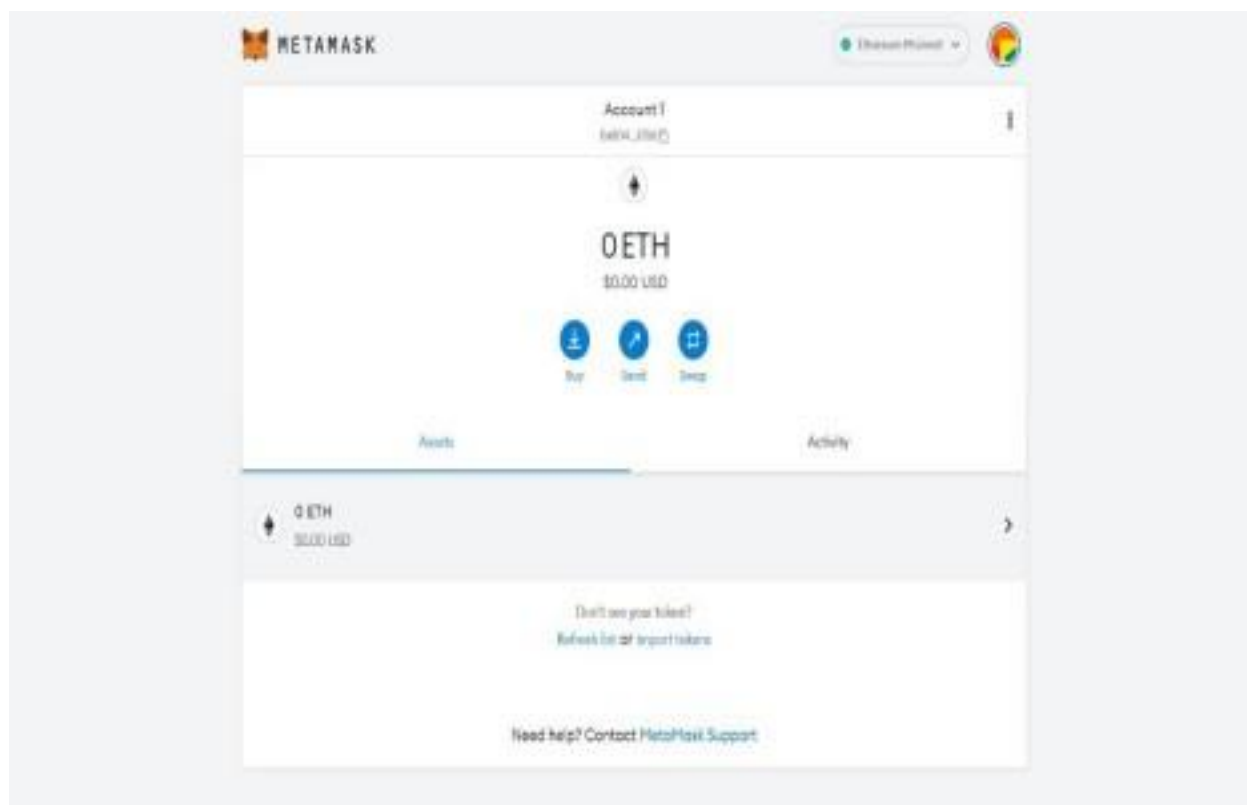
- Save in a password manager
- Store in a bank vault
- Store in a safe deposit box
- Write down and store in multiple secret places

**Should I share my Secret Recovery Phrase?**  
Never, ever share your Secret Recovery Phrase, not even with MetaMask!

If someone asks for your recovery phrase they are likely trying to scam you and steal your wallet funds.

Information.

**Step 8: "METAMASK" Account created Successfully.**



**Conoslusion:**

I Studied about METAMASK and Created METAMASK Account Successfully.