

K. K. Wagh Institute of Engineering Education and Research, Nashik.
Department of Computer Engineering
Academic Year 2022-23

Course: Laboratory Practice III

Course Code: 410246

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Class: BE

Roll No.: 12

Div: A

Assignment No: 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:

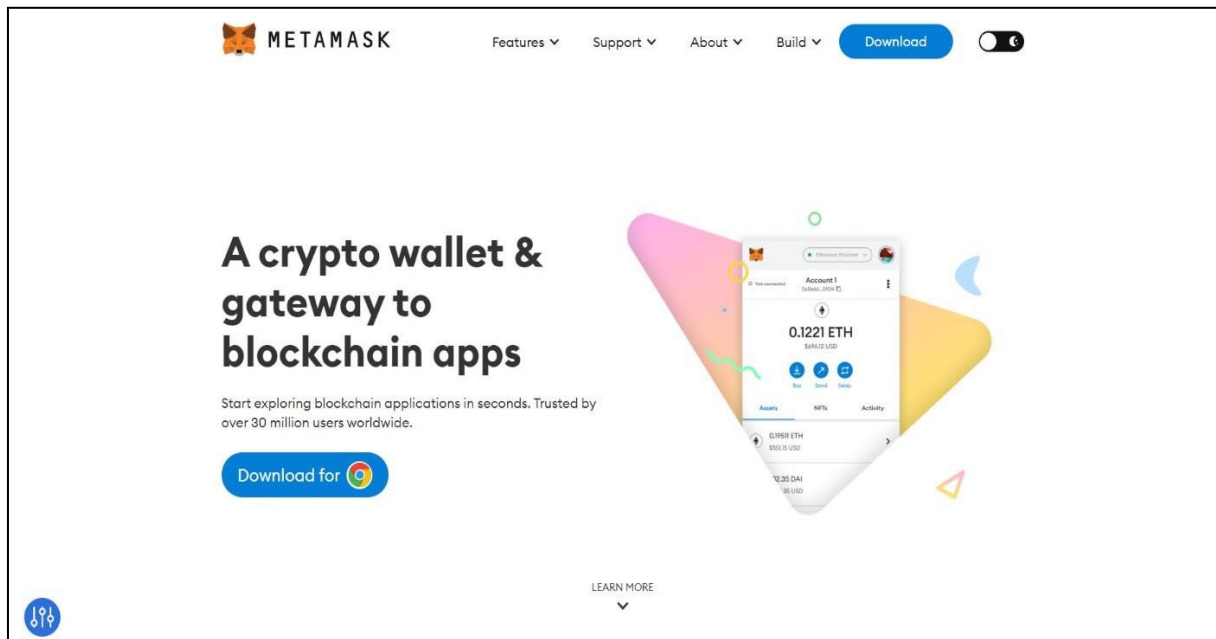
MetaMask is available as an in-browser application for desktop or laptop computers, as well as a smartphone app available on both major app stores. What makes it so popular is its seamless integration with many different major crypto websites, including NFT marketplace OpenSea, and decentralized exchanges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

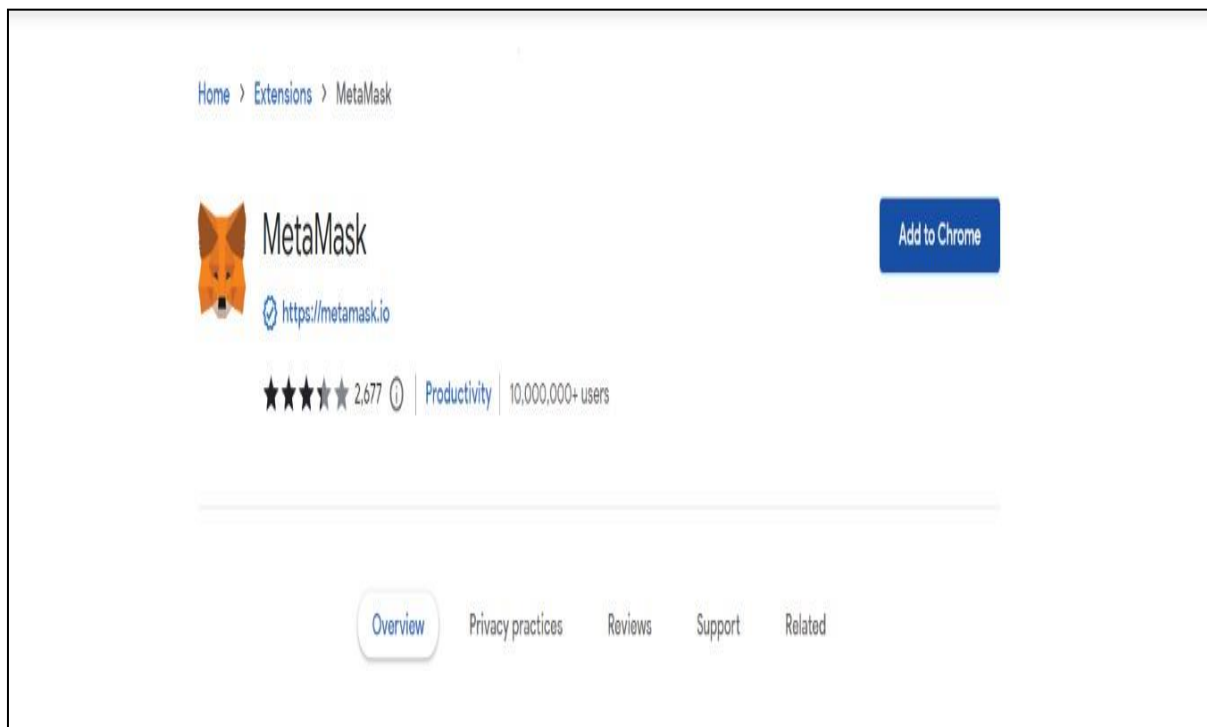
It is easy to use MetaMask on a connected website to send, receive, or trade tokens. Before exchanging any tokens, MetaMask will pop up in your browser to confirm the details, including the contract, price. Before confirming the transaction, users will be able to adjust their gas limits to either pay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

Step to create MetaMask :

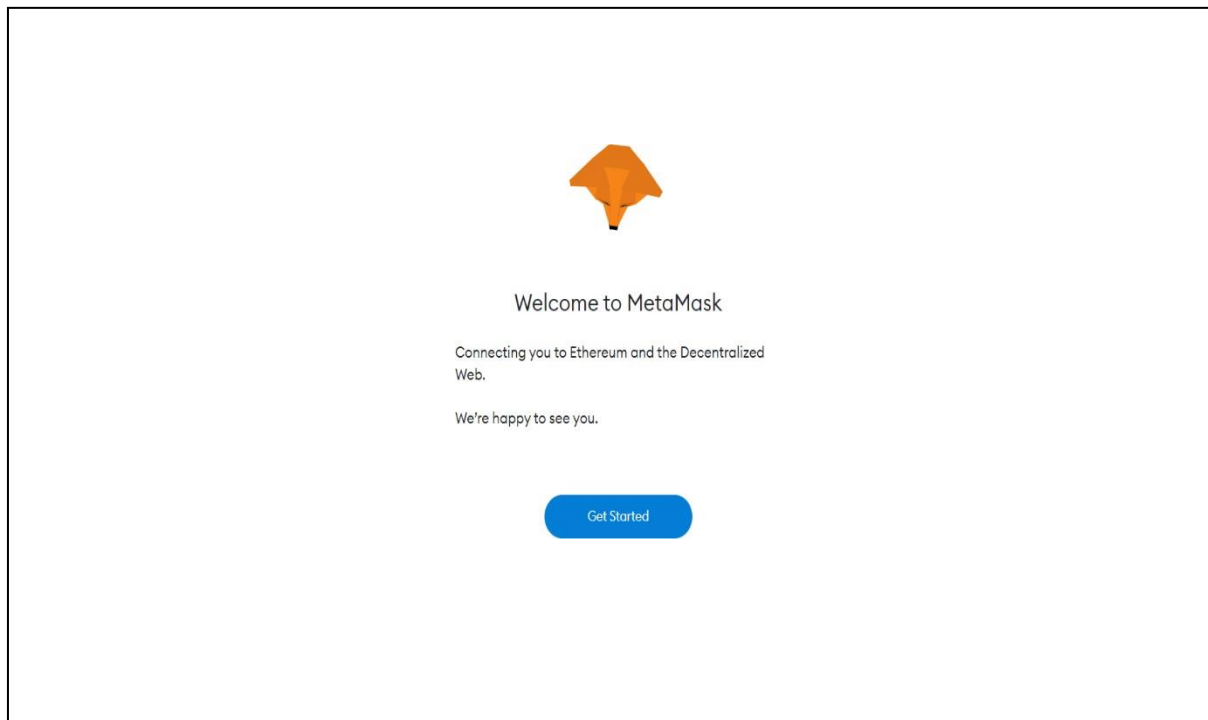
Step 1: Search on Google “METAMASK”



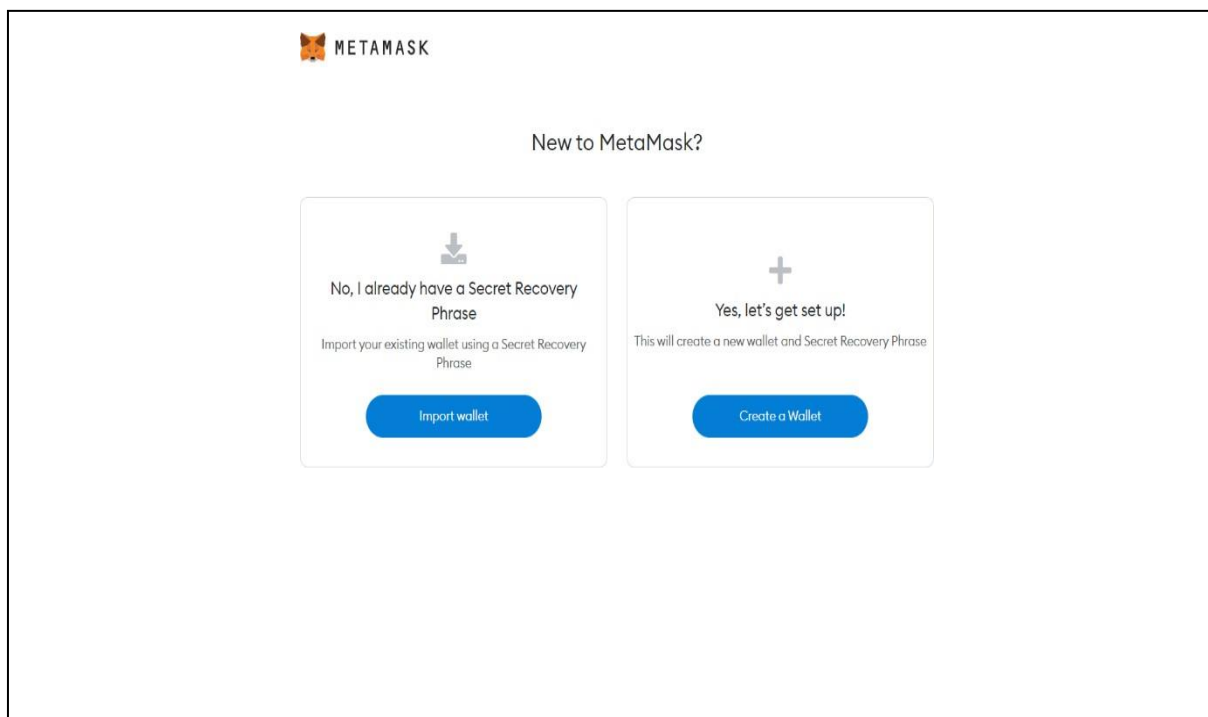
Step 2: Download the METAMASK. Click on the Button “Add to Chrome”.



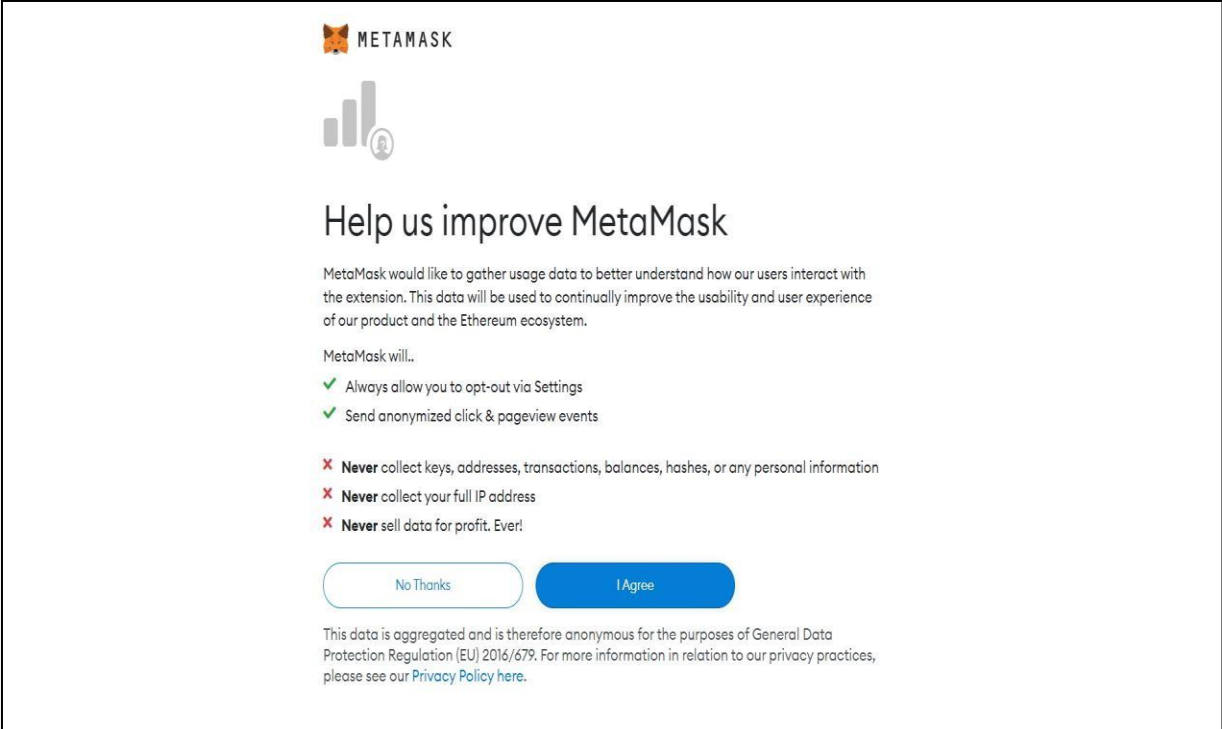
Step 3: MetaMask wallet installation. Click on the MetaMask extension and click on “Get Started”.




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




Step 5: Click on “I Agree”.



The screenshot shows the MetaMask 'Help us improve' screen. At the top is the MetaMask logo and a bar chart icon. The title 'Help us improve MetaMask' is centered. Below it, a paragraph explains that MetaMask will gather usage data to improve the extension. A list of commitments follows, with green checkmarks for 'Always allow you to opt-out via Settings' and 'Send anonymized click & pageview events', and red X marks for 'Never collect keys, addresses, transactions, balances, hashes, or any personal information', 'Never collect your full IP address', and 'Never sell data for profit. Ever!'. At the bottom are two buttons: 'No Thanks' and 'I Agree'. A small disclaimer at the very bottom states that the data is aggregated and anonymous, with a link to the Privacy Policy.

 METAMASK



Help us improve MetaMask

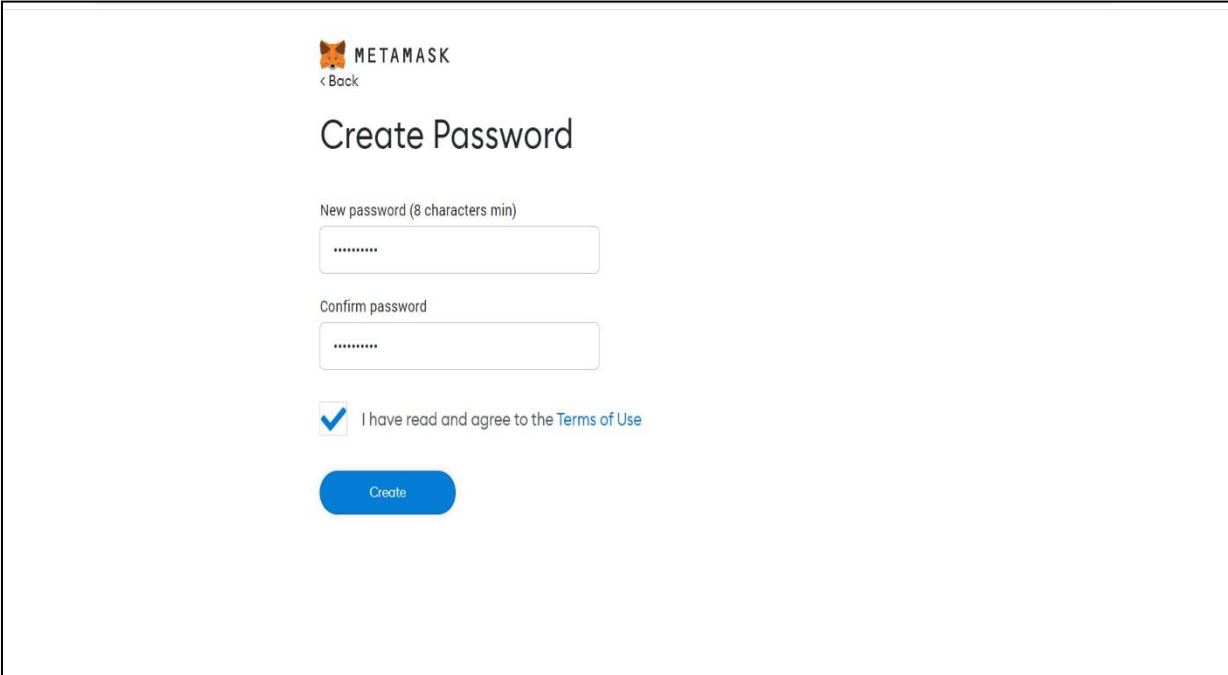
MetaMask would like to gather usage data to better understand how our users interact with the extension. This data will be used to continually improve the usability and user experience of our product and the Ethereum ecosystem.

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!

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 agree. Click on Create.**



The screenshot shows the MetaMask 'Create Password' screen. At the top is the MetaMask logo and a '< Back' link. The title 'Create Password' is centered. Below it are two input fields: 'New password (8 characters min)' and 'Confirm password', both masked with asterisks. Below the fields is a checked checkbox with the text 'I have read and agree to the Terms of Use'. At the bottom is a blue 'Create' button.

 METAMASK

[< Back](#)


Create Password

New password (8 characters min)

Confirm password

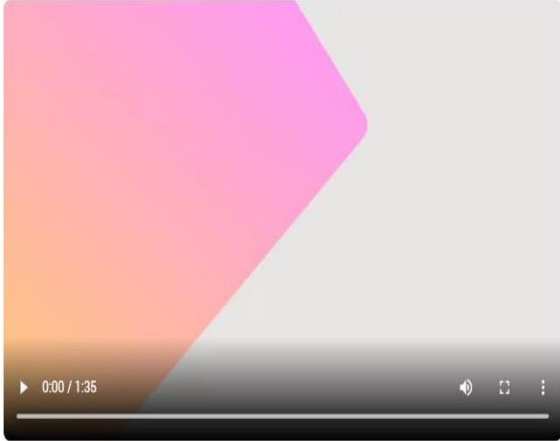
☒ I have read and agree to the [Terms of Use](#)

Step 7: See the video to Understand the METAMASK and Read the Information.

 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 / 1:35

Next

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.




Step 8: “METAMASK” Account created Successfully.

 METAMASK

Ethereum Mainnet 

Account 1
0x804...1706

0 ETH
\$0.00 USD

 Buy  Send  Swap

Assets Activity

0 ETH
\$0.00 USD

Don't see your token?
[Refresh list](#) or [import tokens](#)

Need help? Contact [MetaMask Support](#)

Conuslusion:

I Studied about METAMASK and Created METAMASK Account Successfully.