

## Experiment No. 4

Date of Performance :	
Date of Submission :	

Aim: Creating a Metamask wallet and performing the transactions to add Ethers and Tokens.

Theory:

Step 1: Create a wallet at meta-mask

- ❑ Install MetaMask in Chrome browser and enable it. After installation, click on its icon on the top right of the browser page. It will open in a new tab of the browser. Click on "Create Wallet" and click "I agree" to proceed further. Now you are agreeing to the terms and conditions. Create a password and then it will send you a secret backup phrase used for backing up and restoring the account.
- ❑ It should not be disclosed or shared with anyone, as this phrase can steal your Ethers. Ensure that you are in the "Main Ethereum Network." If you find a checkmark next to "Main Ethereum Network", you are in the right place. You can see following pages.

Step 2: Select any one test network

Click on show networks. Enable show networks and other information. Following test networks can be seen in your MetaMask wallet. These networks are only for the purpose of testing and ethers involved in it have no value.

- ❑ Ropsten Test Network
- ❑ Kovan Test Network
- ❑ Rinkeby Test Network
- ❑ Goerli Test Network

Select Ropsten Test Network.

Step 3: Add some dummy Ethers to your wallet

- ❑ To test the smart contract, your MetaMask wallet should contain some dummy ethers. For example, if you test a contract using the Ropsten test network, select it and you will find 0 ETH as the initial balance in your account. Click on the "Deposit" and "Get Ether" buttons under
- ❑ Test Faucet in order to add dummy ethers. Open site <https://faucet.metamask.io/>. Link your wallet account and add one dummy ether. You will receive one ether in account as below. Click Request 1 Ether from faucet.

□ Click on Buy button. Buy test ethers.

Step 4: Compile and Deploy following contract in Ethereum Remix IDE. Give name to file token.sol. Deploy by selecting token.sol. Select Environment as Injected Provider Metamask.

Step 5: Perform an Add transaction by entering two integer parameters and click on "transact". On the Metamask notification window, confirm the transaction. After the transaction is successful, click on getResult.

Conclusion: We have succesfully created Metamask Wallet and Added dummy Ethers and Tokens.

R1 (3 MARKS)	R2 (3 MARKS)	R3 (3 MARKS)	R4 (3 MARKS)	R5 (3 MARKS)	Total (15 MARKS)	Signature