School: ..... Campus: .....

Academic Year: ..... Subject Name: ..... Subject Code: .....

Semester: ..... Program: ..... Branch: ..... Specialization: .....

Date: .....

Applied and Action Learning

(Learning by Doing and Discovery)

Name of the Experiement : Read the Chain – Web3.js Basics

* Coding Phase: Pseudo Code / Flow Chart / Algorithm

- ☐ Connect Web3 wallet.
- ☐ Fetch smart contract with ABI and address.
- ☐ For write:
  - Call a function like set() with .send({ from: user })
- ☐ For read:
  - Call a function like get() with .call()
- ☐ Display result on the frontend.

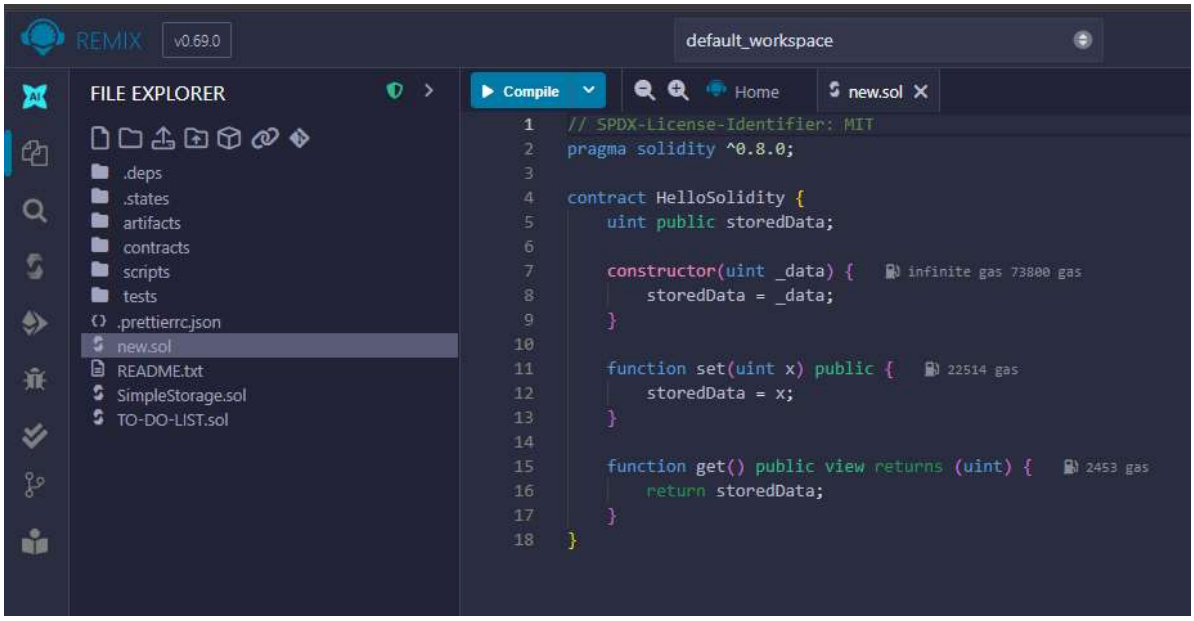
Software used

1. MetaMask Wallet
2. Remix IDE.
3. MS Word.
4. Brave for researching.

**As applicable according to the experiment.*
Two sheets per experiment (10-20) to be used.

* Implementation Phase: Final Output (no error)

1. Connect to MetaMask Wallet.
2. Setup Contract.
3. Write value to Blockchain.
4. Read Value.
5. Update UI with result.



*As applicable according to the experiment.
Two sheets per experiment (10-20) to be used.

* Observations:

- Writing (set) requires gas and confirmation from MetaMask.
- Reading (get) is free and fast.
- Updates reflect in UI once the transaction is confirmed.

ASSESSMENT

Rubrics	Full Mark	Marks Obtained	Remarks
Concept	10		
Planning and Execution/ Practical Simulation/ Programming	10		
Result and Interpretation	10		
Record of Applied and Action Learning	10		
Viva	10		
Total	**50**		

Signature of the Student:

Name :

Regn. No. :

Signature of the Faculty:

****As applicable according to the experiment.***
Two sheets per experiment (10-20) to be used.