Centurion University
Shaping Lives... Empowering Communities...

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 : Future Now – AI + Web3 Research Presentations

Objective/Aim:

To explore and present the integration of **Artificial Intelligence (AI)** with **Web3 technologies**, highlighting their combined potential to create intelligent, decentralized, and autonomous digital ecosystems.

Apparatus/Software Used:

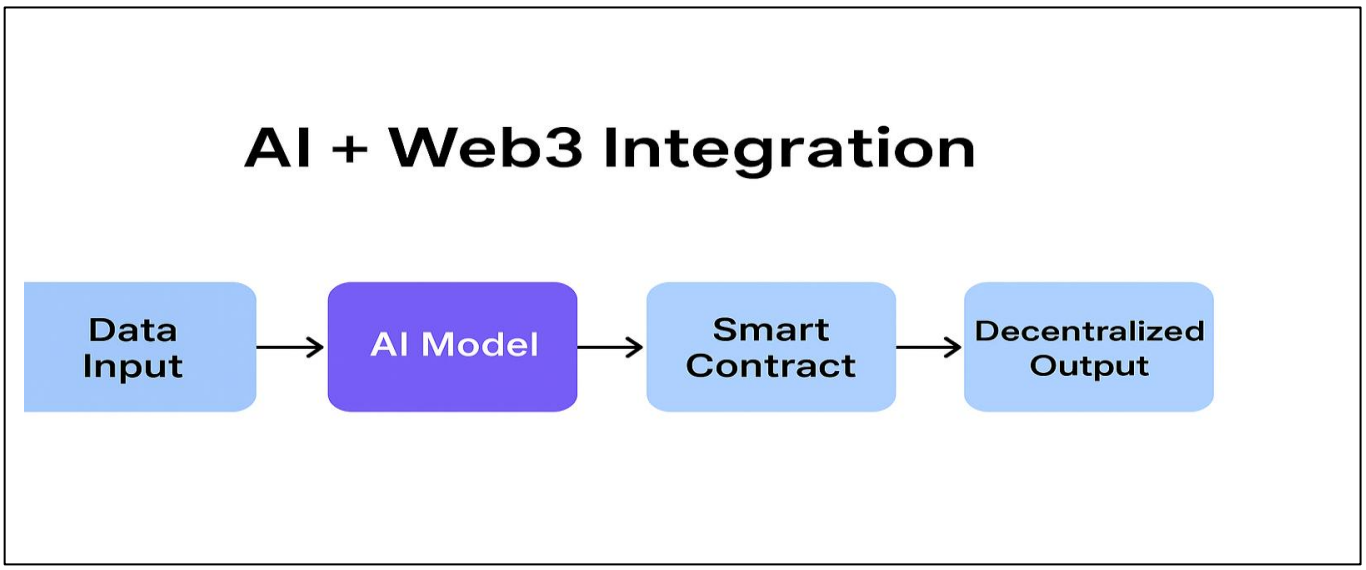
- Research resources (whitepapers, blogs, technical docs)
- Presentation tools (PowerPoint, Google Slides, Canva)
- Web3 tools (Ethereum, IPFS, smart contracts, oracles)
- AI tools (ChatGPT, TensorFlow, OpenAI APIs)
- Block explorers (Etherscan, BSCScan)

Theory:

The convergence of **AI and Web3** represents the next evolution of the internet — combining **machine intelligence** with **blockchain decentralization**.

Key Concepts:

- **AI + Web3 Synergy:** AI provides decision-making and automation; Web3 ensures transparency, ownership, and security.
- **Decentralized AI:** AI models hosted and trained on decentralized storage (e.g., IPFS, Ocean Protocol).
- **Smart Oracles:** Bridges that allow AI data to interact with smart contracts.
- **Use Cases:**
  - Autonomous DAOs powered by AI
  - AI-based NFT valuation models
  - Smart DeFi strategies
  - Personalized metaverse experiences



Procedure:

1. **Topic Selection:**
   - Choose a relevant theme (e.g., *AI in DAOs*, *AI-driven DeFi*, *AI agents on blockchain*).
2. **Research & Data Collection:**
   - Study current AI + Web3 projects and use cases from reliable sources.
3. **Architecture Design:**
   - Prepare a model showing AI interacting with blockchain (data → model → contract → output).
4. **Presentation Development:**
   - Create slides explaining the concept, use cases, benefits, and challenges.
5. **Demonstration (Optional):**
   - Show a simple prototype, such as AI sentiment analysis connected to a smart contract using oracles.
6. **Discussion & Conclusion:**
   - Present findings highlighting advantages, limitations, and future potential.

Observation:

1. Researched and identified multiple real-world AI + Web3 integrations.
2. Created a presentation linking AI automation with blockchain transparency.
3. Highlighted potential of decentralized AI agents and data markets.
4. Discussed ethical and scalability challenges in merging these domains.

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 :

Signature of the Faculty:

Regn. No. :

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