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 research ideas on how **Artificial Intelligence (AI)** and **Web3 technologies** can integrate to shape the future of decentralized, intelligent, and autonomous digital ecosystems.

Apparatus/Software Used:

- Web Browser (Chrome / Brave)
- Presentation Tools (Canva / Google Slides / PowerPoint)
- AI Tools (ChatGPT, Hugging Face, Google Gemini, OpenAI API)
- Web3 Platforms (Ethereum, Polygon, IPFS, Chainlink, Arweave)

Theory/Concept:

- **AI + Web3 integration** represents the next evolution of the internet — combining intelligence and decentralization to create systems that are transparent, autonomous, and user-owned.
- **Key Concepts:**
- **Artificial Intelligence (AI):**
  Machines trained to analyze data, learn patterns, and make decisions autonomously.
- **Web3:**
  A decentralized web powered by blockchain, ensuring user data ownership and peer-to-peer transactions.
- **AI + Web3 Synergy:**
  AI provides intelligence, automation, and personalization, while Web3 ensures transparency, security, and ownership of data.

Procedure

Topic Selection:
- Choose a research area combining AI and Web3 (e.g., "AI-powered DAOs", "AI for NFT valuation", "AI + DeFi risk models").

Research Phase:
- Study whitepapers, academic papers, and current projects (Fetch.AI, Ocean Protocol, SingularityNET, etc.).

Data Collection:
- Identify how both technologies interact — e.g., AI uses on-chain data for training, Web3 provides verifiable data sources.

Idea Development:
- Draft a concept architecture or flow diagram explaining how AI and Web3 components integrate.

Prototype (Optional):
- Use AI APIs (OpenAI / Hugging Face) and a blockchain testnet to demonstrate integration (e.g., an AI oracle predicting token prices).

Prepare Presentation Slides:
- Include:
  - Introduction to AI and Web3
  - Problem statement and objectives
  - Methodology / System design
  - Use cases and benefits
  - Future scope and conclusion

Deliver Presentation:
- Present findings to the class or faculty panel.
- Use visuals, live demos, or conceptual models to illustrate how AI + Web3 create new possibilities.

Observation Table:

- Presentations demonstrated diverse and innovative ideas combining intelligence and decentralization.
- Students proposed use cases like **AI-based DAOs**, **AI-driven identity verification**, and **AI-powered NFT marketplaces**.
- Integration challenges like data privacy, scalability, and interoperability were discussed.

ASSESSMENT

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

Signature of the Faculty: *Signature of the Student:*
Roll No.