Topic, Deliverables and Submission Guidelines –

Topic of your Task

Developed a novel algorithm based on deep learning for AI-Powered Drug Discovery and Development. Implement cross-validation using other datasets to ensure robustness and accuracy.

The deliverables you need to submit are as follows:

1. **Research Report (Word Document):**

   - Analyse a minimum of 10 papers from Google Scholar on the same topic you were assigned.

   - For each paper, include the following six points:

     - Link

     - Dataset

     - Methodology or models used

     - Novelty

     - Accuracy (%)

     - Evaluation metrics

2. **Code File:**

   - **Implement your code on the topic you got according to the analysis with a novelty derived from reviewing the papers.**

   - **Real-time advanced data visualisation in a dashboard that supports data analysis and highlights important trends.**

   - Submit the implementation in an **IPYNB format**.

3. **Draft Paper (Word Document):**

- Create a draft document explaining your methodology and the novelty introduced.
- Include an **architecture diagram** to support your explanation.

4. **Code Explanation Video:**
   - Record a video in **English** explaining the code and its workings.

Submission Guidelines:

- **Drive Folder:** Upload all four deliverables into a **single drive folder**.
  - **Do not zip the files.**
  - Set the folder's link to "Anyone with the link can view."