Annexure - I

Guidelines for learning materials

It is mandatory to provide specific learning materials by ensuring the quality of content. Avoid providing vague references such as just the name of a textbook, a chapter title, or a general media/web link. Instead, ensure that the materials are clearly and precisely mentioned as follows:

I. *Book:* Include the book title, edition, author, chapter number and name, and the specific page numbers to be referred.

Example:

Book: "Machine Learning" (2nd Edition) by Tom M. Mitchell, Chapter 5: Neural Networks, Pages 123–140

II. *Video:* Provide the exact video link, and if only a portion is relevant, specify the start and end timestamps.

Example:

Video: [YouTube link], watch from 02:15 to 10:30

III. *Web Material*: Provide the full and direct URL to the web page/article that should be studied.

Example:

Web Article: [https://www.analyticsvidhya.com/neural-network-basics]

IV. *Research Papers / Journal Articles*: Provide the full title, author(s), publication year, journal/conference name, and either the PDF or DOI/link.

Example:

Paper: "A Survey on Deep Learning for Image Captioning" by Y. Zhang et al., IEEE Access, 2020, DOI: 10.1109/ACCESS.2020.299234

V. *Lecture Notes (Prepared by Faculty)*: If you create custom lecture notes, share the direct file or link, and mention specific slide/page numbers to be studied (If required to maintain continuity).

Example:

Note 1: "Introduction to Classification"

VI. *Coding Tutorials / GitHub Repositories*: Share only if they are well-documented and relevant. Provide specific file/folder names or code sections to focus on.

Example:

GitHub: [https://github.com/xyz/ml-project], Refer to /notebooks/Week1_LogisticRegression.ipynb

VII. *MOOC Modules (NPTEL / Coursera / edX, etc.)*: Mention the course name, platform, instructor, and exact module/week name and timestamp.

Example:

NPTEL: "Introduction to Artificial Intelligence" by Prof. Pushpak Bhattacharyya, Week 2: Lecture 3 (10:00–20:30)

VIII. *Datasets for Exploration (with task)*: Share the link to the dataset, description of the context, and a small task (e.g., explore column distributions, or prepare EDA).

Example:

Dataset: [https://www.kaggle.com/datasets/uciml/iris], Task: Analyze and visualize each class distribution.