Training Day 5 Report

Date: 27 June 2025

The session starts with the data, analysis and tools. This session bridged with the concepts of data, its applications in the real world, various tools and platforms to store and represent the data. The trainer emphasized practical understanding, consistent practice, and clarity of core concepts for efficient learning.

Data

Data are collected observations or measurements, represented as text, numbers, or multimedia (images, audio, video, transcripts, etc.). Types of data: Quantitative data and Qualitative data. The DIKW Pyramid also discussed which tells us how to go from data to wisdom.

Data Analysis

Data Analysis is making sense of data in which we collect the raw data, clean and organize it, visualize and explore, interpret patterns and making the data driven decisions. Significance of data analysis also taught in the session.

Data Science

It is the intersection of three domains: math/statistics, programming and domain knowledge. A data scientist is a curious problem-solver with tools to dig deep into data. The demand of data science is exploding due to the massive increase in data generation, cheaper and faster computing, need for smart automation and AI. All the platforms were discussed from where we can fetch the good data.

Microsoft Excel

To analyze and do automation to the data we have used Microsoft excel. It gives us many functions and options to store the data and calculate it to give the required result.

At last, the doubt session was held to clear the doubts of the participants by the trainer regarding the session.