# Project Design Phase-II

## Data Flow Datagram & User Stories

| Date | 19 February 2026 |
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| Team ID | LTVIP2026TMIDS47037 |
| Project Name | **HematoVision – Blood Cell Classification** |
| Marks | 4 Marks |

**Data Flow Diagram (DFD) :**

A **Data Flow Diagram (DFD)** is a **graphical representation** of the flow of data within a system. It shows **how information moves from input to output**, the processes that transform it, and where it is stored.

**Level 0 – Context Diagram:**

- Shows main system and external entities (Lab Technician, Doctor, Database).

**Level 1 DFD:**

- Shows blood sample input → classification process → report output → database storage.

**Level 2 DFD (optional for detailed steps):**

- Shows sub-processes of AI classification, abnormality detection, report generation.

**User Stories :**

A User Story is a short, simple description of a software feature from the perspective of the end user. It explains who the user is, what they want, and why they want it.

| ID | Role | Feature | Benefit |
|---|---|---|---|
| US01 | Lab Technician | Upload blood sample images | Save time and reduce manual work |
| US02 | Hematologist | Automatic blood cell classification | Accurate diagnosis and reduce errors |
| US03 | Doctor | View patient report online | Faster patient consultation |
| US04 | Admin | Manage users and data access | Secure data handling |