**Project Design Phase-II**

**Data Flow Diagram & User Stories**

| Date | 16 juJune 2025 |
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| Team ID | LTVIP2025TMID41955 |
| Project Name | Traffic telligence:Ad Advance traffic volume estimation with Machine Learning |
| Maximum Marks | 4 Marks |

**Data Flow Diagrams:**

**Comparison Table: Data Flow Diagram vs. User Stories**

**Aspect Data Flow Diagram (DFD) User Stories**

**Definition A graphical representation of data movement within a system. A brief, simple description of a feature told from the perspective of the end user.**

**Purpose To model the flow of data through processes, data stores, and external entities. To capture user needs and requirements in Agile development.**

**Format Diagrams using symbols (processes, data stores, data flows, entities). Written format: "As a [user], I want [feature] so that [benefit]."**

**Level of Detail Varies by level (Context, Level 1, Level 2, etc.). Focuses on system functions and data. Focused on user requirements, typically high-level but can be broken into tasks.**

**Used By System analysts, designers, developers. Product owners, developers, testers, and stakeholders.**

**Development Approach Often used in traditional SDLC or system modeling. Key part of Agile and Scrum methodologies.**

**Strengths Clear visualization of data interactions and system boundaries. User-centered, promotes collaboration and prioritization.**

**Weaknesses Can be complex and technical; not easily understood by non-technical stakeholders. Lacks detail about internal system processes.**

**Example Shows how data flows from a user form to a database and back. "As a customer, I want to reset my password so that I can regain account access."**

**Tool Type Diagramming tool. Textual documentation tool.**