**DATAFLOW DIAGRAMS**

The Data flow diagram can be explained as the separate levels indicating the individual complexity in the each level of the system and gives a detailed explanation in the further levels that are following them.

**LEVEL 0**

Initially in the first level of the Data flow the level 0 explains the basic outline of the system. The end-user sends the packets to the system to determine the source and destination address. The diagram marked as the 0 represents the complete Packet watching system which simply represents the basic operation that is being performed by it in the initial level.

**LEVEL 1**

The level 1 of the Data flow diagram given explains in detail about the Packet watching system which was marked as 0 in the previous level. In this level the end-user who passes the request for the system enters into the first process, the capturing process and then to the processing module. After processing the packets it was send for storing.

**LEVEL 2**

The level 2 provides the clear explanation about the whole system. In this level first we have to select the packet and perform test over that selected packets. Then identify the end address of the packet and send that packet for processing. After processing the packet it was send to the identity content. Then send the processed packet for storing and display the source and destination addresses.

**The following diagram illustrates the notations and symbols used to construct the DFD:**

|  |  |
| --- | --- |
| External entity | **A producer or consumer of information that resides outside the boundary of the system to be model**. |
|  | **A transformer of information. (i.e. process)** |
|  | **A data item or collection of data item, the arrow**  **Head indicates the direction of flow of data**. |
|  | **The table in which information will be stored ultimately**. |