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| Ex. No: 7b | **DEPLOYMENT DIAGRAM** |
| Date: 13/09/2021 |
| Video Link: | <https://drive.google.com/file/d/1WStiqqQpf7yDi-bIMKtQ8PhneyaFYIIm/view?usp=sharing> |

**OBJECTIVE**

Deployment diagrams are another model in the implementation diagram category. The Deployment diagram models the hardware used in implementing a system and the association between those hardware components. Components can also be shown on a Deployment diagram to show the location of their deployment. Deployment diagrams can also be used early in the design phase to document the physical architecture of a system.

This Document is explains the Deployment diagram for the project E-Learning System.

**DESCRIPTION**

**Component**

A component represents a software entity in a system. Examples include source code files, programs, documents, and resource files. On a deployment diagram, components are placed within nodes to identify their deployed location. A component is represented using a rectangular box, with two rectangles protruding from the left

Table

Description automatically generated with medium confidence

**Node**

A node represents a piece of hardware in the system. This entity is represented by a three-dimension

Diagram, engineering drawing

Description automatically generated

**Association**

An association, drawn as a solid line between two nodes, indicates a line of

communication between the hardware elements

Diagram

Description automatically generated

**ALGORITHM**

Step 1: Identify the processors and devices used in the Deployment Diagram.

Step 2: The processors are connected according to the office set up.

Step 3: The association link is drawn with the messages.

Step 4: Terminate the process after completion.

**OUTPUT**

**Diagram

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The Deployment diagram for the E-Learning system has a 3 node called user Interface, Application Interface and Database. Where the 3 nodes communicate to perform the operations that are in this E-Learning System.

**RESULT:**

The deployment diagrams are used in the implementation phase of software development to articulate the high level requirements of the system are drawn successfully