**NAMRATA PANDEY**

**ASSIGNMENT 06**

**Q.1 Describe component diagram?**

**Ans:** It is a special ki8nd of diagram in UML. It does not describe the functionality of the system but it tells what components are used to make those functionalities. It breaks the actual system under development into various levels of functionality. The basic concepts of the component diagrams are:

* Interface
* Subsystems
* Port
* Relationships
* Modeling source code
* Modeling an executable release
* Modeling physical database

Component diagram are integral to building the software systems. It help the teams to understand the structure of existing systems and then build the new ones.

***Component diagram of an ATM Vending system***

***A close up of a map

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**Q.2. Describe object Diagram?**

**Ans: I**t is the graph of instances, including object and data values. It shows the snapshots of detailed state of the system at a point in time, and it encompasses objects and their relationships at a point in time.It basically shows the relation between instantiated classes and defined classes, and the relations between these objects in the system. It consists of various notations like Object names, object attributes, Links.

***Object Diagram-Company Structure***

***A screenshot of a cell phone

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**Q.3 Describe Deployment Diagram?**

**Ans:** It is an UML diagram that depicts the execution architecture of a systems, including nodes such as hardware or software executing environments and the middle ware connecting them. It is a kind of structure diagram used in modelling the physical aspects of object-oriented system. It is often used to model the topology of the hardware.

* It shows structure of run time system
* It models physical hardware system and communication between them
* Useful for document the deployment of software components or nodes
* Useful for planning the architecture of the system

It contains Nodes, dependency, association relationships and it may also contain notes and constraints.

***Deployment Diagram – Corporate Distributed System***

***A screenshot of a cell phone

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