**Name: VEN THON**

**ID: e20191250**

**Group: I5-GIC-C**

**Assignment Discussion04**

1. What is multimedia system?

* Multimedia involves more than simple addition of new data types. It integrates a wide range of symbol modes simultaneously into a coherent framework.

1. Multimedia is multidisciplinary. Why?

Because multimedia is combining or involving several academic disciplines or professional specializations in an approach to a topic or problem.

1. Explain how to track and recognize an object?

* Track object: track some parts of an object, animal, or human or some parts of a whole image.
* Tracking object by image matching (using mesh and point).
* Multiple objects tracking
* Finding objects in clutter
* Recognize object: recognize a whole object, animal, or human.
* Posture detection in images
* Dealing with multiple objects

1. What issues or problems are there when we transmit video and audio through packet network?

* Quality of Service (QoS): Capability of a network provides bad service.
* Synchronization: Coordination of events don’t operate the same time.
* Error and congestion control: When a network node is carrying more data than it can handle, it will reduce QoS. It can make collision.
* Session setup and book keeping: Some service features are missing.

1. Why index is important in multimedia database?

* Multimedia database has to deal with large media files.
* Multimedia data needs new data structures, indexing and searching methods.
* Content based multimedia retrieval is still an on-going research topic.