



ADVANCED MULTIMEDIA DEVELOPMENT (CIC2P13) Tutorial - Week 4

Activity

Group Discussion & Presentation – “Flowcharts and Design Structure” Notes (P13 to P27)

To divide students into groups of 4 to 6 for future group discussions.

To find out the summary for the following main points through group discussion. All students from each group to share their findings.

1. Which part of the Program Development Cycle does flowcharting fall under?

Define flowcharting.

Define, draw and briefly describe the major flowcharting symbols.

2. Define and give an example of the Basic Design Structure => Sequence Structure.

Define and give an example of the Basic Design Structure => Selection Structure.

3. Define the Basic Design Structure => Loop Structure. Give 2 examples of the 2 main loop types.

4. What is the Internal Process? (Define and draw) Why do we need Internal Processes?

What is the External Process? (Define and draw)

5. Lists the major tasks and create a flowchart design solution for the following problem.

You have a list of the name and grade point average (GPA) for all the students graduating at the end of this semester. You want to create a report of the names of all the students who should be included on the dean’s list. To be eligible for the dean’s list, a student must have a GPA of at least 3.5.