HONG KONG INSTITUTE OF VOCATIONAL EDUCATION

Laboratory 6: Software Quality Assurance Standards and Techniques

Module Intended Learning Outcome:

On completion of the module, students are expected to be able to:

- Evaluate and select software quality assurance standards and techniques.

<u>**TASK**</u>**:**

1. What is Software Quality?

2. What are the software quality measurable attributes?

3. Distinguish the difference between quality assurance and quality control.

4. Name two standards or tools that can help to do the quality assurance.

5. Why do some software companies use external testers or at least a separate testing team?

6. Draw a V Model to align testing activities with the software development cycle.

7. What is the advantage of Structured Testing? Why is it still preferred to perform Unstructured Testing by some inexperienced testers?

8. Company Eight is a software development company that develops many mission-critical applications. Management of Company Eight wants to improve the quality of the software and simplify the design to have better customer satisfaction. Which methodology would you recommend Company Eight adopt? Why?