

---

## Assessment Criteria

### Assessment 1

#### Assignment Details and Requirements

Modern computers have evolved from the behemoths of the 1950's and 1960's to the much smaller and more powerful computers that surround us today. Even with all of the great advances in computer technology that have been made in the past few decades, the five basic units of the von Neumann model are still distinguishable in modern computers. Another view of a computer system consists of hardware, operating system, system programs and application programs.

There are many different aspects of a computer system including:

- |                               |                               |
|-------------------------------|-------------------------------|
| 1. Information representation | 11. Web 2.0                   |
| 2. Cache memory               | 12. Cloud computing           |
| 3. Storage                    | 13. Information Security      |
| 4. RAID                       | 14. Cryptography              |
| 5. Parallel processing        | 15. Windows Operating Systems |
| 6. Process management         | 16. Unix Operating Systems    |
| 7. <b>Memory Management</b>   | 17. Linux Operating Systems   |
| 8. Virtual Memory             | 18. Mac Operating Systems     |
| 9. Security                   | 19. iOS/Android               |
| 10. File Management           | 20. etc: _____                |

Select any one of the above topic and write a report of 1500 words. Things to include in the report

1. An introduction to the selected topic
2. A literature survey of the major components of the topic
3. An in-depth discussion of a particular component or application of the selected topic
4. Future trends relating to the topic
5. APA citations (at least 8)
6. Conclusion
7. List of references (at least 8)

You need to use at least five (8) references for your assignment. Students are encouraged to use textbooks or journals, articles or relevant websites. Please DO NOT use Wikipedia as a source of information for assignment.

**Assignment Format**

- Spacing 1.5 with font size 11 using Arial script and justified.
- Include a Reference Page at the end of your assignment.  
Essay must have a finalised bibliography / references on a separate page \in proper APA.