

**FOUNDATION IN SCIENCE AND TECHNOLOGY**

**COURSEWORK COVER SHEET**

**SUBJECT TITLE : BASIC COMPUTER CONCEPT**

**SUBJECT CODE : FSTM3054**

**INTAKE : JULY 2021**

**COURSEWORK TITLE : REVIEW 1 – INDIVIDUAL ASSIGNMENT**

**COURSEWORK** **:** **15%**

The objective of this assessment is:

* To evaluate student’s understanding on technology concepts.
* To encourage students to think critically about the ways technology advancements can

improve our daily lives.

Student Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student ID : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ASSIGNMENT DURATION: 2/8/2021 – 18/8/2021**

Complete the following TWO tasks. Submit both in MS Word document.

Formatting requirements:

Cover page, table of content, images and references. Headings and subheading must be included in the report where necessary. Report must be written in font Times New Roman, size 12 with 1.15 spacing. Justify the paragraph.

Softcopy of the report must be submitted via eLearn. Maximum plagiarism rate: 15%.

**TASK 1 (10%)**

List of topics

1. Internet of Things (IoT)
2. Big Data
3. Cloud Computing
   1. Edge Computing
   2. Cognitive Cloud Computing
4. Augmented Reality and Virtual Reality
5. Blockchain
6. Artificial Intelligence (AI)
7. Cybersecurity
8. Quantum computing
9. RPA (Robotic Process Automation)
10. Dark web

You are required to **choose a computer technology from the given list**. You are to write a report based on your chosen topic. The report should be 2-3 pages in length. This exclude cover page, table of content, images and references.

The report should include but not limited to the following details:

* Introduction of the topic
* Background / evolution of the technology
* The manner in which the technology functions
* The fields in which the technology is applied.
* Findings of the issue you have chosen to explore. It should be ideally supported by facts /statistics/ graphs/ tables/ figures or diagram.
* Success stories
* Risks / benefits.
* Future developments
* Ethical issues / controversies
* Conclusion
* References

**TASK 2 (5%)**

Examine how biometric technology have been utilized by organizations to improve privacy and security. Provide relevant examples in your report.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Topic** | **Poor** | **Average** | **Good** | **Excellent** |
| **1** | **2** | **3** | **4** |
| **Organization** | Details and examples are not organized, are hard to follow and understand. | Information is scattered and needs further development. | Information is logically ordered with paragraphs and transitions. | Information is presented in effective order.  Excellent structure of paragraphs and transitions enhances readability and comprehension. |
| **(Overall order, flow, and transitions)** |
| **Quality of Information** | Unable to find specific details. | Details are somewhat sketchy. | Some details don’t support the report topic. | Supporting details are specific to topic and provide the necessary information. |
| **Introduction** | Introductory paragraph is not apparent. | Introductory paragraph is vague. | Introductory paragraph is clearly stated with a focus. | Introductory paragraph is clearly stated, has a sharp, distinct focus and enhances the impact of the report |
| **Conclusion** | Concluding paragraph is not apparent. | Concluding paragraph is only remotely related to the report topic. | Concluding paragraph follows and summarizes the report discussion and draws a conclusion. | Concluding paragraph summarizes and draws a clear, effective conclusion and enhances the impact of the report. |
| **Grammar & Spelling & Bibliography** | Numerous grammatical and/or spelling errors. Resources not cited in paper or proper format not used. | Three to five grammatical or spelling errors. Some resources are cited but not all.  Not formatted correctly. | Fewer than 3 grammatical or spelling errors. All resources are cited, but formatting isn’t correct. | No spelling or grammatical errors. All resources are cited and appear with correct formatting. |