**MODE 4201**

Introduction to Mobile Development

***Lab 1 – Individual work***

**Note:**

* The report must follow the standard guidelines like
  + Word document
  + Cover page (showing the title of the work, student name, Course code, DC logo, etc.),
  + page numbers, (footer with date and page number)
  + Contents (indicating clearly the **sections** along with the page numbers)
  + Research Findings and comparisons, outputs(screenshots), etc. (Actual materials),
  + References (web links, books)

**Note: You can also create a website instead of doing the report.**

* **Individual Submission (submit the report / web link / all the files)**
* Evaluation

|  |  |  |
| --- | --- | --- |
| **S/N** | **Comments** | **Marks Assigned** |
|  | Report (cover page, footer, contents, references) | 5% |
| Q1 | Mobile Development | 35% |
| Q2 | Mobile Manufacturers | 30% |
| Q3 | Mobile Plans | 30% |

1. **Mobile Development Topic**

Mobile Development is becoming more prominent recently. The topics are given below along with the assignment showing which topic you should do:

|  |  |  |
| --- | --- | --- |
| **S/N** | **Topic** | **Student lastname starting with** |
| 1 | Mobile Device Types: Different types of mobile devices like laptop, phones, etc. | A |
| 2 | Mobile Phone History : past , present and future | B |
| 3 | Mobile Networking | C |
| 4 | Mobile Operating systems | D |
| 5 | Mobile Security | E-I |
| 6 | Mobile Computing in Gaming Industry | J |
| 7 | How Mobile Computing effect an individual? | K-M |
| 8 | Future of Mobile computing | N-Q |
| 9 | Mobile Banking | R-S |
| 10 | Mobile usage in Medical field | T |
| 11 | Internet of Things (IoT) | U-W |
| 12 | Mobile Use in Transportation | X-Z |

You are asked to write a report after selecting the topic to explain in your own word:

* + Around 300 words with two or more related pictures
  + Explain in terms of History, definition/meaning, Timeline, Uses, Advantages, Disadvantages, future, etc. (depending on the topic, pick these headings)
  + Use proper formatting like sections, paragraphs, tables as needed.

1. **Mobile Manufacturer**

There are several mobile manufacturers who produce different phones (Apple, Samsung, Google, LG, Sony, Motorola, Microsoft, Blackberry, etc.). Create a table to compare the latest model from two different **manufacturers** (For example, select Apple and Samsung) in terms of:

* + Manufacturer
  + Phone Model
  + Picture/Photo
  + Price
  + Release Date
  + Operating System
  + Chipset
  + Processor (CPU)
  + Memory (RAM)
  + Memory (Internal)
  + Memory (External)
  + Display
  + Camera (rear)
  + Camera (Front)
  + GPS
  + Battery
  + Battery (Talk time)
  + Battery (standby)
  + Network
  + Synchronization with desktop/laptop
  + Voice enabled
  + Browser
  + Add 2 other features

**Note: Explain briefly about your current phone**

1. **Mobile Plans**

There are several service providers (Bell, Rogers, Wind, Fido, etc.) in Canada. Tabulate the comparison of a plan from two different service providers in terms of :

* + - * Service Provider
      * Plan
      * Calls
      * Data
      * Messaging
      * Global Texting
      * Voice mail
      * Call features
      * Service credits (as free upgrades)
      * Fees
      * Usage policy (Terms and Conditions)
      * Coverage
      * Add 2 other features

**Note: Explain briefly about your current plan**