ASSIGNMENT 1 BRIEF

Qualification	**BTEC Level 5 HND Diploma in Computing**
Unit number	UNIT 13: Computing Research Project
Assignment title	Proposing and conducting a research project
Academic Year	2019 – 2020
Unit Tutor	DO Quoc Binh
Issue date	**Submission date**

IV name and date

Submission Format:

Format: The submission is in the form of 1 document

You must use font *Calibri size 12, set number of the pages and use multiple line spacing at 1.3. Margins must be: left: 1.25 cm; right: 1 cm; top: 1 cm and bottom: 1 cm.* The reference follows Harvard referencing system.

Submission Students are compulsory to submit the assignment in due date and in a way requested by the Tutors. The form of submission will be a soft copy posted on http://cms.greenwich.edu.vn/

Note: The Assignment *must* be your own work, and not copied by or from another student or from

books etc. If you use ideas, quotes or data (such as diagrams) from books, journals or other sources, you must reference your sources, using the Harvard style. Make sure that you know how to reference properly, and that understand the guidelines on plagiarism. *If you do not, you definitely get failed*

Unit Learning Outcomes:

LO1 Examine appropriate research methodologies and approaches as part of the research process

LO2 Conduct and analyse research relevant for a computing research project

LO3 Communicate the outcomes of a research project to identified stakeholders

Assignment Brief and Guidance:

Scenario

Digital Wellbeing is about fashioning and sustaining a healthy relationship with technology. As technology plays a big part in our lives we find ourselves spending an increasing amount of time online and on our devices. Our wellbeing is dependent upon our mental and physical health and thereby our digital wellbeing is influenced by our online interactions and the amount of time we spend on our devices.

Whilst technology and the internet can simplify and enhance our lives they can also be distracting, be a cause of anxiety, and make us feel upset. Being in control of technology enables us to use its full potential and gain all the benefits of it.

This unit will enable students to explore some of the areas of digital wellbeing from the standpoint of a prospective computing professional. It will provide the opportunity for students to investigate digital wellbeing within computing systems and explore the responsibilities and solutions to the problems presented.

The range of topics discussed cover the following

- How to find the balance towards a healthy relationship with devices?
- Are tech companies responsible for the health, safety and wellbeing of users?
- What tools and strategies can a company use to develop a system(s) that addresses digital wellbeing for users?
- What impact will future digital tech have on human wellbeing?

Notice:

You have to set you own research question in the research proposal base on the previous range of topic. The research question must be specific enough example: the audience of the research(job, age..), kind of devices(personal devices, household

appliances…)

The recommended outputs of the research are two reports. The first report should cover at least the following sections:

1. Introduction the purpose of the research

Introduce the research' purpose, main aims and objectives of the project. What the research will do and don't

P1: appropriate research question, aim, related documents in the research proposal(Linked to section 5) **ok**

1. Literature review
   - Discuss research methodologies: primary research, secondary research, qualitative, quantitative, scientific method, research processes, population in research…
   - Specify which research methods will be used to carried out the research
   - Do a secondary research about
     - Discuss Wellbeing: wellbeing and related products
     - AI in your selected topic(for example: the relationship of Wellbeing and smartphones) **ok**
   - Conclusion, propose **initial hypothesis** after the literature review and need to confirm in primary research ok

P2: clearly discuss previous methodologies with examples, academic references

M1: justifications for the choice of methods selected based on philosophical/theoretical frameworks which can be seen in [**section 2 and 3**]

1. Primary research
   - Design of primary research: which techniques will be used to collect data such as interview, questionnaire, experiment,..; the population of the research. All the data collected in this stage must be supplied in the appendix **ok**

P3: clearly provide evidence of carryout primary research in [**section 3**] and in [**section 2**]

M2: Discuss merits, limitations and pitfalls of approaches to data collection and analysis

D1: Critically evaluate research methodologies and processes and use it effectively which can be seen in secondary research and primary research

1. Analyse the result of the primary research

P4: Effective using analytical tools to analyse research findings and data **ok**

P5:

- It should confirm or reject the hypothesis in the literature part with appropriate justification **ok**
- Provide recommendations for improving the system or future research which could enhance the results of the current research. **Doing**

M3:

- Effectively suggest the research's results to some audience(how it is useful for them)

D2: Excellent research with useful findings and recommendations

1. Limitation and improvement in the future in the future **doing**
2. Conclusion

Reference list

Appendix I - Approved project proposal-appendix **ok**

Appendix II - Approved project plan-appendix **ok**

Appendix III - Ethical form **ok**

Appenix IV (optional) - Other materials which collected while conducting primary research: interview scripts, audio, experiment notes-appendix

Learning Outcomes and Assessment Criteria

Pass	Merit	Distinction
LO1 Examine appropriate research methodologies and approaches as part of the research process		
P1 Produce a research proposal that clearly defines a research question or hypothesis supported by a literature review.	**M1** Evaluate different research approaches and methodology and make justifications for the choice of methods selected based on philosophical/theoretical frameworks.	**LO1 & 2**
P2 Examine appropriate research methods and approaches to primary and secondary research.		**D1** Critically evaluate research methodologies and processes in application to a computing research project to justify chosen research methods and analysis.
LO2 Conduct and analyse research relevant for a computing research project		
P3 Conduct primary and secondary research using appropriate methods for a computing research project that consider costs, access and ethical issues.	**M2** Discuss merits, limitations and pitfalls of approaches to data collection and analysis.	
P4 Apply appropriate analytical tools, analyse research findings and data.		
LO3 Communicate the outcomes of a research project to identified stakeholders		
P5 Communicate research outcomes in an appropriate manner for the intended audience.	**M3** Coherently and logically communicate outcomes to the intended audience demonstrating how outcomes meet set research objectives.	**D2** Communicate critical analysis of the outcomes and make valid, justified recommendations.

1. What is your name?
2. What is your email?
3. How often do you use smartphone per day?

- Less than 3 hours
- 3-5 hours
- More than 5 hours
- Other

1. Do you use phone before bedtime?

- Yes
- No

1. what time do you sleep ?

- 10-12 p.m
- 0-1 a.m
- 1-2 a.m
- After 2 a.m
- Other

1. If you don't use your phone and try to sleep before this time, how would you feel?

- Struggled, difficult to sleep

- Annoying and wanting to use the phone
- I can sleep if I want to
- Other

1. How do you feel when you wake up?

- lack of sleep, want to sleep more
- tired
- Good

1. How long has this habit been around for?

- 1-2 months
- 3-4 months
- more than 4 months
- Other

1. Are you irritable in everyday activities?

- Yes
- No

1. How do you feel without your phone?

- Worry
- Normal
- Unpleasant, needy
- Other

1. Do you regularly check your phone for notification?

- Yes
- No

1. How often do you check your phone for notification?

- 1 - 2 minutes / time
- 3-5 minutes / time
- 6-7 minutes / time
- more than 7 minutes / time
- Other

1. Sometimes you feel your phone vibrate like notification or incoming call, but when you check again nothing?

- Always
- Sometimes
- Rarely

1. Why do you feel worried when your phone battery runs out?

- Can't play the game
- Cannot connect with others
- I do not know
- Other

1. Do you feel comfortable using your phone to communicate, connect with others or meet in person?

- By phone
- Meet in person

- Other

1. When a stranger comes to ask a story, do you often look at smartphone even though there is not notification or phone call?

- Yes
- No
- Other

1. Does using your phone make you spend less time with family (less talking,sharing)?

- Yes
- No
- Other

1. During your family time, what purpose do you use your phone?

- Texting
- Social media news
- Playing gaming
- Other

1. If your phone is out of power, what will you do?

- Charge the phone and use it.
- Watch TV
- Talking with others

1. When going out with friends (cafe, ..), do you use your cell phone when the atmosphere is quiet?

- Yes
- No

1. When in that atmosphere, how do you feel without a phone?

- Stress
- Confused
- Normal
- Uncomfortable
- Other

1. Do you often initiate stories for that silent atmosphere?

- Yes
- No

1. Will the phone distract you while studying by yourself?

- Yes
- No

1. Have you ever been studying and received a text message, you reply to that message and unconsciously use your phone and forget to study?

- Always
- Sometimes
- Rarely
- Other

1. In the course of class, how did the phone distract you from studying?

- Incoming messages and notices.
- Surf the web because it's more fun than learning
- Both reasons above
- I am not distracted by phone in studying
- Other

1. Do you often ask the teacher when you have a question?

- Wait for the teacher to come up and ask
- Ask directly
- Go home and study the problem
- Other

1. Are the study results as you expected?

- Yes
- No
- It's not too bad and not too good but it's acceptable

1. Do you feel pressured to study?

- Yes
- No
- A little bit

About Primary research:

I choose the primary research method because it have the following benefits: Better data analysis, no need to worry about ownership issues,etc. Besides, it also has some limitations such as: high cost, spend time doing research, information provided may not be incorrect, resources are needed to conduct research (interviews, data analysis, etc). (Driscoll, 2011)

About secondary research:

Secondary research is one that is based on data collected from other relevant studies (questionpro, 2019).

I chose secondary research because it have the following benefits: The information is readily available and the source of data is large and does not cost much to obtain data. No research time is wasted as the data are available.

The disadvantage is he reliability of the data must be carefully selected. Required data may not be updated for long periods of time. Research results may depend on the quality of such research.