**ASSIGNMENT 1 FRONT SHEET**

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| **Qualification** | **BTEC Level 5 HND Diploma in Computing** | | |
| **Unit number and title** | Unit 13:Computing Research Project | | |
| **Submission date** |  | **Date Received 1st submission** |  |
| **Re-submission Date** |  | **Date Received 2nd submission** |  |
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| **Student declaration**  I certify that the assignment submission is entirely my own work and I fully understand the consequences of plagiarism. I understand that making a false declaration is a form of malpractice. | | | |
|  |  | **Student’s signature** |  |

**Grading grid**

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| P1 | P2 | P3 | P4 | P5 | M1 | M2 | M3 | D1 | D2 |
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| **❒ Summative Feedback: ❒ Resubmission Feedback:** | | |
| **Grade:** | **Assessor Signature:** | **Date:** |
| **Internal Verifier’s Comments:** | | |
| **Signature & Date:** | | |

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# Introduction

I'll introduce wearable medical devices in this report. The focus of the research will be made clear. As a result, both the primary study and the secondary research will be discussed in this work. There will be research-related questions and issues on the subject of wearable medical devices. Data from interviews and surveys will be gathered and documented. They will also be evaluated, and conclusions will be made.

# I. Introduction the purpose of the research

## I.1. Purpose of the research

A new technological era is emerging, and with the advent of technology 4.0, we have witnessed a significant digital transformation across numerous industries. The health industry is comparable to other sectors of the economy. The digital transition has advanced greatly thanks to wearable medical technology. These tools make it simple for hospitals and users to maintain and conduct research that enhances public health. Through this study, we will discover more about how these technologies can change people's lives.

## I.2. Research’s scope and objectives

Research scope:

We want to make things simpler and more convenient in practically every aspect of our lives. If there is something we need to do, we want it to fit into our schedules as easily as possible. This is the major justification for the widespread use of wearable technology in healthcare, especially for preserving and monitoring our health. Medical wearables monitor a patient's health, detect anomalies, and even treat medical diseases using sensors, actuators, software, and electronic patches applied to the skin. Wearable vital signs monitor, a smart watch glucose monitor, or wearable pain management devices are a few examples. This study will demonstrate the types and the impacts of those devices on human life.

Students in Hanoi serve as our research subjects as we study wearable medical gadgets that have a positive impact on life. We shall examine study data on these gadgets here. For the most comprehensive understanding of people's experiences and viewpoints, we will conduct interviews, surveys, and explore secondary data sources.

Research objectives:

We conduct research on the many wearable medical device categories, user demographics, and activities. Discovering its advantages for users and its impact on public health is our aim. We are interested in the outcomes of wearable medical technology and why. There will be inquiries like:

* What are wearable medical devices?
* What are wearable medical devices used for?
* What advantages do wearable medical devices offer?
* What advantages do wearable medical devices have for general health?
* Should people uses wearable medical devices?