**WHAT IS THE FUTURE OF INFORMATION TECHNOLOGY: AUTOMATION AND EXPECTED IMPACT**

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**DECLARATION**

This project titled the future of IT: Automation is my original work and has not been submitted or presented to any other university or organization.

Signature………………………………...Date……………………………

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This project has been submitted with the approval of undersigned university supervisor.

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**ABSTRACT**

Change in information technology is not just inevitable but also cannot be controlled. You can either adjust to its pace or drag behind. People have not come to terms with the reality and weight of this fact. They do know it is happening, but their efforts in preparing for it is missing. One area under this growth is Automation. All sectors are undergoing this every day. Sectors such as agriculture, finance, education, and many more are experiencing automation. The purpose of this research is to create awareness of what we need to do to embrace automation in its total capacity. The future is knocking twice as hard, especially for people without any technical skills. We need to know some of the activities currently at play and their impacts on human life and applied fields.

Keywords: technology, impact, skill, automation, change, AI, Robots, embrace.

**TABLE OF CONTENTS**

**Declaration…………………………………………………………………………………. ii**

**Abstract……………………………………………………………………………………...iii**

**CHAPTER 1**

**Introduction………………………………………………………………………………………1**

**1.1 Background of the study…………………………………………………………………….1**

**1.2 Statement of the problem……………………………………………………………………2**

**1.3Objectives……………………………………………………………………………………...2**

**1.4 Research Questions…………………………………………………………………………..3**

**1.5 Justifications………………………………………………………………………………….4**

**1.6 Scope of the study………………………………………………………………………...….4.**

**CHAPTER ONE**

**INTRODUCTION**

**1.1 Background of the Study**

There has been enormous automation, and the emergence of robots, and AI machines over the past few years. Their objective is not only to make work easier but also to minimize errors. This research has been driven by the lack of general awareness of what is being expected. There have been dire predictions on the effects and the kind of automation to take place in the future.

People expect that the world will be a better place with robots and other AI machines. Of course, this is true however, a lot of information is missing. How about getting ready for these machines and changes? Most people are just moving on with their lives as inventors continue inventing and creating technology. People are going to lose jobs but the fields expected to be automated even sooner are still offered in universities and other institutions for the job market.

There is, therefore, a need to create awareness of how real this is. We disclose some of the projects that are being implemented right now, Automation that is going to be successful soon, advantages, effects, and weigh whether people are ready for it.

**1.2 Statement of the problem**

There have been several reports on automation. Most of them are specific on the grounds of automation. For example, there have been reports on automation in financial technology, Business, In Education, Management, and several other sectors. The problem is while these reports acknowledge the expectations in each sector, they do not explicitly feature the general automation. They do not guide people on how to prepare for the changes. For example, when Education is fully automated

What does that mean for students without computer literacy? Are institutions preparing students for this? The financial automation business is embracing automation so much that some businesses do not deal with cash at all. Are people ready for when businesses embrace this fully? This will be a disaster for people without basic computer knowledge. They think they do not need it and right there is the problem. We want to discuss what life is expected to be like in a world of automation.

**1.3 Objectives**

**a) General objective**

To create general awareness of the fact that automation is happening, illustrate some of the activities or automation projects already started and how we need to get ready for when it happens.

**b) Specific Objectives**

1. To learn of automation projects currently being implemented.
2. Effects of automation
3. How people are preparing for specific automation.
4. To examine the efficiency of people's knowledge of automation and their expectations.
5. To paint a realistic future automated world with general timelines.

**1.4 Research Questions**

The research will be guided by the following questions

1. What is automation?
2. What do people know about automation?
3. What are the effects of automation on the workforce?
4. How are people getting ready for automation?
5. What are some of the automation projects currently being developed?
6. What skills are needed in the embrace of automation?

**1.5 Justifications**

This research is to prepare everyone for the changes that are going to occur in the future. The current youth will especially benefit from the awareness as they are the future. If we refer to some of the problems the previous generation is going through due to a lack of literacy skills, we will understand better. Grandparents are living their future today, a world they did not anticipate, with Languages they do not know.

The report is therefore a good guide for everyone but emphasizes youth awareness.

**1.6 Scope of the study**

This study is limited to third-world countries. These are areas that can highly be affected by lack of awareness and therefore, the study will be around some of the countries in the above bracket; East-African countries.