

## **Summative/Integrated Assessment**

**SECTOR: ICT**

**SUB-SECTOR: IT**

**Academic Year: 2023/2024**

**Module Name: Python and Fundamentals of Artificial Intelligence (AI)**

**Module Code: ITLPA 701**

**RTQF Level 7 IT**

**Module credits:10**

**Maximum marks: 30**

**Semester: I**

**Module Examiner: BIZIMANA Zephania**

**Moderator: -MAHEREZO Joseph**

**-NIYIGABA Ephrem**

**Date: ...../..... /2024**

The Click Ltd is software developing private company located in Kigali Nyarugenge district in 8th floor of Kigali City Tower (KCT). The company knows that many Rwandans want to buy things online but they have a problem of knowing which online website to. The company wants to help people getting the products from existing website (www.amazon.com) and get the commission fee of 10% of each product price. The company wants to hire a developer who can develop an intelligent web based application which will be connected to one of the most popular online shopping websites (www.amazon.com) and get the products list. Using Python programming language, you are asked to develop basic web page following the described scenario and instructions:

1. Your program will receive a product name from a user/client input

2. Upon received product name, your program will remotely connect to [www.amazon.com](http://www.amazon.com) , search the same product and return the list of all products with the following information: Product\_Name, Product\_Price, Commission\_fee, Total\_price, global\_rating, retailer\_name, Retailer\_email, and Product\_picture\_name.

3. Commission\_fee: is 10% of the product price

4. Total\_price: is the summation of product price and commission fee.

5. The program will automatically download and save the list of the products in excel sheet file on user desktop computer with the following name format: "YourfirstName\_LastName\_registrationNumber".

6. The picture of each product will be saved in a separate folder called "Online\_Pictures".

The Program is needed in four (4) hours.