**CHAPTER 1**

**INTRODUCTION**

The online shop engine Automation is a Robotic Process Automation (RPA) Project. This is mainly created to purchase products from different websites in the same webpage with comparison of prices and brands. Once the user login to the webpage they can easily compare and buy products without surfing into different websites.

* **PROBLEM DEFINITION**

In the existing system, the user has to surf different shopping websites to purchase a product in online. Because of this. It takes excessive time to compare same product with different sellers. Therefore in our proposed system all the products from different shopping websites are automated and shown in single webpage which saves lots of time while shopping online.

* **OBJECTIVE OF THE PROBLEM**

The proposed system consists of 4 modules : Data-Scraping the products from different shopping websites are automated and shown in the single webpage. Automatically the bot monitors the customers search product and automate it from all the shoping websites into a single webpage. By using this we can reduce a lot of time for the customers to buy best products.

* **SIGNIFICANCE OF THE PROJECT**

UiPath is a free, fully-featured and extensible version of our automation tool. This platform delivers the fastest and most reliable RPA that enhances business performance at unlimited scale. It is easy to use, highly responsive, and instantly scalable to allow you to build the process.

RPA tools are defined as non-integrated, stand-alone software for laptops and workstations. UiPath is recognized worldwide for product leadership and technical excellence. RPA is the largest in the industry, the most active in the automation field.

**A UiPath feature has three main products:**

* **UiPath Studio-** It designs automation process using diagrams, which are visually appealing
* **UiPath Robot-** Executes the UiPath Studio Processes
* **UiPath Orchestrator –** It is an application that deploys, manages, and monitors processes/robots

UiPath Robots and Executors interact with huge amounts of data at the same time. We can run a process either on a single, or multiple robots or any specified number of robots and can group them in the environment.

UiPath Studio software automates back-office repetitive tasks. It is one of the tools used in automating business processes. It converts each task into UI automation, thereby making work easier and quicker. Multiple workflow designs are available in Studio. UiPath Studio comes with a debug component that easily locates problems within complex workflows. This easily verifies the execution activity and observes if there are any errors in the output.

**CHAPTER 2**

**LITERATURE REVIEW**

A literature review is a text of a [scholarly paper](https://en.wikipedia.org/wiki/Scholarly_paper), which includes the current knowledge including substantive findings, as well as theoretical and methodological contributions to a particular topic. Literature reviews are [secondary sources](https://en.wikipedia.org/wiki/Secondary_sources), and do not report new or original experimental work. In Robotic Process Automation (RPA) is the use of software with capabilities to handle high-volume, repeatable tasks that previously required a human to perform. It aims to use a computer to manipulate existing application software in the same way that a person works with those systems and the presentation layer to perform a specific task. This technology increases the productivity for human employees who no longer are tasked with boring work.

In proposed system, according to the customers search request the automated bot enters into different shopping websites and show the requested product in the single webpage to compare and buy products in the small amount of time.

**Reference :**