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**Review:**

# **AUTOGENIUS**

**Batch Number:A10**

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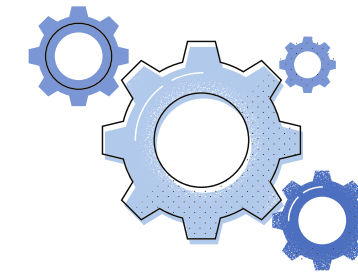
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**srishakthi.ac.in**

# OBJECTIVES



- The main objective of "Auto Genius" is to empower users by providing a fast, transparent, and user-friendly platform for accessing real-time Trending Information.
- By automating data collection and analysis, we aim to simplify the process of staying informed.
- Our service ensures that users can easily find and reference relevant information, enhancing their engagement with the latest developments in Trending Information while facilitating informed decision-making.

# INTRODUCTION

- "Auto Genius" utilizes web scraping techniques, employing "BeautifulSoup" to automatically gather and parse valuable information from various online sources.
- The platform consolidates essential data, including specifications, prices, user reviews, and availability, into a single interface, making it easy for users to access and compare information.
- The frontend of the platform will be developed using the Flutter framework, while the backend will be built with Python.



# PROPOSED SYSTEM

| Features                       | AutoGenius                                        | Existing System                                                |
|--------------------------------|---------------------------------------------------|----------------------------------------------------------------|
| <b>Real-Time Updates</b>       | <b>Provides live pricing and news updates</b>     | <b>Often outdated- manual methods can't keep up.</b>           |
| <b>User-Friendly Interface</b> | <b>Simple and easy to navigate for all users</b>  | <b>Many tools are complex and require technical knowledge.</b> |
| <b>Comprehensive Coverage</b>  | <b>Offers a wide range of topics and products</b> | <b>Often focused on a narrow range of data.</b>                |



# SYSTEM SPECIFICATION



## Hardware Requirements:

- Processor - Dual Core for Both Server, RAM-8GB, Storage- 256GB, Device Requirements for Users: Smartphones with at least 2 GB RAM and Android 5.0 / iOS 11 or higher.

## Software Requirements:

Operating Systems- Windows , MacOS, LinusOs

| Frontend Requirements                                                                                                                                                        | Backend Requirements                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flutter SDK: Latest version for building the frontend.                                                                                                                       | Python - version: 3.7 or higher                                                                                                                                                                                                  |
| Dart: Programming language for Flutter development.                                                                                                                          | BackEnd Libraries                                                                                                                                                                                                                |
| Dependencies <ul style="list-style-type: none"><li>• http: For making API calls to the backend.</li><li>• flutter_local_notifications: For handling notifications.</li></ul> | <ul style="list-style-type: none"><li>• Flask: Web framework for building the backend.</li><li>• BeautifulSoup: For HTML parsing.</li><li>• Selenium: For web automation.</li><li>• Scrapy: For advanced web scraping.</li></ul> |

# REFERENCE

<https://www.geeksforgeeks.org/python-web-scraping-tutorial/>

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<https://www.geeksforgeeks.org/web-scraping-in-flutter/>

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# THANK YOU