



**AISSMS**  
INSTITUTE OF INFORMATION TECHNOLOGY  
ADDING VALUE TO ENGINEERING



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# THE Price Analyzer

Why to spend? When you can Save!

## Team Members

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# Project Objectives

- It would minimize the customer efforts to recognize the **reduction in the price of a product**, if the tracking of product price is made easy.
- Customers will be **notified** as soon as the price of the product they selected or have **added to cart** drops below a certain value.
- We would also be focusing on adding more features to our iOS/ Android application as compared to the web interface to select products from various shopping websites.
- For iOS/Android application: **Flipkart, Amazon, Myntra , Ajio**
- For Web Interface: **Flipkart, Amazon**

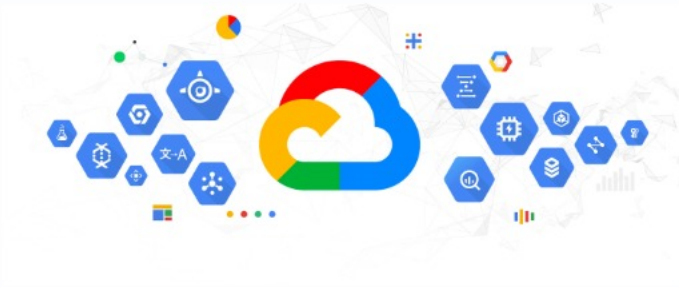
# Literature Survey

- Uzun et al. propose a hybrid approach that has two steps: the first step uses a **DOM (Document Object Model)** tree for learning extraction patterns and the second step eliminates DOM Tree creation for **efficient Extraction**.
- Numerous researchers have been developed a schema guided approach to get data from HTML pages by representing an **HTML document as a tree-like structure** which is leaf node represent a data.
- Vadreu et.al, used presentation regularities and the domain knowledge to develop an automated IE system that automatically transform HTML page into **semi-structured hierarchical document** with no regards to the domain.

# Overall Architecture



# Tech Stack



Google Cloud Platform



Firebase



React



NodeJs



Scripting Language



# Steps for Building

- Need to understand and analyze the webpage Pattern of targeted E-commerce Enterprise.
- Developing a Script to access the particular Data from the targeted sites.
- Program should execute on the cloud once in a day using **GCP** functions like **PUB SUB** function.
- If price is dropped then get back to the User using **Gupshup** API for whatsapp, SMS, and Email as well
- **Happy Shopping !**