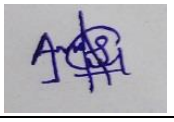
MES COLLEGE OF ENGINEERING, KUTTIPPURAM
DEPARTMENT OF COMPUTER APPLICATIONS
20MCA245 – MINI PROJECT

PRO FORMA FOR THE APPROVAL OF THE THIRD SEMESTER MINI PROJECT

(Note: All entries of the pro forma for approval should be filled up with appropriate and complete information. Incomplete Pro forma of approval in any respect will be rejected.)

Mini Project Proposal No : _____ *(Filled by the Department)*	Academic Year : 2021-2022
	Year of Admission : 2020

1. Title of the Project : DATA MINER AND ANALYSER FOR ECOMMERCE
2. Name of the Guide : Mr. Vasudevan T V
3. Number of the Student: MES20MCA-2027
4. Student Details (in BLOCK LETTERS)

Name	Roll Number	Signature
1. MOHAMMED AJNAS.K	27	

Date: 01/12/2021

Approval Status : Approved / Not Approved

Signature of
Committee Members

Comments of The Mini Project Guide Dated Signature

Initial Submission :

First Review :

Second Review :

Comments of The Project Coordinator Dated Signature

Initial Submission:

First Review

Second Review

Final Comments :

Dated Signature of HOD

Introduction:

In today where people prefer shopping online rather than traditionally so we need system which saves our time and money.These large number of ecommerce website put users in turmoil to search and choose to buy a single product from multiple ecommerce website.With the system a customer will simply search for the product he wants and the system will mine the web and display the same product from several websites.The proposed solution helps online users to grab best deal for their product from multiple ecommerce websites on single web interface.

Objectives:

- Our objective here is to build a system which will provide the customer with the same product from different websites at one place
- This system will effectively recommend the customers with product of their likelihood hence making their shopping experience better
- it will help the customer compare and decide as to which will be the best option for them thus making their shopping experience faster and more efficient
- The DATA MINER AND ANALYSER FOR ECOMMERCE SYSTEM will recommend the appropriate product to the customer in an automated manner which will save time and money

Problem Definition:

It will help the customer compare and decide as to which will be the best option for them thus making their shopping experience faster and more efficient.The system recommend the appropriate product to the customer in an automated manner which will save time and money.

Basic functionalities:

- Through data mining and analyzing,this project will filter out the user's product and will present a graph comparing prices all at one screen.
- This will also allow users to analyse prices and select products from same category for comparing its features.

Web Scrapper:

- Web scrapping is used to extract html data from url's and use it for personal purpose
- As this is price comparison website data is scrapped from multiple e-commerce websites
- In the system scrapping is done using python libraries like REQUESTS AND BEAUTIFULSOUP4
- BEAUTIFULSOUP4 is a python library which is used for parsing html page
- Using these, product information from different e-commerce sites is scrapped and stored in database

Analysis and Visualization:

- Data Analysis is the process of bringing order and structure to collected data.it turns data into information teams can use

HARDWARE AND SOFTWARE REQUIREMENTS

HARDWARE REQUIREMENTS

The selection of hardware is very important in the existence and proper working of any software. Then selection hardware, the size and capacity requirements are also important.

- Processor : Intel Pentium Core i3 and above, 64 bits
- RAM : Min 3GB RAM
- HARD DISK: 10 GB

SOFTWARE REQUIREMENTS

One of the most difficult task is selecting software for the system, once the system requirements is found out then we have to determine whether a particular software package fits for those system requirements. The application requirement:

- OPERATING SYSTEM: WINDOWS 10
- FRONT END: HTML, CSS, JAVASCRIPT
- BACK END: Mysql
- IDE USED: Jetbrains Pycharm,
- TECHNOLOGY USED: PYTHON
- FRAME WORK USED: Flask
- LIBRARIES:Numpy,Matplotlib