

Faculty of Engineering and Technology

Minor Project Work/Internship – Student Log Book

Project Batch ID

NWC08569

Degree/ program	B.Tech/ CSE	Specialisation	Cyber Security	NWC08569
Academic Year	2021-2022	Semester	8	
Name of student	Register Number	Department	Mobile Number	Email ID
Sachin Verma	RA1811030010085	CSE	9896297313	sv2401@srmist.edu.in
Akshat Goel	RA1811030010069	CSE	9205144564	ag9277@srmist.edu.in
Course Code	18CSP109L	Course Title	Major Project	

Mission Statement

This Project is intended to extract and analyse the various data available on the marketplace such as Price, rating and rating count

Working Title of the Project:		Optimal Product Price Analyzing System	
Project Site / Location		SRMIST, KATTANKULATHUR	
Name and address of the company / organisation (Applicable for projects with industry or industry support)		SRM University, Kattankulathur, Chengalpattu District-603203	
Supervision Team			
	Supervisor	Co-Supervisor	External Supervisor (If applicable)
Name	Dr. Prabakeran S.		
Designation	Assistant Professor		
Department	Department of Networking and Communications		
Campus	Kattankulathur		
Telephone	942394880		
E-mail	prabakes@srmist.edu.in		

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Problem (or) Product Description:
<ul style="list-style-type: none"> ● to find the optimal price of the product from Ecommerce websites
<ul style="list-style-type: none"> ● comprehensively includes a variety of important techniques, such as analyzing, modeling, visualization and evaluating.
<ul style="list-style-type: none"> ● broad application prospects in areas such as price monitoring, news monitoring, trend recognition and lead generation.
Assumptions and Constraints - Limited to websites with No-Human detection captchas
Stakeholders : Akshat Goel, Sachin Verma

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Division of work and contributors

Time period		Activities or components of the project	Name/Register Number of the Individual Contributor	Names/Register Number of the Joint Contributors
From Date	To Date			
15/01/22	28/01/22	Research and Presentation	Sachin Verma	
17/01/22	30/01/22	Development/Coding	Akshat Goel	
1/02/22	14/03/22	Research on implementation and presentation	Sachin Verma	
1/02/22	15/03/22	Development UI/ Coding	Akshat Goel	
5/03/22	15/03/22	Worked on implying suggestions given by panel	Akshat Goel	Sachin Verma
18/03/22	23/04/22	Final Paper Work	Sachin Verma	Akshat Goel
18/03/22	22/04/22	Final UI and Backend	Akshat Goel	Sachin Verma

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Summary record of major progress meetings with supervisors

Summary record of major progress meetings with supervisors			Working title of dissertation/research project:	
Meeting date & supervisors present	Progress since last meeting	Agreed programme of work and target dates	Other issues, e.g. facilities, supervision, training needs, etc.	Date of next meeting
31/01/22 Entire Panel	First Review	Work Accepted	Needs improvement in database	17/03/22
17/03/22	Second Review	Work Accepted	Need some final touches and proper paperwork	26/04/22
25/04/22	Third Review	Work Accepted	Need to make alignment changes in project report	31/04/22

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Worksheet / Data collection / Observation etc

For our research, we use two marketplace/ e-commerce websites for extracting product prices such as mobile phones, electronic gadgets such as camera, printer, charger etc. We need to find the XPath of the data which we need to extract. We can do so by inspecting the web page by right clicking on the page and go to inspect element and then copy XPath. We need to look into the web page to identify which element contains the information we want to extract.

Let's take an example of a product to understand the input dataset

Device Name - Blue - Iphone 12 (64GB)

Product Type - Mobile Phone

Product URL - <https://www.amazon.in/New-Apple-iPhone-12-64GB/dp/B08L5WHFT9/>

Data element of Price - `//*[@id="corePrice_desktop"]/div/table/div/tbody/tr[4]/span[2]span[1]/td[6]`

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Journal Publication

- Engineering and Applied Science Research (Submitted)
- ICMETE2022 (6TH International Conference on Micro-Electronics and Telecommunication Engineering) (Submitted)

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