**MINI PROJECT – II REPORT**

ON

“**Price Comparison using Web-scraping and Data Analysis**”

*A Mini Project- II report submitted in partial fulfillment of the requirement for the award of Degree of*

# Bachelor of Technology

(Sixth Semester)

**In**

**COMPUTER SCIENCE & ENGINEERING**

Session 2022-2023

**Prescribed By**

*DBATU University, Lonere*



**Guided By Submitted By**

***(Prof. Vrushali Aware)* “Faizan Raza Sheikh”**

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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**RAJIV GANDHI COLLEGE OF ENGINEERING RESEARCH & TECHNOLOGY, CHANDRAPUR.**

**Session 2022-2023**

# CERTIFICATE

This is to certify that, **Mr. Faizan Raza Sheikh (CSEA650),**

**Mr. Hrishabh V, Petkar (CSEA630)** and **Mr. Abdul Malik**

**Sheikh(CSEA602)** ans **Mr. Harsh Lalchand Kose (CSEA629)** and

**Ms. Aditi Chanderkar (CSEA601)**. Studying in Sixth Semester

Department of COMPUTER SCIENCE & ENGINEERING,

have completed the Mini project - II

“Price Comparison using Web-scraping and Data Analysis”

*satisfactorily during the Academic Session 2022-2023 from Rajiv Gandhi College*

*of Engineering Research & Technology,*

*Chandrapur.*

***Project Guide Project Incharge***

**(Prof. Vrushali Aware)**  **(Prof. Madhavi sadu)**

**Dr. Nitin Janwe**

***H.O.D.***

***CSE RCERT, Chandrapur***

Rajiv Gandhi College of Engineering Research

& Technology, Chandrapur

**Department of Computer Science & Engineering**

## Institute Vision

To be on forefront to impart quality education to address societal and industrial needs and imbibe career skills through perseverance and practice.

**Institute Mission**

**M1. To adapt innovative student centric learning methods based on** understanding and practice.

**M2**.To enhance professional and entrepreneurial skills.

**M3.**To motivate students to meet dynamic needs of the society with novelty and creativity.

**M4**.To promote research and continuing education to keep the country ahead.

**M5**.To promote the mindset to acquire local solutions to local problems (LS2LP).

### Department Vision

To be a centre of excellence in Computer Science & Engineering by imparting knowledge, professional skills and human values.

### Department Mission

**M1.** To create encouraging learning environment by adapting innovative student centric learning methods promoting quality education and research.

**M2**. To make students competent professionals and entrepreneurs by imparting career skills and ethics.

**M3.** To impart quality industry oriented education through industrial internships, industrial projects and partnering with industries to make students corporate ready.

Rajiv Gandhi College of Engineering Research & Technology, Chandrapur

**Department of Computer Science & Engineering**

### Program Educational Objectives

**PEO1:** Impart quality industry oriented education, strong fundamentals and problem solving approach through student centric learning methods for product development and handle real time problems.

**PEO2:** Possess good communication skills and ethics in line with corporate environments to serve the industry & society.

**PEO3:** Create Competent Professionals & entrepreneurs by imparting Career skills, leadership qualities and research

**Program Specific Outcomes:**

**PSO1:** **Foundation of Computer System:** Ability to understand the principles and working of computer systems. Students can assess the hardware and software aspects of computer systems.

**PSO2:** **Foundations of Software development:** Ability to understand the structure and development methodologies of software systems. Possess professional skills and knowledge of software design process. Familiarity and practical competence with a range of programming languages and platforms like Cloud Computing, Web based and Mobile applications, Image and Video Processing, Artificial Intelligence & Machine Learning.

**PSO3:** **Foundation of mathematical concepts:** Ability to apply mathematical methodologies to solve computational tasks, model real world problems using appropriate data structures and suitable algorithms.

Rajiv Gandhi College of Engineering Research & Technology, Chandrapur

# Department of Computer Science & Engineering

Third Year (6th Sem)

Project Title: **Price Comparison using Web-scraping (Sec A) (Group 10)**

Project PO/ PSO Attainment

|  |  |  |
| --- | --- | --- |
| PO/PSO | Attainment  (level1=low,2= moderate,3=High) | Description |
| PO1 | 3 | In this project work, engineering knowledge is applied at highest level. |
| PO2 | 3 | In this project work, Problem analysis is done at highest level. |
| PO3 | 3 | In this project work, Design/Development of Solutions is applied at highest level. |
| PO4 | 2 | In this project work, conduction of investigations of complex problem is done at moderate level. |
| PO5 | 2 | In this project work, modern tool usage is applied at moderate level. |
| PO6 | 3 | In this project work, the engineer and society concept is applied at highest level. |
| PO7 | 2 | In this project work, the environment and sustainability concept is applied at moderate level. |
| PO8 | 1 | In this project work, Ethics exists at lowest level. |
| PO9 | 3 | In this project work, Individual and teamwork exists at highest level. |
| PO10 | 3 | In this project work, Communication exists at highest level. |
| PO11 | 1 | In this project work, Project management and finance exists at lowest level. |
| PO12 | 3 | In this project work, Life Long Learning exists at highest level. |
| PSO1 | 3 | In this project work, Foundation of computer System exists at highest level. |
| PSO2 | 2 | In this project work, Foundation of Software Development exists at moderate level. |
| PSO3 | 1 | In this project work, Foundation of mathematical concepts exists at lowest level. |

**Prof. Vrushali Aware**

# Signature of Mini – Project II Guide

**Acknowledgement**

I would like to express my heartfelt appreciation to everyone who has contributed to the successful completion of this project on price comparison using web scraping and data analysis. Without your support, dedication, and expertise, this accomplishment would not have been possible.

First and foremost, I am immensely grateful to my guide **[Prof. Vrushali Aware],** whose guidance and mentorship were invaluable throughout the entire project. Your insightful feedback and encouragement motivated me to explore new techniques and overcome challenges. Your expertise in the field of data analysis greatly influenced the direction of this project and enhanced its overall quality.

I would like to extend my sincere gratitude to the entire team, who provided me with the necessary resources and a conducive environment to carry out this project. Your support in acquiring the required data and the provision of necessary tools and software were instrumental in the success of this endeavor.

I would like to express my appreciation to my fellow colleagues and friends who provided valuable insights and suggestions throughout this project. Your discussions and brainstorming sessions significantly contributed to the clarity and depth of the data analysis.

This project has been a significant learning experience for me, and it would not have been possible without the collective effort and collaboration of all those mentioned above. I am grateful for the opportunity to work on this project and for the valuable lessons it has taught me.

Thank you once again for your support, and I look forward to continuing my journey in data analysis with the knowledge and experience gained from this project

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