



**FINAL YEAR PROJECT REPORT**

**FOOD RECIPE RECOMMENDATION  
SYSTEM**

In fulfillment of the requirement  
For degree of  
BS (COMPUTER SCIENCES)

By

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## DECLARATION

We hereby declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions.

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# Food Recipe Recommendation System

## ABSTRACT

Since the evaluation of World wide web from social networks to ecommerce the goal of every system is to get more business. In last few decades online systems use timestamp for recommendations whereas the source of data increase. Now systems use user preference for recommendations i.e., Collaborative Recommendations. The technique of collaborative filtering is especially successful in generating personalized recommendations. More than a decade of research has resulted in numerous algorithms, although no comparison of the different strategies has been made. In fact, a universally accepted way of evaluating a collaborative filtering algorithm does not exist yet. In this work, we compare different techniques found in the literature, and we study the characteristics of each one, highlighting their principal strengths and weaknesses. Several experiments have been performed, using the most popular metrics and algorithms. Moreover, two new metrics designed to measure the precision on good items have been proposed. The results have revealed the weaknesses of many algorithms in extracting information from user profiles especially under sparsity conditions.

# TABLE OF CONTENTS

<b>DECLARATION</b>	<b>ii</b>
<b>APPROVAL FOR SUBMISSIONS</b>	<b>iii</b>
<b>COPYRIGHT</b>	<b>iv</b>
<b>DEDICATE</b>	<b>v</b>
<b>ACKNOWLEDGEMENT</b>	<b>vi</b>
<b>PROJECT STATUS</b>	<b>vii</b>
<b>ABSTRACT</b>	<b>viii</b>
<b>TABLE OF CONTENT</b>	<b>ix</b>
<b>LIST OF TABLES</b>	<b>xi</b>
<b>LIST OF FIGURES</b>	<b>xii</b>

## CHAPTER

<b>1. INTRODUCTION</b> .....	<b>13</b>
1.1. Recommender System.....	16
1.2. Aims and Objectives .....	17
1.3. Scope and Outcome .....	18
1.4. Final Deliverable of the project .....	18
<b>2. LITERATURE REVIEW</b> .....	<b>19</b>
2.1. Collaborative Filtering .....	19
2.2. User-Based Collaborative Filtering .....	20
2.3. Content-Based Filtering .....	21
2.4. Data Mapping.....	22
2.5. Related Research Papers .....	25
<b>3 METHODOLOGY</b> .....	<b>26</b>
3.1. Data Acquisition .....	26
3.2. Pre-Processing.....	26
3.3. Algorithm Research .....	27
3.4. Testing Of Algorithm On Your Dataset.....	27
3.5. Comparison & Validation .....	28

3.6. Finalization.....	28
3.7. Testing.....	28
3.8. Gantt Chart.....	29
3.9. Resource Estimation .....	29
3.10. Key Milestone.....	30
3.11. Mobile App .....	31
<b>4. IMPLEMENTATION .....</b>	<b>33</b>
4.1. Python Libraries.....	33
4.2. Python Code.....	39
4.3. Front-End .....	46
<b>5. RESULT &amp; DISCUSSION.....</b>	<b>47</b>
<b>6. CONCLUSION .....</b>	<b>48</b>
<b>REFERENCES.....</b>	<b>50</b>