TABLE OF CONTENTS

**Sr. No.** **Topics**   **Page No.**

1. Abstract 1
2. Introduction 1
3. Objective of the project 2
4. Preliminaries 3
5. Collaborative filtering 3

b) Voronoi diagram 3

c) Pearson correlation coefficient 4

1. Past Works 5
2. Our Contribution 5
3. Implementation 6
4. Dataset Used 7
5. Decomposition Algorithm 8
6. Recommendation Algorithm 10
7. Experiments And Results 11

a) Test Case 1 13

**Sr. No.** **Topics**   **Page No.**

b) Test Case 2 14

12. An GUI Application 15

13. Program code (Handling dataset) 16

14. Conclusion 45

15. References 45