

TABLE OF CONTENTS

LIST OF FIGURES.....	[3]
LIST OF SCREENSHOTS.....	[4]
ABSTRACT.....	[5]
1 INTRODUCTION.....	1
1.1 Problem Definition.....	2
1.2 Project Objective.....	2
2 LITERATURE REVIEW.....	3
3 SYSTEM ANALYSIS.....	5
3.1 Problem Statement.....	5
3.2 System Requirements.....	5
3.2.1 Eclipse Software.....	5
3.2.2 Apache Tomcat Server.....	6
3.2.3 MySQL Database.....	6
3.3 Technologies Involved.....	6
3.3.1 Jakarta Server Pages(JSP).....	6
3.3.2 Bootstrap.....	8
3.3.3 JavaScript.....	9
3.3.4 Spring MVC.....	10
4 SYSTEM ARCHITECTURE.....	12
4.1 K-Means Clustering.....	12
4.2 Limitations.....	13
4.2.1 Outlier.....	13
4.2.2 Number of Clusters.....	14
4.2.3 Empty Clusters.....	14
4.2.4 Non-globular Shapes and Sizes.....	14
4.3 Applications.....	14
4.3.1 Clustering Algorithm in Identifying Cancerous Data.....	14
4.3.2 Clustering Algorithm in Search Engines.....	15
4.3.3 Clustering Algorithm in Academics.....	15
4.3.4 Clustering Algorithm in Wireless Sensor Network Based Application.....	15
5 IMPLEMENTATION AND RESULT.....	16
5.1 Implementation.....	16
5.1.1 Database Connectivity to java Application.....	16

5.1.2	Web Scrapping.....	16
5.1.3	User's Data / Job's Comparison.....	17
5.1.4	K-Means Clustering Algorithm for Segmentation.....	17
5.2	Result.....	20
5.2.1	Clustering of Job's.....	20
6	CONCLUSION AND FUTURE SCOPE.....	24
6.1	Conclusion.....	24
6.2	Future Scope.....	24
	REFERENCES.....	25

LIST OF FIGURES

Figure 1. Content based filtering and collaborative filtering recommendation.....	12
Figure 2. JSP model 2 architecture.....	12
Figure 3 Working of K-means clustering algorithm.....	12
Figure 4. Entity Relationship Diagram.....	12

LIST OF SCREENSHOTS

Screenshot 1: Login.....	20
Screenshot 2: User Registration.....	20
Screenshot 3: User Educational Details.....	21
Screenshot 4: Admin Registered Users.....	21
Screenshot 5: Admin Jobs Registration.....	22
Screenshot 6: Admin Registered Jobs.....	22
Screenshot 7: Recommended Jobs to User.....	23

ABSTRACT

Many students search for summer jobs during the vacation, but there are always too many choices. We need to find a way to help people choose a best summer job. We constructed a three-tier system to comprehensively illustrate the factors that high school / Jr. college / University students need to consider when looking for a summer job from the criteria of comfort, salary, personal gain, and matching degree. Under each criterion lie several sub-criteria (which are discussed later in detail).

In this project we proposed an online suitable job recommendation system based on user's profile and preferences. We proposed job recommendation model using **K-means Clustering** algorithm which takes job offers as an input and create clusters based on similar attributes. The matching job cluster will be recommended to the users as per their profiles.