A Project Report

on

"Analysing Data Set Using Recommender System"

Submitted in Partial Fulfilment of the Requirements for the first-year practicum of

MASTER OF SCIENCE in INFORMATION TECHNOLOGY

by

Kadha Ram Kaushik	20176034
Karthik Reddy	20176035
Vemula Sudheendra	20176036
Alfred Vivek	20176048

Under the esteemed guidance of:

Dr.P. Arun Kumar Resource Principal Mentor MSIT, IIIT-Hyderabad





MSIT CONSORTIUM OF INSTITUTIONS OF HIGHER LEARNING IIIT CAMPUS, GACHIBOWLI, HYDERABAD 500032

CERTIFICATE

This is to certify that the Project work entitled "Analysing Data Set Using Recommender System", submitted by, K R Kaushik (20176034), Karthik Reddy (20176035), Vemula Sudeendhra (20176036) and Alfred Vivek (20176048) towards partial fulfilment for the first-year practicum in Information Technology from MSIT, IIIT-Hyderabad, is a record of bonafide work done by them during the year 2017-2018. The project has been approved as it satisfies the academic requirements.

Project Guide

Dr.P. Arun Kumar

Resource Principal Mentor

MSIT, IIIT-Hyderabad

ACKNOWLEDGEMENT

We express our deepest gratitude and thanks to Dr.P. Arun Kumar, (Principal mentor) for his invaluable advice and supervision throughout the project work. We wish to express deep sense of gratitude to our guide for his co-operation, encouragement and timely suggestions.

Lastly, we thank our colleagues without whose constant support and encouragement, this project would not have seen the light of the day.

Project Associates

Kadha Ram Kaushik	20176034
Karthik Reddy	20176035
Vemula Sudheendra	20176036
Alfred Vivek	20176048

CONTENTS

S.no	Contents	Page No.
1.	Introduction	2
2.	Recommender systems	3-5
3.	Sequence Diagram	6
4.	Output	7
5.	Conclusion and Future scope	8
6.	References	9

FIGURES

Fig.no	Figures	Page No.
1.	Different types of Recommender systems	2
2.1	Content-based filtering	3
2.2.1	Collaborative filtering Systems applied in User-based Recommender System	4
2.3	Hybrid recommender system	5
3.1	Sequence Diagram	6
4.1	User Interface - Homepage	7
4.2	User Interface – User page	7