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 |