**Introduction Of Project Work**

**Project Name:*- Project Red Mind (Movie recommendation with Sentiment Analysis & Memoji Generation System)***

***Introduction-***

This project is web-based enterprise software (website), which provides solutions to many Online User Services(like *Mask Detection System,Movie recommendation with Sentiment Analysis, Memoji generation and much more*) and to provide less time to accomplish their work. This website is being developed for those users who need any movie recommendation or who need to make their own Memojiand download them.

In Today’s life, the time is less and too much work to do , those people who need to have some new released movie recommendation, then they could use our movie recommendation service to get all up-to-date recommendation and information about any newly released movie.

Some people want to send their own cartoon face memojis to their friends and families but are unable to do it ,so for those people we have our face emoji service to make Memojiand download them, so that they can send their memoji each other.

This Web application project is very big and includes almost all aspects of User services .The complete architecture is distributed and on-line so the management of data is done online. To manage data like update, delete, etc. is to be developed. Here a strong authentication mechanism is used to ensure security of data. The application is designed in such a scalable manner that it can incorporate further enhancements.

**1-)Source of Project idea Literature Survey for Arriving on a Topic-**

**a)- Keagle competition-**

This is useful to get dataset for data processing for our movie recommendation system.

**b)- GAN research paper(For memoji using)-**

Our other service to make Memojis of user face and we get

this idea from GAN research paper.

**c)- U-net research paper-**

We find this research paper while studying on image processing.We found this useful for making dark images to brighter image processing.

**2-)Problem Statement-**

To provide some importantUser Services **(***Mask Detection System,Movie recommendation with Sentiment Analysis, Memoji generation and much more***).**

**3-)Feasibility study Report-**

Basically we are focusing on our Movie Recommendation system by which our users can easily get their favorite movies recommendation according to their ratings performance etc.

This project can be undertaken by the implementation of the one possible solution:

a:)**Online Website**-

This solution is carefully analyzed and necessary information required for making the final decision is available for the management team.

After the evaluation of the possible solutions,the most feasible solution for this project is identified and selected, so the project turns to be cost-effective, vital and practical.

This project’s purpose is to develop a sophisticated and original design of the website that will contribute to the online Movie Recommendation process and be time effective.The most feasible solution for the project has been chosen and approved and now is ready for further elaboration.

**4-)Project team and Member’s role in Project work-**

**a-)Harshit Dixit (Frontend technology)**

**b-)Ankit Kumar Gupta(Backend).**

**c-)Satyam Seth (Backend).**

**d-)Abhiskeh Kumar Yadav(Frontend technology)**

**6-)Requirements Analysis SRS-**

**Tools required for solution development-**The software packages are used :-

**a Operating System :** Windows

**b Front End :**HTML, CSS, JavaScript , BootStrap

**c Back End :** Python,Django,SQLite

**d Server :**Apache Tomcat Server

**e Technology:** Machine learning , Web Development.

**7-) Design approach to be followed for solution-**

First of all we will complete our backend deployment for user services one-by-one.

We are using the Bottom-up approach in which we will basically introduce many services one-by-one for users so that they can easily work on it.