MINI PROJECT – I
(2018-19)

Recommendation System
Group No-8

SYNOPSIS

Institute of Engineering & Technology

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About the Project:

Recommendation systems are ever-present in our lives today. The largest web giants – such as Google, Facebook and Amazon – use algorithms to help you find search results most relevant to you, based on your previous searches and similar data from other users. In fact, pretty much any platform that has a search bar can collect search data to help provide you with more relevant results.

One of the most common ways to build a recommendation system is to use Python Machine Learning. Python offers probably the most popular and powerful interpreted language, which means that when you build your recommendation system, you will be able to work with others. Python is used for systems in production right now around the world.

There are two major ways most of recommendation engines work. They can either rely on the properties of the items that each user likes, discovering what else the user may like (content-based filtering method) or, recommendation engines can rely on likes and desires of other users in order to compute a similarity index between users and recommend items to them accordingly (collaborative filtering method).

Motivation: As the techonology is rising , the whole future is depending on Machine learning, to provide an ease to user in every

prospect. Recommendation system is one of the like , which is highly used in today's E-commerce websites and Music systems like Amazon, Spotify, Netflix all use this technology and understand there user's choice in better way.

Future Prospects:

From this project we want to make better user interface in which the machine itself learn about user's choices and provide the things that they would like accordingly.This system can further be used in any UI where we need to know about what user likes the most. We hope that ,it will lead to great help in Future.

Requirements:

- **Hardware:**
    - **RAM at least 4GB**
    - **Processor(atleast I3)**

- **Technologies:**
    - **Anaconda(spyder)**
    - **Python 3.x**
    - **Django**
    - **Bootstrap**
    - **Database(sqlLite3)**