Recommendation Systems - Week 1

**Learning Objectives of the session:**

* Gauging learner’s understanding on the topic of the week.
* Understanding the concepts clarity of the learners on:
  + Introduction to recommendation systems and its need, key approaches
  + Popularity based, content based, market basket analysis
* Case Studies (Hands on) on the topics mentioned.
* Doubts solving, industry perspective and practices.
* Summary of the session’s learning.

**Structure of the Session**

| **Time Distribution of 2 hours** | **Topic** | **Detail** |
| --- | --- | --- |
| 10 min | * **Gauge learner’s understanding** Recommendation Systems | * Go through all the learners in the group and try to understand the reach of the week’s learning within the group on the week’s topics. * Highlight the important concepts majority of the group is facing doubts on. |
| 20 min | * Concepts clarity of the covered topics. | * Clarify the concepts on the doubts identified. |
| 60 min | * Case study on Recommendation system | * Use the case study provided to have a hands on exercise. Explain the problem statement, features and data preprocessing and use various techniques to come to a result through the model. * Data : songs.csv, jokes.csv and books.csv |
| 25 min | * Doubts clearance * Industry perspective on the mentioned topics * Buffer | * Use this time to clarify additional doubts. * Also, explain the industry practices on the techniques as per your experience. |
| 5 min | * Summarize the session | * Provide a summary of the session. |