# Emotion Aware Nepali Music Recommender System

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1. Introduction

- Music is strongly associated with emotion, and therefore music listening preference is directly influenced by the user's emotional state, rather than just other factors such as users' favorite artist, music genre etc.
- This research work exploits the relationship between the emotion conveyed by the songs and the songs' audio features (e.g., tempo, valence, energy, acousticness etc.) to develop an emotion-based music recommender system for Nepali songs
- This research work also studies the effect of the choice of audio features on the quality of emotion-aware music recommender system.

2. Methodology
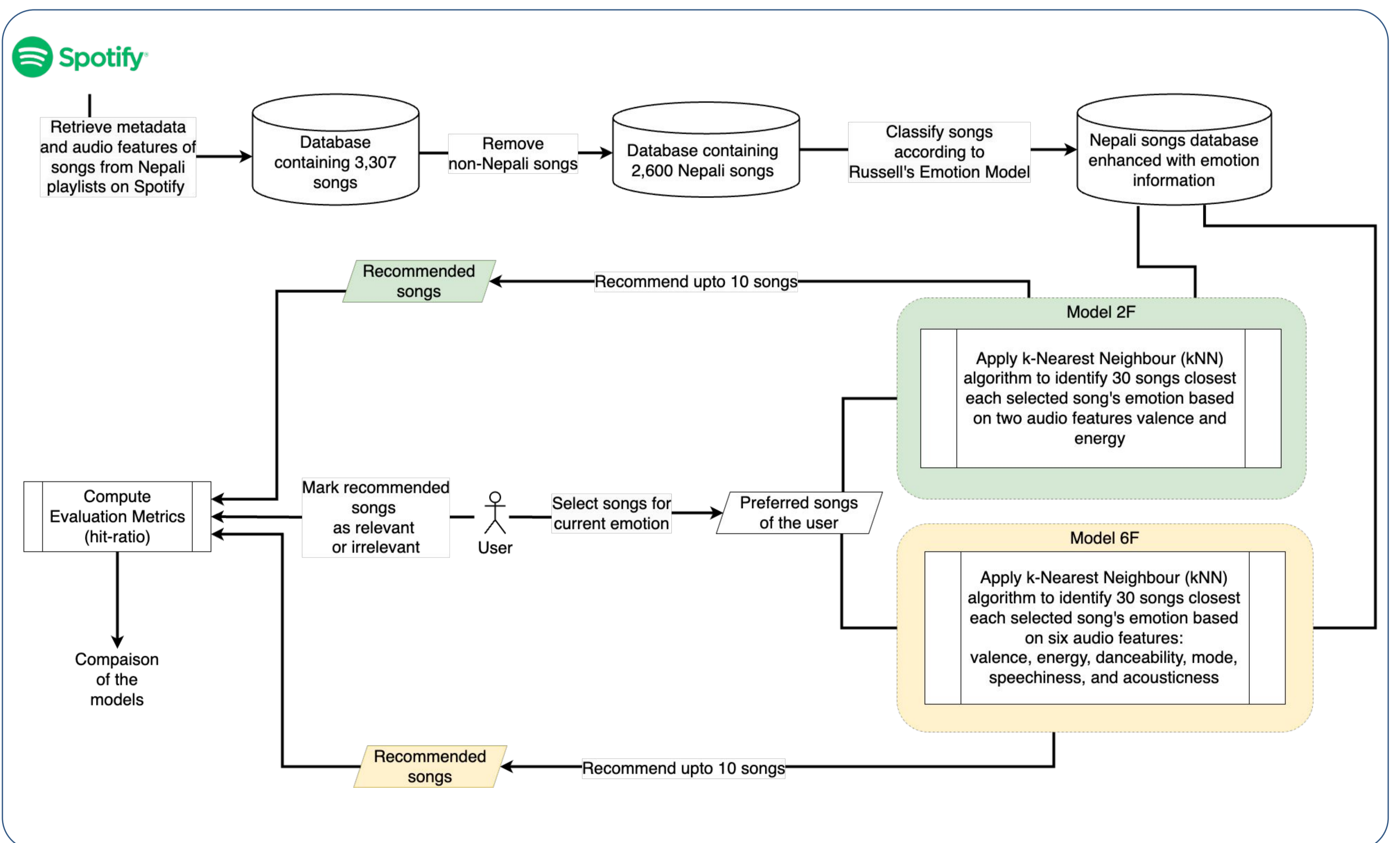
3. Results

Hit-Ratio	
Model 2F	Model 6F
46.8%	43.5%

Top 3 Professions	Hit-Ratio		Winner
	Model 2F	Model 6F	
Student	46.13%	39.14%	Model 2F
IT Engineer	46.86%	46.51%	Model 2F
Academician	**52.51%**	**59.52%**	Model 6F

4. Conclusion and Future work

- Recommendations made by considering only valence and energy gave better user satisfaction than by considering more audio features.
- In the future, we can improve the recommendations by considering the valence and energy of lyrics along with the valence and energy of the songs.