# *Explore era: make your tour better*

**\*¹Pallavi C.V, ²Sanjana, ³Vinay Kumar S, ⁴Vasavi D**
*1Assistant Professor, Department of Computer Science Engineering BNMIT, Bengaluru, Karnataka
2,3,4 Department of Computer Science Engineering BNMIT, Bengaluru, Karnataka

*Corresponding Author: Pallavi C.V*
*Email: pallavicv@bnmit.in*

## Abstract:

A tour itinerary recommendation system is a technology that suggests personalized travel plans based on a user's preferences, budget, travel dates, and other factors. In this project we propose a novel approach for generating a tour itinerary using a combination of Genetic Algorithm (GA) and Reinforcement Learning (RL). The proposed approach employs GA to generate the list of POI's by filtering out the user preferences, while RL is used to create an itinerary from the list of filtered POI's which maximizes the reward function