

# Implementation Paper on Automated Tour Planner

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**Abstract:** *We propose an algorithm called the Balanced Orienteering Problem, to design trips for tourists. This algorithm, combined with a recommender system for Travel and tourism management system is used to book a tour from anywhere in the world by a single dynamic website which will help the user to know all about the places and tour details in a single website. The admin can add packages to the website from a certain travel agents and hotels by create a tour page. Then the users can sign in and book each project, they can be confirmed by the admin in them manage booking page. The user can see the confirmation in my booking page. It is an easiest platform for all travellers which can be easily booked and know the all details. Tour Management system is a dynamic website for tourism business. It is dynamic and responsive web design. It is also called travel technology solution for agencies tour operation. Nearly Everyone goes on a vacation for this 'a Tourism management system' would play a vital role in planning the perfect trip.*

**Keywords:** Automated Tour Planning,, soft and hard constrains

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