

# Sikkim Homestay Reservation

Bijoy Chettri<sup>1</sup>, Gyatso Sherpa<sup>2</sup>, Mahesh Bhandari<sup>3</sup>, Lakpa Lepcha<sup>4</sup>, Sumila Chettri<sup>5</sup>, Vivek Limboo<sup>5</sup>  
Namchi Sikkim 737126

**Abstract-** There has been wide range in use of web portal in tourism sector, which led to an amazing spurt in tourism over the world. From planning a vacation to reservations for hotels, airlines and other traveling arrangements, where user can compare the prices of various airlines, hotels or tour operators and make an informed choice. Sikkim is one of the most visited place in India and also worldwide as a tourist destination, with glistening high altitude lakes, rolling green mountains, favorable climate, culture, and heritage and also the view of the third highest mountain (mount Kanchenjunga/khangchendzonga) in the world, this state is growing faster in the field of tours & tourism, nowadays local people of this state are providing homestay for tourist but they are been less utilized as the tourist have less information about this homestay. So we are providing a web portal that can help the tourist to locate the homestay, and also check room rents, room services like breakfast launch, dinner and accommodation of bedding, where they can booked it, also providing information about current affairs of this state, the database we are using in this portal is MySQL, location of homestay is shown in this portal by using Google API, and booking is done using Google pay, this portal will be beneficial for both user and owner of homestay and it'll be in responsive where the user can also use our portal in mobile phones. Hence, this portal will help to grow tourism in Sikkim.

**Keywords-** Web portal, Google API, MySQL database, Google pay

## I. INTRODUCTION

The proposed system is web based which will be fully responsive where user can use it in their mobile phones, tablets, laptop and computers. Here the user data will be kept safe and secure. The information and facilities provided will be shown to the user after login the page and only then they can booked the homestay by comparing the price and the type of location they want to stay also, the data will be stored in the database for checking the number of user that has login to the page, Admin will be responsible for all up gradation of the page, where he/she can insert or delete the data from the page. The system will automates the activities of a travel and tourism agency. [1] Giving an exact location of homestay using Google apk, HTML, CSS, MySQL and PHP. Our portal will be beneficial for tourist as a tourist guidance.

## 1.1 Google API

Millions of websites and application uses Google Maps APIs to power location experiences for their users. We are implementing Google API to track location of homestay in Sikkim some of which are not been located or stored in Google maps.

The main area we are working on our project are as follows:

- MySQL (Database)
- CSS (Cascading Style Sheet)
- HTML (Hyper Text Markup Language)
- PHP (Hypertext Preprocessor)
- Google Pay

**MySQL:** As compare to other database, MySQL will be suitable for our project as its being the most secure and reliable database management system.

**CSS:** CSS used to give a style/design to a web page applying all those styles directly to HTML & ease of presenting different styles to the users.

**HTML:** It is a standard markup language for creating web pages and web applications including CSS and JavaScript.

**PHP:** It is widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML.

**Google Pay:** It is a digital wallet platform and online payment system enabling users to make payments with Android phones, tablets or watches.

## II. LITERATURE SURVEY

[1]: Mr. Upendra Mishra<sup>1</sup>, Rashi Gupta<sup>2</sup>, Shubham Singh<sup>3</sup>, Subhanshu Varshney<sup>4</sup>, Swati Yadav<sup>5</sup>, "An android application to track school location", Volume: 05 Issue: 04 | Apr-2018.

Proposed paper presents design of such monitoring system for emergency of people. Navigators have always been a necessity of human life. The developments of advanced electronics have brought revolutionary changes in these fields.

In this paper, we will present a school locating application that employs a GPS module to find the location of a school in a particular location. Initially the GPS takes input data from the satellite and stores the latitude and longitude values in AT89s52 microcontroller's buffer. If we have to locate the school, we need to provide the location and circumference (in km) as the input. A webpage is specifically designed to view the school's location on Google maps. By using the concept introduced in this paper, we can locate hospitals, ATM, medicals, hostels etc. in the same fashion.

[2]:S Akhila, C Manikandan Research Scholar, Sri Krishna Arts & Science College, Coimbatore, Tamil Nadu, India, "A study on growing trends of online hotel booking", Volume 4; Issue 3; May 2018; Page No. 09-15.

The Indian tourism and hospitality industry has emerged as one of the key drivers of growth among the services sector in India. Hospitality is the relationship between a guest and a host. Hospitality is the act or practice of being hospitable. Tourism and hospitality industry are related to each other. Hospitality is the act of welcoming, receiving, hosting or entertaining the guest. It involves ward and generous welcome of the tourist. This study is framed to analyze the usage of online platforms to book hotels online spread across South of India. It is an attempt to draw out results from the online hotel booking users, awareness on online hotel booking, and their satisfaction levels and to measure their priorities while booking a hotel online. With the introduction of peer to peer hospitality services which will bring a potential dynamic dimension to the hospitality industry, this study aims to find out whether the online users will prefer this community based hospitality services or not.

[3]:Sanjay Kumar Kar, "Makemytrip.com", VOLUME 35 • NO 1 • JANUARY - MARCH 2010.

Sanjay Kumar Kar describes a real-life situation faced, a decision or action taken by an individual manager or by an organization at the strategic, functional or operational level  
Travel and Tourism Market  
Online Travel Services (OTS)  
Positioning Strategy Media Selection.

[4]: Charu Sheela Yadav, Pawan Gupta, Rinzing Lama, "Potential of Homestays as Tourism Product in Sikkim", Indian Institute of Tourism and Travel Management 9 PUBLICATIONS 8 CITATIONS May 2018.

Home Stay offer a range of activities which give guests the unique opportunity to experience the specific culture of the area. Activities will differ from home to home and depending on the location. For instance activities at a

home stay in Thailand can range from giving morning alms to monks, learning how to weave silk or cotton cloth, participating in agricultural activities, to going on nature tours, learn a skill practiced by local villagers, such as making local handicrafts or cooking Thai food.

[5]:Manjula Chaudhary and Rinzing Lama, "Community Based Tourism Development in Sikkim of India" -A Study of Darap and Pastanga Villages, Transnational Corporations Review Volume 6 Number 3 September 2014.

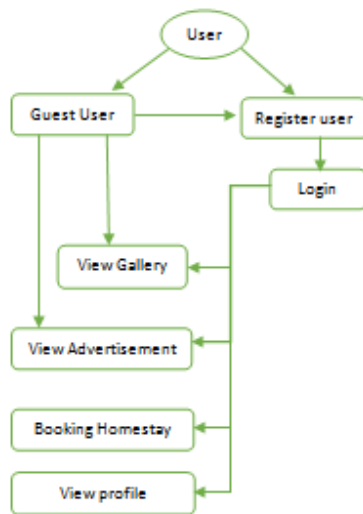
The Community Based Tourism Development is based on the engagement of local communities as the central stakeholder in tourism development. However, for most of the times, this concept of the bottom up planning is usually given in the top-down manner because of lack of awareness on the part of communities. The communities participated from planning to execution level are often catalyzed by external forces such as non-governmental organizations" encouragement to the local communities, and there has been little exploration of what communities think of their roles in tourism development. This paper studies this aspect in the Darap and Pastanga villages in Sikkim of India. The focus of theresearch is to understand the perspective of the local communities at a point when tourism has developed with the intervention of outside agencies that have involved locals in many roles.

**INFERENCES DRAWN**

**Table 2.1: Inferences drawn from Literature Survey**

Author name and publication	Title of the paper	Techniques used	Limitation
Mr. Upendra Mishra1, Rashmi Gupta2, Shubham Singh3, Subhanshu Varshney4, Srwati Yadav5, Volume: 05 Issue: 04   Apr-2018.	"An android application to track school location"	GPS module to find the location of a school in a particular location. Algorithm used A) Localisation B) Kalman Filter Algorithm	It'll only track the location of school, within a particular range.
S Akhila, C Manikandan Research Scholar, Sri Krishna Arts & Science College, Coimbatore, Tamil Nadu, India, Volume 4; Issue 3; May 2018; Page No. 09-15.	"A study on growing trends of online hotel booking"		There are not online homestay booking for tourist.
Sanjay Kumar Kar, VOLUME 35 • NO 1 • JANUARY - MARCH 2010.	"Makemytrip.com"		Inufficient facilities and poor maintenance at many holiday destinations and tourist locations.
Charu Sheela Yadav, Pawan Gupta, Rinzing Lama, Indian Institute of Tourism and Travel Management 9 PUBLICATIONS 8 CITATIONS May 2018.	"Potential of Homestays as Tourism Product in Sikkim"		There are also more homestays in Sikkim which are not mentioned and are unknown to customer.
Manjula Chaudhary and Rinzing Lama, Transnational Corporations Review Volume 6 Number 3 September 2014.	"Community Based Tourism Development in Sikkim of India"-A Study of Darap and Pastanga Villages		Training the villagers in a proper manner because Language is still a major obstacle for tourists coming to these villages and tourists are often dependent on the guide for interpretation, but the guide is not always readily available.

### III. PROPOSED METHODOLOGY



**Fig 3.1: DFD for our proposed system**

Fig 3.1 is the DFD of our proposed system, the figure depicts how a register and guest user can use our portal, a guest user can only view advertisement such as Sikkim newspaper, and gallery whereas a register user who login to our page will be able to view their own profile also they can check the details, and search homestay located in Sikkim, compare their price and can book them. Admin will be responsible for modification of website including adding homestay and their details, location and also giving the current scenario of Sikkim.

### VI. OBJECTIVES

- The main objective of our website is to provide services to the tourist as well as owner of homestay.
- To provide best service as guiding the customers and travel agency via this website.
- To provide a searching platform where a tourist can find their tour places in Sikkim.
- To provide healthy interaction opportunities for tourists and local people, and increase better understanding of different cultures, customs, lifestyles, traditional and knowledge.
- Improve sales support by booking the homestay via web portal.

### V. CONCLUSION

In this project we make a tourist guidance website and this website facilitates Google map location of homestay, current events, Sikkim newspaper, and booking homestay. Tourist can access information from this portal. Sikkim

homestay owner can earn money via this website. Problems of tourist for tourist guidance is solved via this project. The overall satisfaction of the tourist regarding the location of homestay exceeded their expectation level. It is a portal of helping guidance to the tourists and domestic people.

### REFERENCES

- [1] Mr. Upendra Mishra<sup>1</sup>, Rashi Gupta<sup>2</sup>, Shubham Singh<sup>3</sup>, Subhanshu Varshney<sup>4</sup>, Swati Yadav<sup>5</sup>, "An android application to track school location", Volume: 05 Issue: 04 | Apr-2018.
- [2] S Akhila, C Manikandan Research Scholar, Sri Krishna Arts & Science College, Coimbatore, Tamil Nadu, India, "A study on growing trends of online hotel booking", Volume 4; Issue 3; May 2018; Page No. 09-15.
- [3] Sanjay Kumar Kar, "Makemytrip.com", VOLUME 35 • NO 1 • JANUARY - MARCH 2010.
- [4] Charu Sheela Yadav, Pawan Gupta, Rinzing Lama, "Potential of Homestays as Tourism Product in Sikkim", Indian Institute of Tourism and Travel Management 9 PUBLICATIONS 8 CITATIONS May 2018.
- [5] Syahriah Bachok<sup>1</sup>, Tuan Anisdina Tuan Mohd Amin<sup>2</sup> & Syakir Amir Ab Rahman<sup>3</sup>, "IN PURSUIT OF ECONOMICALLY COMPETITIVE AGRO-TOURISM SECTOR", VOLUME 16 ISSUE 2 (2018).