****

**Tribhuvan University**

**Institute of Science and Technology**

**A Project Proposal**

**On**

**“hitrekkers: The Ultimate Guide for Trekkers”**

**Submitted to**

**Department of Computer Science and Information Technology**

**Ambition College**

**Baneshwor, Kathmandu, Nepal**

**In partial fulfillment of the requirements**

**For the Bachelor’s Degree in Computer Science and Information Technology**

**Submitted by:**

Manoj Acharya

Pankaj Bhattarai

Prabash Paudel

Pramod Khatiwada

November 2018

**Under the supervision of**

Mr. Tej Bahadur Shahi

Date: 27-11-2018

**RECOMMENDATION**

I hereby recommend that this project report prepared under my supervision by the team of Manoj Acharya, Pankaj Bhattarai, Prabash Paudel and Pramod Khatiwada entitled “hitrekkers: The Ultimate Guide for Trekkers” is accepted as fulfilling in partial requirements for the degree of Bachelor of Science in Computer Science and Information Technology. In my best knowledge, this is an original work in Computer Science by them.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mr. Tej Bahadur Shahi**

Lecturer,

Department of Computer Science and Information Technology,

Ambition College, Baneshwor, Kathmandu

**Supervisor**

****

**Tribhuvan University**

**Institute of Science and Technology**

**Department of Computer Science and Information Technology**

**Ambition College**

**Baneshwor, Kathmandu, Nepal**

We certify that we have read this dissertation work and in our opinion, it is satisfactory on the scope and quality as a dissertation in the partial fulfillment for the requirement of Bachelors of Science in Computer Science and Information Technology.

**Evaluation Committee**

|  |  |
| --- | --- |
| **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Mr. Janak Raj Joshi** | **Mr. Tej Bahadur Shahi** |
| **Head of Department** | **Lecturer** |
| Department of Computer Science and | Department of Computer Science and |
| Information Technology | Information Technology |
| Ambition College | Ambition College |
| Baneshwor, Kathmandu | Baneshwor, Kathmandu |
|  | (Supervisor) |

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Internal Examiner**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**External Examiner**

**ACKNOWLEDGEMENT**

This project is specially prepared to get the knowledge at the practical based assignment of bachelor level B.Sc. (CSIT) syllabus, during the preparation of this dissertation for **“hitrekkers: The Ultimate Guide for Trekkers”**. This project work has been performed under Department of Computer Science and Information Technology, Ambition College, Baneshwor, Kathmandu, Nepal. We also thank all team members of my department for giving us support.

We would like to thank our supervisor **Mr. Tej Bahadur Shahi**, Lecturer Tribhuvan University. Without his help and suggestion this project could not have been done. He has advised us on the relevant track to follow on our research. He has shown good patience and high level of experience to guide us through and we have gained the valuable knowledge with him as a result. We would always be grateful for his guidance and support.

Most importantly we would like to thank respected **Mr. Janak Raj Joshi**, Head of Department, Ambition College and Lecturer Mr. Dadhi Ram Ghimire for their kindness and inspiration within this time period.

We thank to all our colleagues and friends for supporting us directly and indirectly in this project work.

**ABSTRACT**

**“hitrekkers: The Ultimate Guide for Trekkers”** is an attempt to provide the perfect recommendation of trekking destination whena person is searching destination for his trekking purpose. The main purpose to develop this web application is to make ease for trekkers in finding the better trekking routes for spending their times. This system takes various inputs concerned with destinations like distance, location, cost, accommodation and many more to produce a result with better recommendation. So, this kind of system helps visitors to get proper and quick information regarding trekking destination. Furthermore, it acts as a digital guide with concise content to follow.

**TABLE OF CONTENTS**

1. **Introduction 1**
2. **Problem Definition 1**
3. **Objectives 2**
4. **Scope And Limitations 2**
5. **Research Methodologies 3**
   1. **Literature Review 3**
   2. **Data Collection 3**
   3. **Feasibility Study 3**
      1. **Economic Feasibility 4**
      2. **Operational Feasibility 4**
      3. **Technical Feasibility 4**
      4. **Schedule Feasibility 5**
   4. **Requirement Analysis 6**
      1. **Functional Requirements 6**
      2. **Non-Functional Requirements 7**
   5. **Proposed System 7**
      1. **Algorithm Implementation 7**
      2. **Block Diagram 8**
   6. **Implementation Tools 9**

**References 10**