“**Road Repair Request System**”

***A Minor Project Report submitted to***

**Rajiv Gandhi Proudyogiki Vishwavidyalaya*, Bhopal***

***in partial fulfillment of the requirements for the award of***

***Degree of***

**Bachelor of Engineering**

in

Information Technology

### ***by***

## **Chandra Pratap Singh Mandloi (0832IT151009)**

## **Murtaza Mehmudji (0832IT151019)**

## **Nilesh Prajapat (0832IT151022)**

## **Rajnish Pratap Singh (0832IT151033)**

***Under the guidance of***

**Mr. Sachin Sharma**

**(Asst. Prof)**

****

**Session: 2017-18**

**Department of Information Technology**

**Chameli Devi Group of Institutions, Indore**

**452 020 (Madhya Pradesh)**

**DECLARATION**

We certify that the work contained in this report is original and has been done by us under the guidance of my supervisor(s).

1. The work has not been submitted to any other Institute for any degree or diploma.
2. We have followed the guidelines provided by the Institute in preparing the report.
3. We have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute.
4. Whenever we have used materials (data, theoretical analysis, figures, and text) from other sources, we have given due credit to them by citing them in the text of the report and giving their details in the references.

#### Name and Signature of Project Team Members:

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Enrollment No.** | **Name of students** | **Signature of students** |
| 1. | 0832IT151009 | Chandra Pratap Singh Mandloi |  |
| 2. | 0832IT151019 | Murtaza Mehmudji |  |
| 3. | 0832IT151022 | Nilesh Prajapat |  |
| 4. | 0832IT151033 | Rajnish Pratap Singh |  |

**CHAMELI DEVI GROUP OF INSTITUTIONS, INDORE**

****

**CERTIFICATE**

Certified that the project report entitled, “Road Repair Request System” is a bonafide work done under my guidance by Chandra Pratap Singh Mandloi, Murtaza Mehmudji, Nilesh Prajapat,and Rajnish Pratap Singh in partial fulfillment of the requirements for the award of degree of Bachelor of Engineering in Information Technology.

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Mr. Sachin Sharma)

Guide

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

(Prof. Jasvant Mandloi) (Dr. K.S. Jairaj)

(Head of the Department) (Dean, CDGI)

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

(Internal Examiner) (External Examiner)

## **CHAMELI DEVI GROUP OF INSTITUTIONS**

## **INDORE**

**ACKNOWLEDGEMENT**

We have immense pleasure in expressing our sincerest and deepest sense of gratitude towards our guide Mr. Sachin Sharma for the assistance, valuable guidance and co-operation in carrying out this Project successfully. We have developed this project with the help of Faculty members of our institute and we are extremely grateful to all of them. We also take this opportunity to thank Head of the Department Mr. Jasvant Mandloi, and Dean of Chameli Devi Group of Institutions, Prof. K.S. Jairaj, for providing the required facilities in completing this project. We are greatly thankful to our parents, friends and faculty members for their motivation, guidance and help whenever needed.

#### Name and signature of team Members:

* 1. Chandra Pratap Singh Mandloi
  2. Murtaza Mehmudji
  3. Nilesh Prajapat
  4. Rajnish Pratap Singh

**ABSTRACT**

The people of our country are facing problems regarding the roads. Thus, we are making a project regarding ROAD REPAIR REQUEST SYSTEM. The user can request to repair roads. After the road being repaired, a confirmation is sent to the user and he gives his feedback regarding the quality of roads after being repaired. The user can also request to build roads where there are no roads being built.

**TABLE OF CONTENTS**

|  |  |
| --- | --- |
| CONTENTS | Page No. |
| Title Page |  |
| Declaration | i |
| Certificate by the Supervisor | ii |
| Acknowledgement | Iii |
| Abstract | iv |
| Chapter 1: Introduction……………………………………………………………...…..   * 1. Rationale……………………………………………………………………..........   2. Goal……………………………………………………………………………......   3. Objective………………………………………………………………………......   4. Role……………………………………………………………………………......   5. Contribution of Project…………………………...…………………………….....      1. Market Potential……………………...………..……………………..……….      2. Usefullnes……………………………………….............................................   Chapter 2: Requirement Engineering…………………………..……………………......   * 1. Requirements…………………………..………………………………………...      1. Functional Requirements………………………….................……………….      2. Non Functional Requirements………………………………………………..   Chapter 3: Analysis & Design…………………………………………………………...   * 1. Use-Case Diagrams……………………………………………………...………   2. Activity Diagrams…………………………………………….............................   3. Sequence Diagrams……………………………………………………………...   4. Class Diagrams…………………………………………......................................   5. ER- Diagrams……………………………………………………………………   Chapter 4: Construction………………………………………………………………....   * 1. Implementation……………………………………………………………….....      1. Implementation Details………………………………………......................   2. Testing…………………………………………………………………………...      1. White Box Testing…………………………………………………………..      2. Black Box Testing………………………………………………………….. | 1.1  1.2  1.2  1.2  1.3  1.3  1.3  2.1  2.2  3.1  3.2  3.3  3.4  3.5  4.1  4.1  4.2  4.2 |
| Chapter 5: Conclusions and Future scope of study |  |
| References |  |
| Appendix-A  Appendix-B |  |