**APPROVAL**

This Project report entitled **“Online News Paper web With Mobile Apps”** submitted by Md. Mehedi Hassan, Md. Rejaul Karim, Mohammed mazharul anam, Mubarak Ali Kariye, M.Sc-17th , Department of Computer Science and Engineering, Dhaka International University,. It was accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science and Engineering and approved as to its style and contents.

**Board of Examiners:**

**1………………………………………………………………(Supervisor)**

**2………………………………………………………………(Examiner)**

**3………………………………………………………………(Examiner)**

**Declaration**

We, hereby declare that the work presented in this project is the outcome of the Investigation performed by us under the supervision of Mst. Jahanara Akhtar , Associate Professor, Department of Computer Science and Engineering, Dhaka international University, Dhaka , Bangladesh.

**Countersigned Signature**

**Supervisor Student**

**………………………. ………….........................**

**Mst. Jahanara akhtar**

Md. Mehedi Hassan

..………………………….

Md. mazharul Anam Chowdhury

…………………………..

##### Rejaul karim

…………………………..

Mubarak Ali Kariye

**Associate Professor**

**Department of CSE,**

**Dhaka International University**

**Abstract**

We live in the age of science and technology. Technology makes our life easier and faster. Smart phone is the latest component of technology. It brings the flavor of technology into our hand. Therefore the popularity of mobile application is increasing day by day. In our project, we have considered this situation and developed an android phone based project “ONLINE NEWS PAPER WEB AND ANDROID BASED MOBILE APPLICATION”. Online newspaper is a popular web application. Online newspapers are becoming more and more popular to news readers because of the internet highspeed in the past ten years. People want to know war, government, politics, education, health, the environment, business, and entertainment, as well as athletic events, quirky or unusual events. Government, proclamations, concerning royal ceremonies, laws, taxes, public health, and criminals, what happing every corner of the world. So we decide to make online base news website and android apps that can help to know about every occurrence of the world with few second.

**Acknowledgements**

First of all, we would like to express our gratitude to the almighty Allah, the most gracious and the most merciful, for giving us energy and ability to complete this project. Then we would like to thanks to our supervisor Mst. Jahanara Akhtar, Associate Professor, Department of Computer Science and Engineering, Dhaka International University (DIU), for his helpful suggestions in selecting our project topic, planning and implementation of the project work. Also he greatly helped us to improve our project writing and Presentation skills, which, we believe, will benefit us throughout our future career.

We would like to give our special thanks to our parents and friends for their endless love, help and belief.

We warmly thank to A.T.M Mahbubur Rahman, Chairman, Department of CSE of DIU, for his valuable advice and moral support. His extensive discussion around work and interesting explorations in operations has been very helpful for this study.

Finally, we express our thanks to the Department of Computer Science and Engineering for giving us the opportunity to study here and supporting us greatly through our graduate study.

**Contents**

**Approval**

**Declaration of Authorship**

**Abstract**

**Acknowledgements**

|  |  |  |
| --- | --- | --- |
| Sl. No | Description | Page No |
| **Chapter-1: Introduction** | | 1 |
| 1.1 | Objective of the work | 1 |
| 1.2 | Scope | 1 |
| 1.3 | Organization of the report | 2 |
| **Chapter-2: Process Model** | |  |
| 2.1 | Introduction | 3 |
| 2.2 | Software process mode | 3 |
| 2.3 | Waterfall Model | 3 |
| 2.4 | Waterfall model figure | 4 |
| **Chapter-3: Background study** | | 5 |
| 3.1 | Introduction | 5 |
| 3.2 | Laravel Description | 6 |
| 3.3 | Bootstrap | 7 |
| 3.4 | User Interface Design | 8 |
| 3.5 | JavaScript | 9 |
| 3.6 | Mysql | 10 |
| 3.7 | Android | 10 |
| **Chapter-4: Requirement Analysis** | | 12 |
| 4.1 | Functional Requirement | 12 |
| 4.2 | Admin | 12 |
| 4.3 | People | 12 |
| 4.4 | Mobile App | 12 |
| 4.5 | Non Functional Requirement | 12 |
| 4.6 | Hardware Requirement | 13 |
| 4.7 | Software Requirement | 13 |
| **Chapter-5: Software design** | | 14 |
| 5.1 | Choosing the Appropriate Model | 14 |
| 5.2 | Manual | 14 |
| 5.3 | Home Page | 14 |
| 5.4 | Admin Login Page | 16 |
| 5.5 | Insert Page | 17 |
| 5.6 | Publication page | 18 |
| 5.7 | Mobile App for Android | 19 |
| 5.8 | Splash Screen Activity | 19 |
| 5.9 | Home Activity | 20 |
| 5.10 | Result Fragment | 20 |
| 5.10.1 | DFD Basic Design | 22 |
| 5.10.2 | DFD Detail Design | 23 |
| 5.10.3 | Use case Design | 24 |
| **Chapter-6: Implementation** | | 25 |
| 6.1 | Introduction | 25 |
| 6.2 | Rest | 25 |
| 6.3 | Http method | 25 |
| 6.4 | Restful Web Services | 26 |
| 6.5 | Lumen | 26 |
| 6.6 | Software Validation | 26 |
| 6.7 | Software Verification | 27 |
| 6.8 | Manual Vs Automated Testing | 27 |
| 6.9 | Testing Approaches | 27 |
| 6.10 | Black-box testing | 28 |
| 6.11 | White-box testing | 29 |
| **Chapter-7: Conclusions** | | 30 |
| 7.1 | Advantages | 30 |
| 7.2 | Disadvantages | 30 |
| 7.3 | Future work | 30 |
| 7.4 | Limitation | 30 |
| 7.5 | Conclusion | 31 |
| **Bibliography** | | 32 |