

TRIBHUVAN UNIVERSITY INSTITUTE OF ENGINEERING PULCHOWK CAMPUS

**REPORT ON**

**MITRATA: A SOCIAL NETWORKING SITE**

**APPLICATION OF DSA**

**PRESENTED TO DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING**

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With this project, we were able to apply our knowledge/skill of programming into a real-world problem. Also, from this project, we got to know some unique idea about project from our friends’ side too. It is because of those free and open source resource that many of our work became extremely easier.and those tedious bugs could be solved with ease.

**TABLE OF CONTENTS**

1 INTRODUCTION……………………………. 3

[2 OBJECTIVES . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .](#_TOC_250009) 3

[3](#_TOC_250007)

[3.1 Description . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .](#_TOC_250006) 4

[3.2 Block diagram. . . . . . . . . . . . . . . . . . . . . . . . . . . .](#_TOC_250005) 8

**Introduction**

Bringing the concepts of Data Structure and Algorithm and the need for a suitable medium of communication we decided to make a social networking site. We named this site ‘Mitrata’ which translates to friendship in English.

Mitrata is be a web-based app which provides the user with a platform to get to know other people and communicate with them.

In the further proceeding of this proposal we have outlined the objectives, methodology and description of our project.

**Objective**

The main objective of our project is

* To learn the concept of Data Structure and Algorithm
* To learn to implement Web Socket and HTTP server
* To learn to use front end framework like react
* To learn to implement database for an application
* To learn to work in team