**Rashtreeya Sikshana Samithi Trust**

**R.V. College of Engineering**

*(Autonomous Institution Affiliated to Visvesvaraya Technological University, Belagavi)*

**

**Department of Computer Science and Engineering**

**An Assignment Report on**

ASYNCHRONOUS COMMUNICATION USING RETURN TO ZERO PROTOCOL IN SSL

*Submitted in partial fulfillment for Self study component of*

**MASTER OF TECHNOLOGY**

***in***

**COMPUTER NETWORK ENGINEERING**

***Submitted by***

**B.I.PAVITRA**

***Guided by***

**Dr. SOWMYARANI C N**

**Associate professor**

**RVCE**



# Department of Computer Science and Engineering

**R.V. College of Engineering,**

# Mysuru Road, R.V.Vidyaniketan Post, Bengaluru – 560059

**2016-17**

**R.V. College of Engineering,**

# Department of Computer Science and Engineering

# Mysuru Road, R.V.Vidyaniketan Post, Bengaluru – 560059

**ACKNOWLEDGEMENT**

I would sincerely like to thank our college, **R.V. COLLEGE OF ENGINEERING**, for giving me this opportunity to work on the self study.

I take this opportunity to express my sincere and hearty gratitude to our principal, **Dr. KN SUBRAMANYA** and the following eminent personalities whose aid and advice helped me to complete this self study work successfully without any hindrance.

I thank the entire faculty of Department of Computer Science and Engineering, especially the head of the Department **Dr. SHOBHA G**

I am deeply thankful to my self study guide **Dr. Sowmyarani C N** who has been through the preparation of the self study and has spent her valuable time guiding me.

Finally, I thank all the people who have made my work more productive and meaningful.

**B.I.PAVITRA**

**Table of Contents**

|  |  |
| --- | --- |
| **Acknowledgement** | **(i)** |
| **List of Figures** | **(ii)** |
| [Chapter 1](#_Toc265326343)   * 1. **Introduction**   2. **Literature Survey**   3. **Objectives** | 1-9 |
| Chapter 2   1. **Requirement Specification** | 10 |
| Chapter 3   1. **Design** | 11-12 |
| Chapter 4   1. **Implementation, usage of tools.** | 13-15 |
| Chapter 5   1. **Results and Analysis** | 16-17 |
| Chapter 6   1. **Conclusion and Future directions** | 18 |
| **References and Annexure** | 19 |

**List of Figures**

|  |  |
| --- | --- |
| Fig1.1: Handshake between two systems. | 2 |
| Fig 1.2: 3-way handshake protocol | 4 |
| Fig 1.3: 2-phase handshake protocol | 6 |
| Fig 1.4: 4-phase handshake protocol | 6 |
| Fig 4.1: 4-phase handshake protocol | 13 |
| Fig 5.1: Output at Sender end | 16 |
| Fig 5.2: Output at Receiver end | 17 |