|  |  |  |
| --- | --- | --- |
|  | **TABLE OF CONTENTS** |  |
| **Chapter** | **Title** | **Page no** |
|  | **ABSTRACT** | **V** |
|  | **LIST OF FIGURES**  **LIST OF ABBREVIATIONS** | **VI**  **VII** |
| **1** | **INTRODUCTION** |  |
|  | 1.1 WIRELESS SENSOR NETWORKS | 1 |
|  | 1.2 SYSTEM OVERVIEW | 2 |
|  | 1.3 SCOPE OF THE PROJECT | 2 |
| **2** | **LITERATURE SURVEY** | 3 |
| **3** | **SYSTEM ANALYSIS** |  |
|  | 3.1 EXISTING SYSTEM | 9 |
|  | 3.1.1 Disadvantages of Exiting System | 10 |
|  | 3.2 PROPOSED SYSTEM | 11 |
|  | 3.2.1 ADVANTAGES OF PROPOSED SYSTEM | 14 |
|  | 3.3 REQUIREMENTS SPECIFICATION | 15 |
|  | 3.3.1 Software Requirements | 15 |
|  | 3.3.2 Hardware Requirements | 15 |
|  | 3.4 LANGUAGE SPECIFICATION | 15 |
|  | 3.4.1 Network Simulator 2.28 | 15 |
| **4** | **SYSTEM DESIGN** |  |
|  | 4.1 SYSTEM ARCHITECTURE | 18 |
|  | 4.2 SEQUENCE DIAGRAM | 21 |
|  | 4.3 USE CASE DIAGRAM | 22 |
|  | 4.4 COLLABORATION DIAGRAM | 23 |
| **5** | **SYSTEM IMPLEMENTATION** |  |
|  | 5.1 MODULES | 24 |
|  | 5.1.1 Creating a group of nodes in network | 25 |
|  | 5.1.2 Packet transmission between the nodes | 26 |
|  | 5.1.3 Receiver | 27 |
| **6** | **CONCLUSION AND FUTURE ENHANCEMENT** |  |
|  | 6.1 CONCLUSION | 28 |
|  | 6.2 FUTURE ENHANCEMENT | 28 |
|  | **APPENDIX 1 SAMPLE CODING** | 31 |
|  | **APPENDIX 2 SCREENSHOTS** | 36 |
|  | **REFERENCES** | 40 |