**Index**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Chapter**  **no.** | | **Topic** | | **Page no.** |
| **1** | | **Introduction** | | **1** |
| **2** | | **Project Definition** | | **2** |
| **3** | | **Project Description**  **3.1 Hardware Description**  **3.2 Block Diagram**  **3.3 Circuit Diagram**  **3.4 Software Description** | | **3 to 21** |
| **4** | | **Working of monitoring system** | | **22 to 23** |
| **5** | | **Future Scope** | | **24** |
| **6** | **Summary and Conclusion** | | **25** | |

**List of Illustrations**

|  |  |  |
| --- | --- | --- |
| Figure No. | Name of Figure | Page No. |
| 1 | Pin diagram of AT89C51 | 6 |
| 2 | Power Supply | 10 |
| 3 | Regulator IC | 12 |
| 4 | Capacitor Filter | 13 |
| 5 | Block diagram of monitoring system | 14 |
| 6 | Circuit diagram of monitoring system | 16 |
| 7 | PCB layout | 18 |

**Chapter 1**

**Introduction**

In this digital word we need every possible thing around us to be automatic which reduces human efforts. There are increasing electronic circuits that make today’s life easier and simple. Nowadays Energy crisis is the big problem faced by everyone. So there is a need to conserve energy. This project is very useful in Hotels and Offices.The aim of the proposed system is to develop a cost effective solution that will monitor the system that provides audio visual identification of call point .The system provides availability due to development of a low cost system. The Monitoring system with an affordable cost was thought to be built that should provide service if someone needs help in less time which reduces human efforts to a great extent..