**IMPLEMENTATION OF CHILDREN ACTIVITY SYSTEM**

**AIM:**

The main aim of the project is “To secure the children by using children activity tracking system”.

**BLOCK DIAGRAM:**

**8051**

**MICRO CONTROLLER**

**LCD**

**(16\*2 DISPLAY)**

**POWER SUPPLY**

**SOUND DETECTION SYSTEM**

**RFID READER**

**GSM MODULE**

**DESCRIPTION:**

This project implementation primarily focuses on tracking a child’s activity and its location is sent to its parent. It can be extended to perform the same for all children in the school by reducing the size of the child module, thus fixing it to ID card of every child. This project also focuses on recording a child’s cry and when it matches with crying of the child in school the text message is sent to its parents. It can be extended by placing voice recognizing sensors which senses the cry of all the children inside the school and send the information to their parents appropriately by using the GSM module.

**SOFTWARE :** Embedded ‘C’

**TOOLS :** Keil IDE, ISP

**TARGET DEVICE :** AT89C51

**ADVANTAGES :** Low cost, More secured.

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