https://www.youtube.com/watch?v=6P7kOL4uyUs

BABY PRESENCE DETECTOR AND WORKING SYSTEM IN CAR

The main aim of this project is to design a baby presents detection and alerting system.

This project makes use of an onboard computer, which is commonly termed as micro controller. It acts as heart of the project. This onboard computer can efficiently communicate with the output and input modules which are being used. The controller is provided with some internal memory to hold the code. This memory is used to dump some set of assembly instructions into the controller. And the functioning of the controller is dependent on these assembly instructions.

The main controlling device of the project is PIC Microcontroller. IR sensor, PIR sensor, KEY, GSM, LCD display is interfaced to the PIC microcontroller.PIC microcontroller continuously read the data from sensors and KEY. When the person switches OFF the vehicle ignition, then Microcontroller will monitor the baby motion inside the CAR using sensor. When the system detects the baby, then message will send to the predefine mobile number through GSM if the vehicle ignition is OFF condition. Otherwise, it's not possible. To achieve this task microcontroller loaded program written in embedded C language.

The main building blocks of the project are:

- Power Supply.
- PIC Microcontroller.
- IR sensor.
- PIR sensor.
- GSM.
- KEY.
- LCD display.

Software's used:

- PIC-C compiler for Embedded C programming.
- PIC kit 2 programmer for dumping code into Micro controller.
- Express SCH for Circuit design.

BLOCK DIAGRAM