Project Development Phase

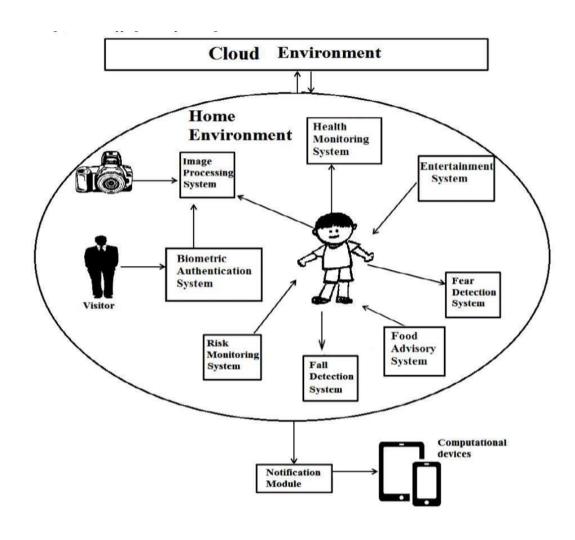
SPRINT - 3

Team ID	PNT2022TMID12669
	IoT Based Safety Gadget for Child Safety Monitoring & Notification

The Smart Mom architecture thus eases their work and helps them in taking care of the child It is also assumed that this system is useful for children between ages five to fifteen years.
Since, children below five years are years delicate to be taken care of by an autonomous system and children above fifteen years are grown up enough to be taken care of by their mothers pervasively.
Smart Mom architecture is divided into two domains namely—the cloud environment and the home environment. Each domain is subdivided into a number of modules depending upon the application system.

Notification module

☐ The notification is responsible for sending notifications to the computing devices either at home or outside. The computing device can be wired or wireless and may belong to either the child, the governess,doctor or the mother of the child depending upon the needed application.



Python Serial Loopback Test

import serial

#initialize serial connectiondef init_serial():

COMNUM = 9 #set you COM port # here

global ser #must be declared in each fxn usedser

= serial.Serial() ser.baudrate

= 9600

ser.port = COMNUM - 1 #starts at 0, so subtract 1#ser.port = '/dev/ttyUSB0' #uncomment for linux #you must specify

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a timeout (in seconds) so that the# serial port doesn't hang
ser.timeout = 1
ser.open() #open the serial
port # print port open or
closedif ser.isOpen():
print 'Open: ' + ser.portstr
#this is a good spot to run your initializationsinit_serial()
while 1:
#prints what is sent in on the serial port
temp = raw_input('Type what you want to send, hit enter: \n\r')
ser.write(temp) #write to the serial port
bytes = ser.readline() #reads in bytes followed by a newline print
'You sent: ' + bytes #print to the console
break #jump out of loop
#hit ctr-c to close python window
```

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#adjust these values based on your location and m
TRX = -105.1621  #top right longitude
TRY = 40.0868  #top right latitude
BLX = -105.2898  #bottom left longitude
BLY = 40.0010  #bottom left latitude
```

Run the program by typing:

☐ High-level language software design has lo	ng stayed in use for surrounded-systems growth.
☐ Though, assemblage programming still over (DSP) based systems.	erwhelms, mostly for digital-signal processor
☐ DSPs are frequency systems automatic in a know the processor building inside out. T	
performance, even with the disadvantage	s of assembly software design when linked to