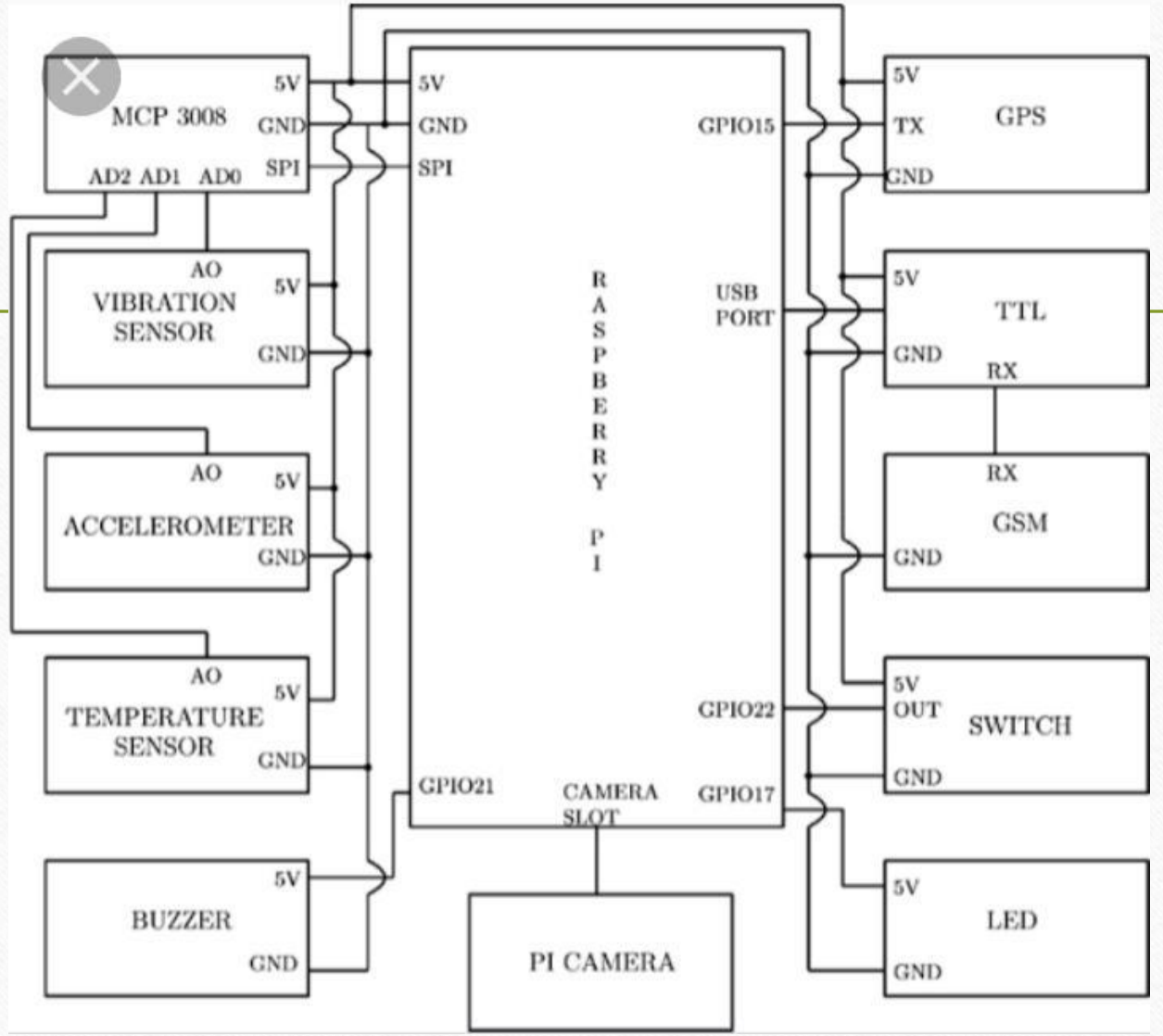
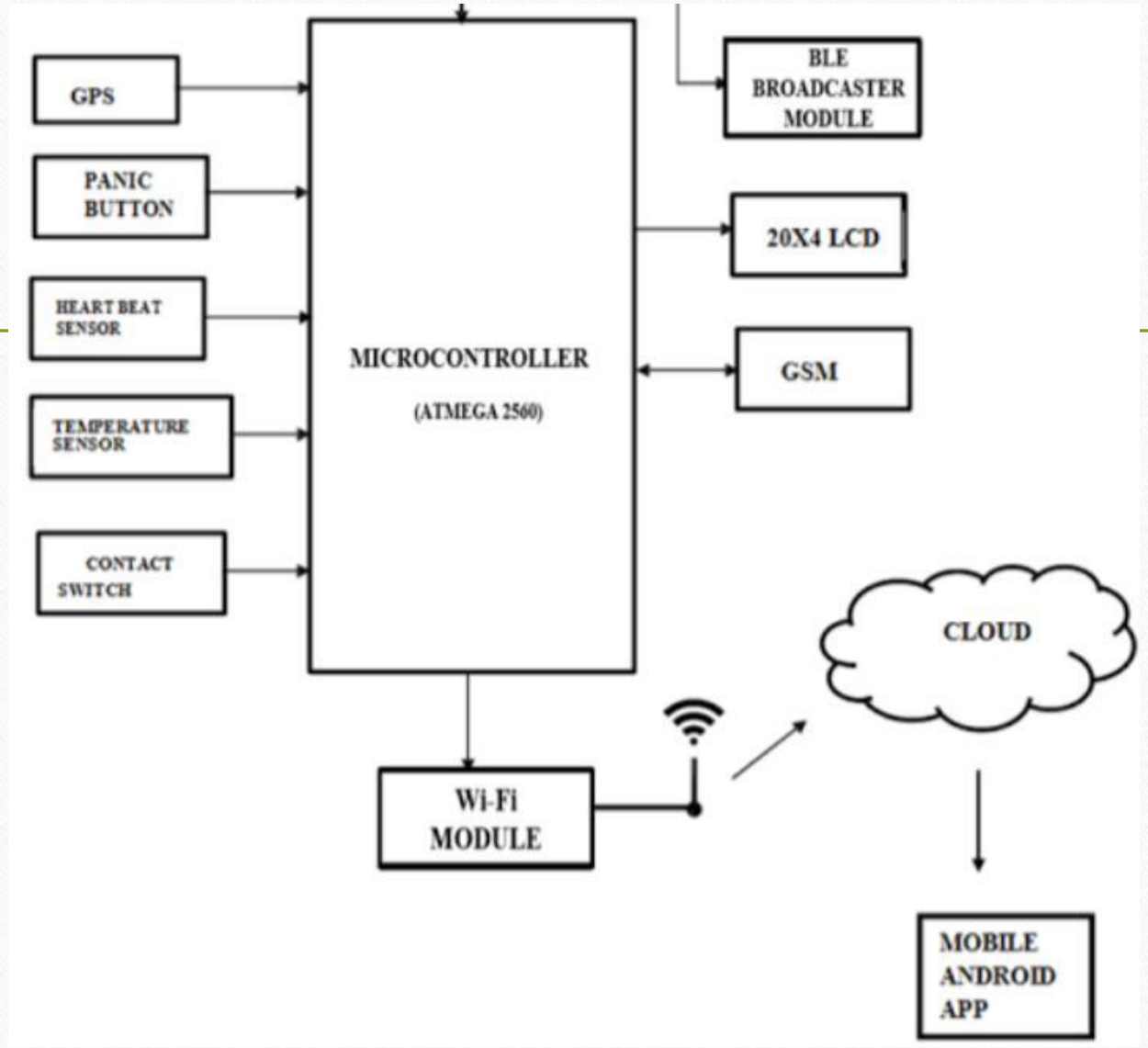
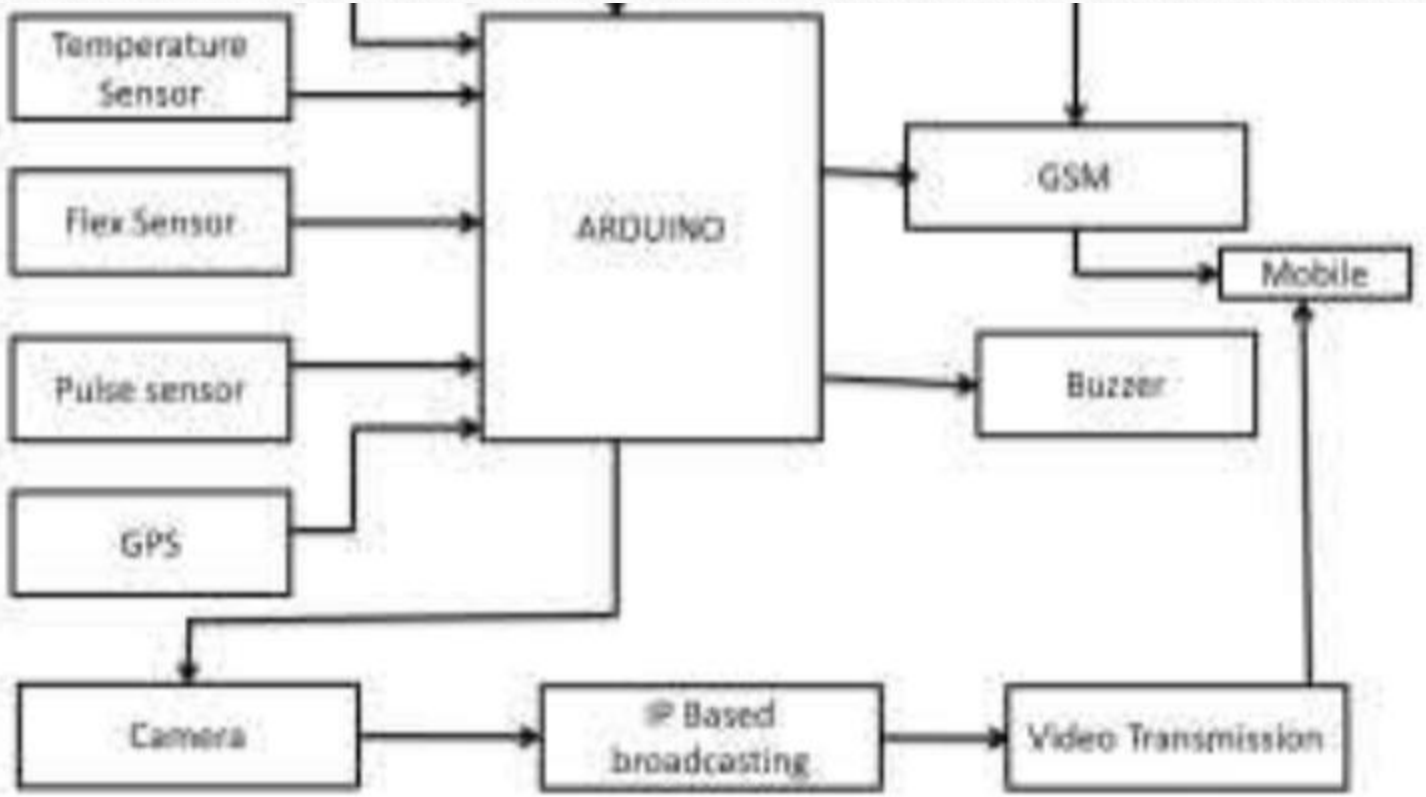
HEADING: create and configure IBM cloud services

TITLE: data flow diagram

DATE: 8 November 2022
TEAM ID : PNT2022TMIM08341
PROJECT NAME: IOT based safety gadget For child safety monitoring and notification


MCP 3008
5V
GND
SPI
AD2 AD1 AD0
AO
VIBRATION SENSOR
5V
GND
AO
ACCELEROMETER
5V
GND
AO
TEMPERATURE SENSOR
5V
GND
BUZZER
5V
GND
5V
GND
SPI
GPIO21
RASPBERRY PI
CAMERA SLOT
PI CAMERA
GPIO15
USB PORT
GPIO22
GPIO17
5V
TX
GND
GPS
5V
GND
RX
TTL
RX
GSM
GND
5V
OUT
GND
SWITCH
5V
GND
LED


GPS
PANIC BUTTON
HEART BEAT SENSOR
TEMPERATURE SENSOR
CONTACT SWITCH
MICROCONTROLLER
(ATMEGA 2560)
BLE BROADCASTER MODULE
20X4 LCD
GSM
Wi-Fi MODULE
CLOUD
MOBILE ANDROID APP


Temperature Sensor
Flex Sensor
Pulse sensor
GPS
ARDUINO
GSM
Mobile
Buzzer
Camera
IP Based broadcasting
Video Transmission