

Health monitoring Prototype ~ESP32+Firebase~

RTOS method
cancelled for
now -
reboot/stack
problem

RTOS - I2C
communication with
sensors

Master Slave
communication b/w
UNO and ESP32



Arduino I2C with
MAX30100



UART
communication
(P16,17 of ESP and
rx and tx of UNO)



I2C with
MLX90614 from
ESP32 and collect
MAX30100
readings from
Serial2 com.



convert each data
to json form-
ready to push to
firebase



ECG sensor
(AD8232)
connected to
ESP32



Push all json ready
values to Firebase.
(creating child
fields with
Timestamp)