

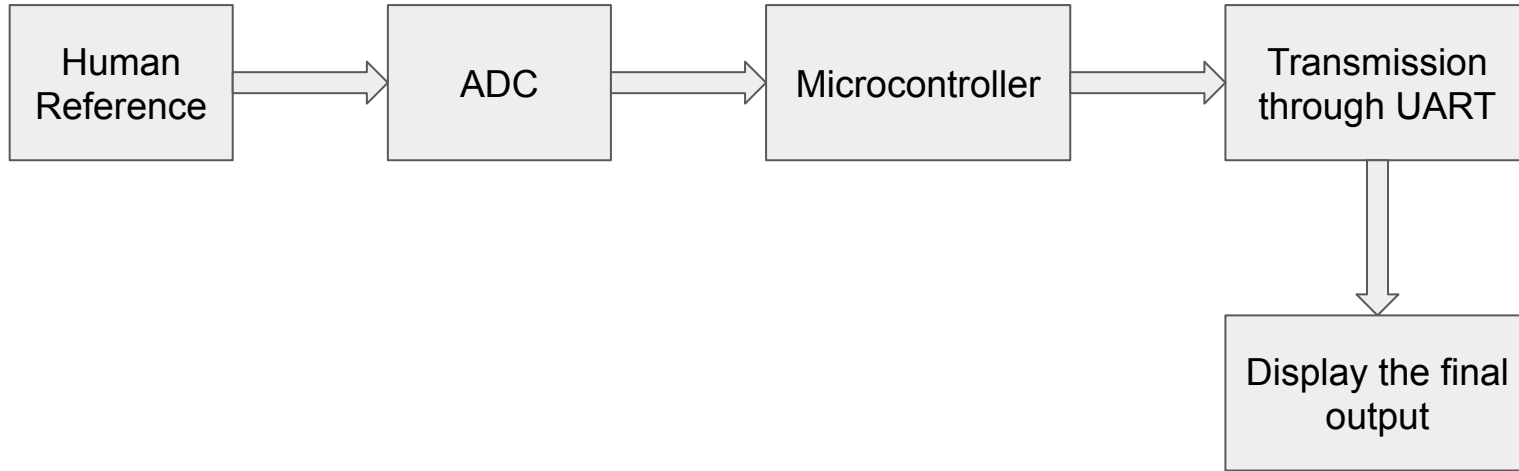
# Embedded Project

- Problem Statement:

Implementation of BPM counter ie: the counter for no. of beats per minute from a human body

The project flow and methodology used is discussed in the next slide

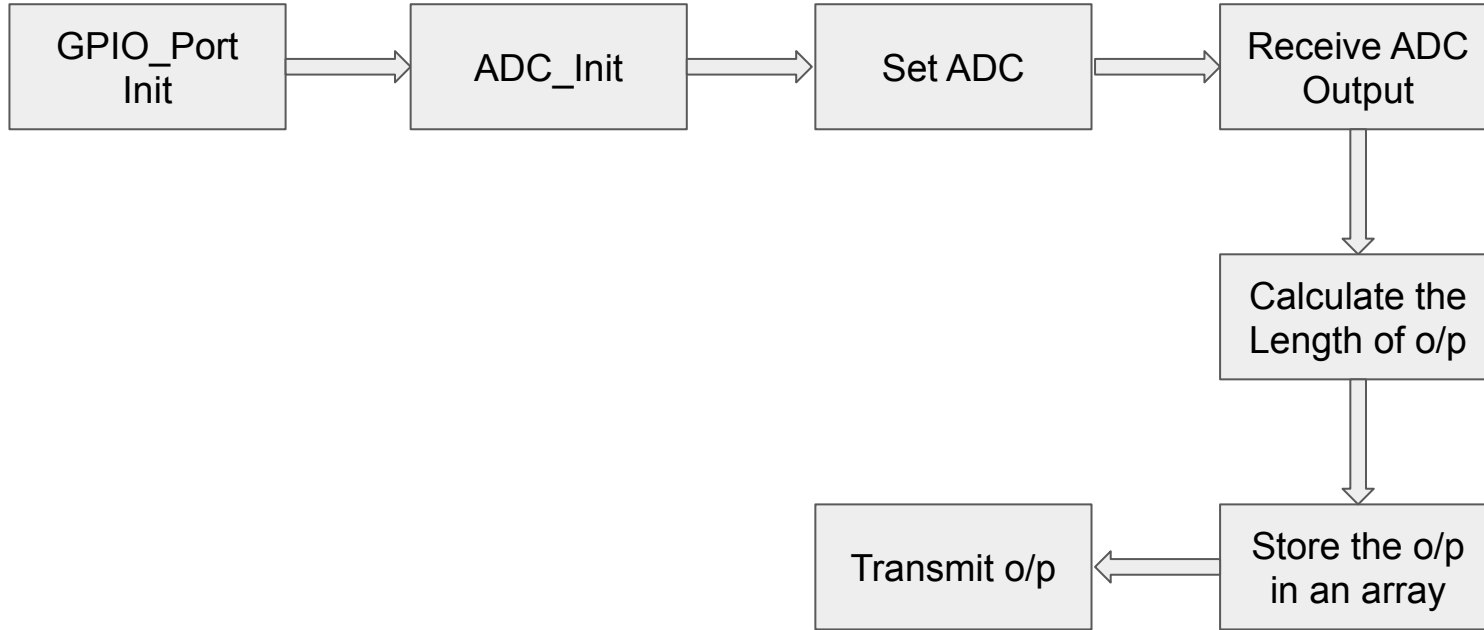
# Implementation



# Logic Flow

- There are multiple steps which need to be performed for implementing this code.
- The signals from the body lies in the range of 0-1v max.
- The analog signals from the body needs to be converted to digital through ADC built in the microcontroller.
- The processed signal needs to be analysed and perform a level check through which the signal count can be calculated.
- Each count the RED led should glow once.
- The count must be stored in a variable and sent to the computer through serial communication using UART.
- The code flow is as follows,

# Logic Flow



# Logic Flow

