**FLOWCHART FOR ANALOG TO DIGITAL CONVERSION**

Display the value of data obtained by the above formula onto the LCD.

Using the formula below obtain the desired voltage;

Volt = ((data\*5.0)/(28 or 210)\*1000)

Store the contents of the buffer into another variable, example: data

Enter the hexadecimal code for activating the particular channel i.e

ADS = 0X00; // FIRST CHANNEL SELECTION

In r\_cg\_adc.c, copy and paste following function names into main.c file: R\_ADC\_CREATE(); R\_ADC\_START(); R\_ADC\_Set\_OperationOn(); R\_ADC\_Get\_Result(&buffer);

While fixing settings select the ADC icon and choose the desired resolution and number of channels.

Connect the analog output of the sensor to the ADC input pins of the RENESAS microcontroller.