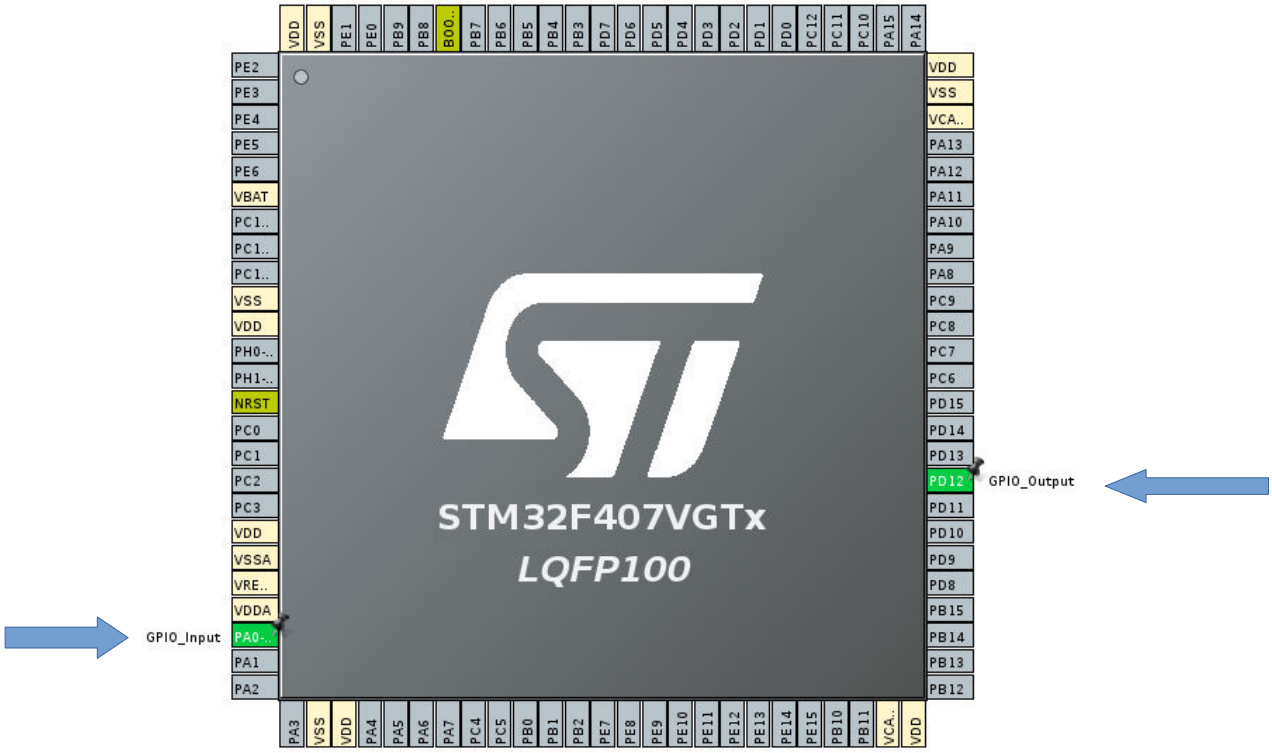
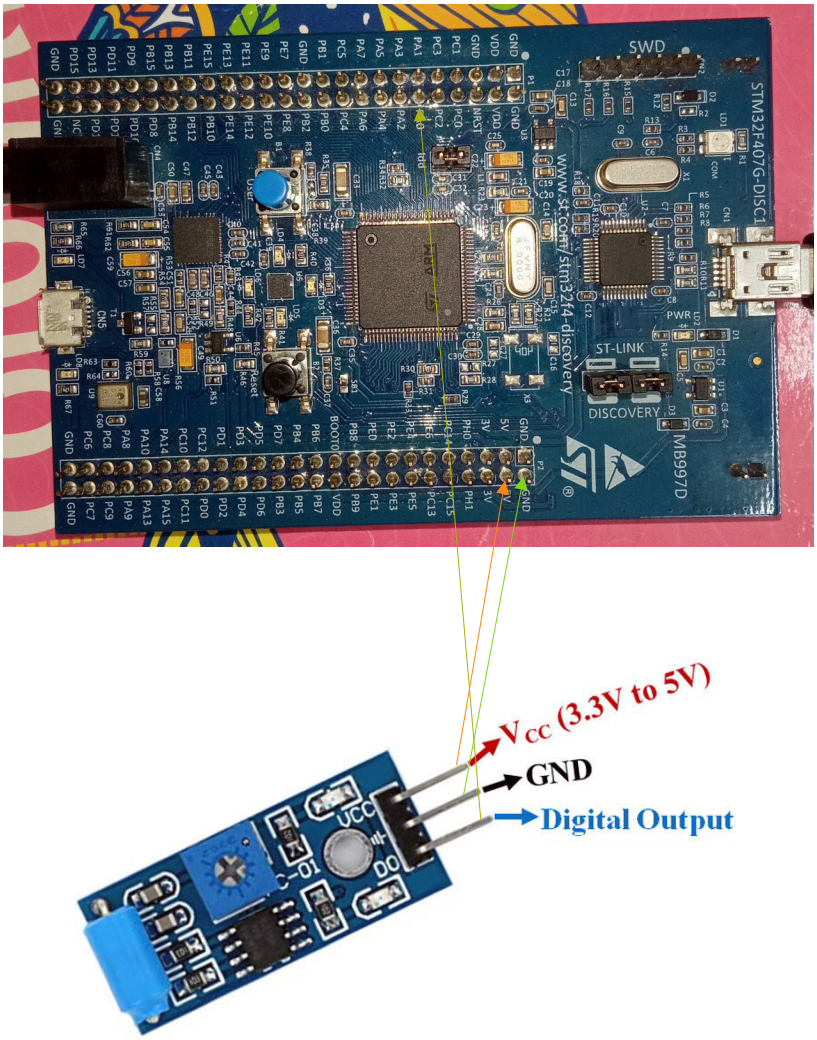
INTERFACING WITH VIBRATION SENSOR WITH STM32

Step 1: Make a file and enable the PA0 pin as GPIO_Input and PD_12 as GPIO_Output you can select any pin as per requirement this is depend upon programmer



Step 2 : This is code for the vibration sensor here we check if **PA 0** set then led will turn on for indication of vibrtaion

```
 /* USER CODE BEGIN WHILE */
  while (1)
  {
        if(HAL_GPIO_ReadPin(GPIOA, GPIO_PIN_0)==SET)
        {
              HAL_GPIO_TogglePin(GPIOD,GPIO_PIN_12);
      }
    /* USER CODE END WHILE */

    /* USER CODE BEGIN 3 */
  }
  /* USER CODE END 3 */
}
```

Step 4: Make the connection