**Experiment No. : 9**

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| **Name:** Sanskar Tewatia | **Date:** 3/04/2021 |
| **Lab partner Name:** Sayantika Mandal | **Course Code:** EED-308 |

**AIM**:This experiment is to get familiar with establishing the serial communication between the STM32 microcontroller board and the Arduino Uno board using SPI Protocol. STM32 has 1 or more SPI bus in it while Arduino Uno has one SPI bus so that it makes the communication possible between them. In this experiment we use STM32F303RE as Master and Arduino Uno as Salve to blink the LED which is connected with Arduino Uno.

# OBSERVATIONS –

# CIRCUIT CONNECTION BETWEEN ARDUINO UNO AND STM32:

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# ARDUINO IDE SERIAL MONITOR OUTPUT:

# 

# GLOWING LED:

# 

# 

# RESULTS:

# When the STM32 board is configured as the Master and Arduino UNO Board as the Slave, we observe the LED connected in the hardware, blinking and also the values of the blinking LED (0 for OFF and 1 for ON) on the Serial Monitor of Arduino IDE.