

# DMA and LPR

## **Introduction:**

This laboratory will require you setting various controllers which Low Power Mode and Direct memory access. You are required to keep laboratory **logbook**. It is for keeping notes, results, analysis other work. This includes a laboratory **worksheet** that should be completed and fixed into the logbook. You may also wish to include screen capture of programs and results to clarify your results. Work through the activities at your own pace, recording what you do in your logbook and referring to the worksheet, completing the tasks.

## **Aim:**

Configuring a low power mode and configuring a DMA channel for a memory-to-memory transfer.

## **Equipment and sundries:**

### **Hardware:**

- 1- STM32L476VG-DISCO
- 2- Cable Type A to Mini Type B
- 3- Logic Analyzer with cables

### **Software:**

- 1- STM32CubeIDE
- 2- PulseView

### **Logbook Entries:**

- 1- Briefly explain the FlexPowerController in respect of various low power mode (max 200 words).
- 2- Document the to do tasks.
- 3- Summaries your work and reflect your learning.