

# Abstract

This project aims to design and develop a secure digital (SD) card library based on PIC32 microcontroller. The main function of this system is to read and store files from the SD card. In addition, this system gives PIC32 developers access to large memory to store image and files. It also serves for later projects need SD card implementation. Thus, by using the library, the later PIC32 developers can get the information and write data to the SD card easily. The basic functions in the SD card library are write and read functions. The user can access the file stored in the SD card with calling a read function in the library.



