

**Course Title:** Microprocessor interfacing and embedded system (3 Cr)

Team project Semester: Group: 3 Section:

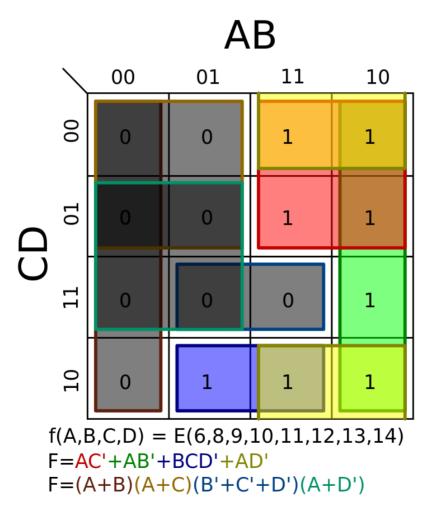
Names, Student IDs and emails:

Implement the given encryption table using microcontroller. Use single pole, double throw switch to configure the inputs for high and low conditions. Use LEDs to represent the corresponding output statuses

Input				Output			
13	12	I1	10	03	02	02	01
0	0	0	0	0	1	0	1
1	0	0	0	0	0	1	1
0	1	0	0	1	0	1	0
1	1	0	0	0	1	1	0
0	0	1	0	1	0	1	1
1	0	1	0	1	1	0	0
0	1	1	0	0	1	1	0
1	1	1	0	1	1	0	0
0	0	0	1	0	0	0	1

1	0	0	1	0	0	1	1
0	1	0	1	1	0	1	1
1	1	0	1	1	1	0	0
0	0	1	1	1	0	1	0
1	0	1	1	0	1	1	1
0	1	1	1	0	0	1	0
1	1	1	1	1	1	1	0

Hints for deriving the logic expression:



Example microcontroller: (Arduino UNO)

