



# American International University – Bangladesh

## Faculty of Engineering

\*\*\* Rename your pdf file name as “SL\_NAME\_ID\_MAES\_SECTION\_ASSIGNMENT 01”

\*\*\* Submit in the assessment submission link on 02/06/2022 (not before or after).

Course Name:	Microprocessor and Embedded Systems	Course Code:	EEE 4103
Semester:	Summer 2021-2022	Section:D	
Faculty Name:	Sujan Howlader		

Assignment No:	01
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Student Name:	SHUJATO BARUA		
Student ID:	18-36149-1	Class Serial	07

**Question: Complete the following table after going through the datasheet of the following processors:**

	ATMega328P	STM32F401xE	PIC24FJ64GA004	PIC33FJ32GP302
Architecture type	Harvard	Von Neumann	Harvard	Harvard
Number of pins				
Processing Speed (MIPS)	20	105(DMIPS)	16	40
Program flash memory (bytes)	32000	512000	64000	32000
Operating voltage range (V)	1.8V-5.5V	1.7v-3.6v	2v-3.6v	3v-3.6v
No. of PWM channels	6 PWM outputs	4	5	
Communication Interfaces				