CS3101 - COMPUTATIONAL THINKING LAB
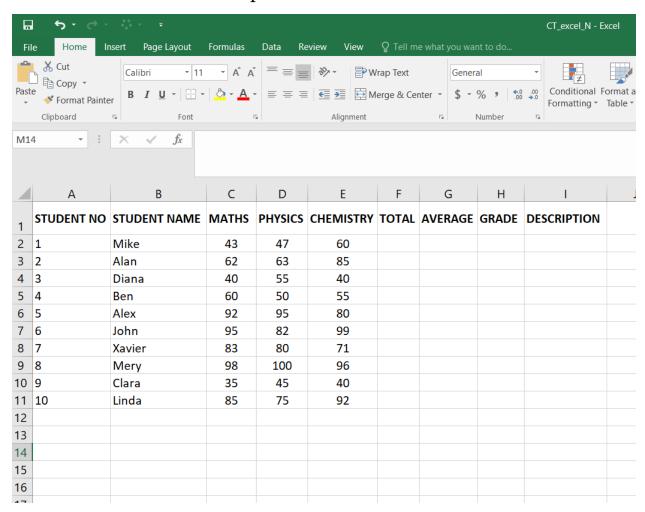
(Week 6 – 28.10.2023)

EXCEL FORMULAS & FUNCTIONS

EXECUTION & SPOT

Question 1:

Let us consider 3 subject marks for ten students in a class in the board exam. The data is entered into the spread Sheet as Shown below:

	A	B	C	D	E	F	G	H	I
1	STUDENT NO	STUDENT NAME	MATHS	PHYSICS	CHEMISTRY	TOTAL	AVERAGE	GRADE	DESCRIPTION
2	1	Mike	43	47	60				
3	2	Alan	62	63	85				
4	3	Diana	40	55	40				
5	4	Ben	60	50	55				
6	5	Alex	92	95	80				
7	6	John	95	82	99				
8	7	Xavier	83	80	71				
9	8	Mery	98	100	96				
10	9	Clara	35	45	40				
11	10	Linda	85	75	92				

a. Find the total and average of each students under the column called **Total** and **Average**.

b. Consider the average marks as the students score. Calculate the grades of the students as per the grade rule table given below under the column called **Grade**.

Marks Range	Grade
Score>=90	A
90>Total Score>=80	B
80>Total Score>=70	C
70>Total Score>=60	D
60>Total Score>=50	E
Total Score < 50	F

c. Students who pass need to have a total score greater than or equal to 50. Display the word "Pass" or "Fail" under a column called **Description**.

d. Calculate the Maximum mark, Minimum mark, mean, median, standard deviation and variance.

Question 2:

Create your class time table in excel. Use different fonts and color options.