## Vie-lab:

- Oi) Program memory: Stores the program in the form of instructions Data Memory: stores the Lata that is operated on by the program
- BD) MPU: contains (pu, optimised for extremel data manipulation & storage MCU: less complex than MPU, optimised for use when little extremel devices are connected to
- Q3) CISC (complex histraction Set Computing):

  - Yazichbi command, bit sizes & multiple clocks Aim is to simplify the program (hardware more complex)

RISC [Reduced Instruction Set Computing):

- simple instructions
- Aim is to simplify handware structure
- 04) Mardware Model: Focus on hardware characteristics (undestanding physical capabilities & auto Software Model: Focus on instruction set & syntax
- Q5) main purpose of AU is to do arithmetic operations, as well as logic operations
- De Infinit loops are very resource intensine & consume a bt of power
- Q7) using interrupts, which interrupt the operation of the program for sometime than resume operations when a particular flag is set
- Q8) to do compler operations à manipulate data
- resources allocated for a particular program
- DD) ".c' files are implementations of functions declared in 'h" files
- all) to have more control of the CPU while ovoiding as much overhead as possible.

Date and Session Time:

## Department of Electrical and Computer Engineering

## Rubric for Laboratory Notes 1: Familiarisation with an IDE

Names and II							
(Please do not	forget to write you	r student ID numbe	er, including your lab	oratory partner(s))			
Tasks		Progress Completion Assessment Criteria – Demonstrator(s) Academic Judgement					Demonstrator(s)/Group
		0%-20%	20%-40%	40%-60%	60%-80%	80%-100%	Initials/Sign
Pre-Laboratory (Logbook							
Notes/Answers/Explain Code)							/30
1	(Tick)						
Laboratory Session							
Demonstration/Progress							/70
2	(Tick)						
						Mark	/100