MARKING SCHEME

PROGRAMME:	INDUSTRIAL AUTOMATION & ROBOTIC	DURATION
TOPIC:	6.0 APPLICATION OF MICROCONTROLLER - DRIVING SERVO MOTOR	3 HOURS
CODE / SUBJECT:	DMR40333 / EMBEDDED SYSTEM	ASSESSMENT
STUDENT NAME:		LAB 2
SEM/SESSION:	SEMESTER 4 / SESSION JANUARY - JUNE 2023	

No.	Criteria		Basic Mark	Factor/ FP	Obtain Basic Mark	Full Mark
	WORK PROCESS					
A	**SECTION A [RESULT]**					
	Result No.1 (Circuit 1)					
	- Connection from any Arduino digital pin to Servo2 signal pin - Connection from Servo2 +ve pin to +5V - Connection from Servo2 -ve pin to GND	No any	0	3		9
		Any 1	1			
		Any 2	2			
		All	3			
	Result No.2 (Modified Program)					
	- Declare pin for Servo2 - Create Servo2 object - Servo2 attach in void setup() - Servo2 move 0^o - Servo2 move 90^o - Servo2 move 180^o	No any	0	4		20
		Any 1	1			
		Any 2	2			
		Any 3	3			
		Any 4	4			
		All	5			
B	**SECTION B [DISCUSSION]**					
	Discussion No.1					
	Correct as given marks (Total 2 marks)			1		2
	Discussion No.2					
	Correct as given marks (Total 4 marks)			1		4
	Discussion No.3					
	Correct as given marks (Total 8 marks)			1		8
	Discussion No.4					
	No attach any		0	2		10
	Partial observation by student		1			
	Wholy observation by student but no relate to objective		2			
	Wholy observation by student and related to objective but not complete		3			
	Wholy observation by student, related to objective completely but not discuss solution		4			
	Wholy observation by student, related to objective completely and discuss solution		5			
C	**SECTION C [CONCLUSION]**					
	Not attach any		0	2.5		5
	Make a conclusion but not completety relate with the result obtain		1			
	Make a conclusion and completety relate with the result obtain		2			
				TOTAL (A + B + C)		58
				TOTAL / 58 X 100%		

LECTURER	SIGNATURE	DATE