

MYMENSINGH POLYTECHNIC INSTITUTE  
MYMENSINGH  
ELECTRONICS TECHNOLOGY  
SEMESTER PLAN ( 7<sup>TH</sup> SEMESTER)

T P C  
3 3 4

Subject- Computer Control System & Robotics (66871)

Week	Theory		Practical		
	Content (Specific Objective)	Activity		Content(Practrical Job No)	Activit y
		Class Test	Learnin g Meteria ls		
1	1. Understand Control System.(1.1-1.4)		Ref. books, whaite board, marker, duster.	1. Demonstrate the Open loop control System using servomotor motor.	
2	2. Understand the computer control system. (2.1-2.8)			Review. 1	
3	3. Understand digital control system.(3.1-3.6)			2. Demonstrate Close loop control System using servomotor motor.	
4	4. Understand the Threats of computer system security.(4.1-4.6)	CT 1		Review. 2	
5	5. Understand the controller. (5.1-5.5)			3. Perform the work of ON / OFF control by using PC.	
6	6. Understand the fuzzy Logic controller.(6.1-6.5)	QT 1		Review. 3	
7	7. Understand the fundamental of Robot.(7.1-7.9)			4. Perform the work of three step control by using PC.	
8	MID EXAM		MID EXAM		
9	8. Understand the basic feature of manipulators & controllers.(8.1-8.8)		Review. 4		
10	9. Understand hydraulic and pneumatic drive system.(9.1-9.6)	CT 2	5. Perform the speed control of AC motor employing variable frequency variable voltage (VVVF) by using PC.		
11	10. Understand robot gears and linkages.(10.1-10.4)		Review. 5		
12	11. Understand End Effectors.(11.1-11.4)		6. Perform the speed control of DC motor employing variable voltage (VVC) by using PC.		
13	12. Understand robotic sensor.(12.1-12.4)	QT 2	Review. 6		
14	12. Understand robotic sensor.(12.5-12.9)		Review. 1,2,3		
15	13. Understand robot specification & application.(13.1-13.4)		Review.4,5,6		

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