KALAM INSTITUTE OF TECHNOLOGY (P), BERHAMPUR

		LESSION PLAN
DISCIPLINE	SEMESTER 5-1	·
SUBJECT	NO. OF DAY/	CERTECTED PRODUCES
Mechatronic	WEEK CLASS	SEMIESTER FROM DATE: TO DATE:
(CC) (COPTON)(ALLOTED	NO. OF WEEKS: 15
	4 !	
WEEK :	CLASS/DAY	THEROY/ PRACTICAL TOPIC
1	1 01-08-2029	Difinition of Mechatronics
į	2 02-08-29	-Adjusting & diparties.
i	3 03-08-201	-Aduntages & disadvantages of MechetronicsApplication of Mechatronics.
	4 04-08-28	scope of Machalianics.
Ī	5 🐯	scope of Mechatronics in Undustrial Sector
2	1 05-08-23	Company of a s
i i	-	Components & Importance of Mechatronics system.
<u>-</u>	10-08-0	
L	9 100 29	classification of Transducers
	5 1.6 - 08 - 14,	Electromechanical Transducers.
	10 7	Electromechnical Tronsducers.
_	2 19 -08-2B	Tronsducts Actuating Mechanism.
	23-08-23	Tronducers Autuatory Machinen
	1 . 23-08-28	Displacement & position sensors.
5		70471001 - 193041
_1	24-68-28	Velocity and Motion Sensors.
. 2	35-08-29+	Force à pressure bensons?
. 3	96-08-23	tomport so
. 4		Marking and light Sensors?
5		Machine, Kine Matic Link Kinewatic Dais, Meehow
1	31-08-201	olidan tomak a a a l
2	02 -08 23	Blider crank Mechanism, Mechanisms, Glass, Belf Cours
3	05 -08-29	bearings, owitches and relay.
4	07-0923	<u> </u>
5	" 49 79	D.C. Motors
1	08-09-293	Stepper Motors
2	09-09-293	A.C. MOTORS.
3	12-09-243	specification and control of stepper Motors,
4	13-09-243	Servo Motors D.C. & A.C.
5		Die a vie
1	16-09-243 3	Lacida Alalana a a da
		rano Wotors D.C & D.C
3	21-08-243 1	Introduction of PLC
		Advantages of PLC
	26-08-243	selection of PLC
5		
	1809-243	uses of PLC
2 0	3-10-247	USER OF PLC
3 0	5-10-243	richitecture back totamal structures.
	1/1	LICITITE COUNTY COUNTY TO THE FUNCTION OF THE
4 1	1-10-240	rehiteeture bosic Internal structures.

WEEK	CLASS/DAY THEROY/ PRACTICAL TOPIC	
`9	13-10-293 Input/output processing and promone	A)
	2 17 -10-203 bout output Processos	
	3 18 -10-20% (1 and tout 24 th 2000 and 2/2)	9",
	4 30-10-5631 W vewovice. We exclude with Lundam my	,
	5	
10	1 31 -10 20 Moemonics	11
	7-211011103	
. ,	1 100 100	•
	109121	
•	4 03 -10-243 Jump Controllers,	
11		
••	1 04-10-243 NC Machines	
	2 of-10-293 CNC Machines	•
	3 09 -10-203 CAD	
	4 10 -11-297 CAM	
	5	
12	1 11-11-297 50 floore and hordware for cad/ con	
	2 14 -11-293 Function of CAD/CAM FYRSON,	
	A If The Application of Characteristics of CADICANI	Cysten
	5.	
13	117-11-293 Introduction to CNC Machine	
	4 24-11-293 Factors of design of guideway	4.
	5 Faltors of design of guideways.	
.4	1 20 -11-2401 (0)	
	1 28-11-249 Spindle drives.	
	2 29-11-243 Food drive,	
	, 3 01-12-193 spinage ma spinale bearings.	
		Botics
· ·		10110
5	1 05-12-293 types of industrial rookofs.	
ing to a	2 of -12-49 Ko botic Custome.	
	Robotic custems.	
	and I duntage I Direction force of mobile	
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P	KALAM INSTITUTE OF TECHNOLOGY, BERHAMPUR							
Pro 0222 222		,		LESSON PLAN				
DISCIPLINE:	SEMESTER:		NAME	NAME OF THE TEACHING FACULTY: B, VENKOLO ROO				
Ind. Engg & Management	NO. OF CLASSES ALLOTED PER WEEK:		SEMESTER FROM DATE: 1617/24 TO DATE: 26/4/24.					
Management	5	_	NO. O	F WEEKS:				
WEEKS	CLASS DAYS	DATE	UNIT	THEORY	REMARK			
	¹ 1st	116/1/24	1	Introduction				
	2nd	13/1/24		Plant Engg: - Selection of site				
1st	3rd	1811/24	1	plant layout, objectives				
, .	4th	19/124		Principles of plant layout				
	5th	1001/04						
	1st	22/1/24		Process layout				
2nd	2nd	24/1/24		Product layout,				
	3rd	25/1/29		Combination layous				
	4th		-	The state of the s				
	5th	2911		Tank - 1 2 - 12 - 12 - 12 - 1	*			
	1st 2nd	3011		Techniques to compose layout				
3rd	3rd	31/1		Principles of material handling for				
	4th	12		Break down Maintenance				
	5th	22	T J	46 字规型使用 32 15 26 16 16 17 15 17 17 12 18 2 17 18 18 18 18 18 18 18 18 18 18 18 18 18				
F 15 (1)	1st	52		Scheduled Maintenance				
	2nd	6/2	2	Operation Research. Introdu				
4th	3rd	72	9 (0)	Linean poogramming -),			
	4th	82		Pooblems 20/129				
1.53	5th	912	Y To Will	Problems 80/ved.				
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1st	12/2		L. P. Poddems by & graphically				
	2nd	13/2		CPM				
5th	3rd	15/2	11.5	CPM				
	4th	16/2		PERT				
	5th	3 ,	1/1					
	1st	19/2	601	Poordens				
	2nd	2012		Problems				
6th	3rd	21/2		Difference bet CPM & PERT				
	4th	2212	3	Inventory control - Introduct	ы			
	5th	23/2		classification of Inventory				
. }	1st	26/2		Objectives of Inventory Cons	1			
7th	2nd	21/2	-	Function of Inventories.				
/ 	3rd	2012	4	Benefits of Inventory control				
-	4th	1/2		costs associated coul Inventor	1			
	5th	1/2		Framinology in 1.C				
	2nd	63		L'oncomic order quantity				
8th	3rd	9/2	-	Problems				
	4th	112	+	Pooblems.				
	5th							
	0			. 7				

G .				•	
	1st	11/3	.11	ABC analysis.	Τ
	2nd	12/3	4	Inspection and Quality Control.	1
9th	3rd	23/3		21	-
,	4th	1413		Types of Inspection.	7
	5th	15/3		-do-	<u> </u>
	1st	18/2		Adv. & dis odv of Quality con	1.1
	2nd	15/3		Study of tactors & Intlume's	<i>1 1 1 1 1 1 1 1 1 1</i>
10th	3rd	2013		Concept of Statistical gual	<u> </u>
	4th	21/3		X. R Charts Vant	
	5th	22/3		pand c chants.	
•	1st	27/2		Melhods of attributes.	
	2nd	28/3		Concept of ISO 9001-2008	
11th	3rd			7 2008	
	4th	· · · · · · · · · · · · · · · · · · ·	ļ		
	5th	10 100			
	1st	214		Quality Management System	
10.1	2nd	314	-	Registration (Cortification Sigt	24.
12th	3rd	44	<u> </u>	Benefits of ISO to the Organiza	
	4th	1.5/4	, the same	JIT, Sex Sigma O From	•
	5th	0)4			
- 3	1st	819		75, lean manufacturing	
13th	2nd	914		problems 0	
13Ш	3rd	1014	4 44	problems	
	4th	11214	5	Production planning and Cons	ĕď.
	5th	0.0 \$ J.			
	1st	1319	1. 1.1.2 1. 1.1.2	Major kunetions	-
14th	2nd	1614		Methods force Casting , Rout	no
1411	3rd	1819		Scheduling	
	4th	1714		Dis patching Controlling	
- a- V j	5th	22/4	Carlos de la companya della companya de la companya de la companya della companya	0	
	1st	00/1/		Types of production-Mass	
15th	2nd	219		patch production.	
1501	3rd	24/		Job orden production	-
1 1	4th	676		principles of product and	
	5th	2614	-	-do- Process pt	ning
-	1st	'			
16th	2nd		- '		
10111	3rd	, , , , , , , , , , , , , , , , , , , ,			
-	4th				
	5th				

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