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# Velammal College of Engineering and Technology, Madurai (Autonomous)

# Department of Information Technology Lab III Utilization Register

Lab in-charge: Mrs.R.Naucy Deborah, AP-III/I' System Administrator: Mr.R.Ajay

SND	Date / Day Order/ Session	Xarv Sony Sec	Course Code/ Course Name		No of Systems required	Problem Description	Status	Incharge Signature	Jab Incharge Signature (Mr. R. Abry (Deborah)
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## Velammal College of Engineering and Technology, Madurai (Autonomous)

Department of Information Technology Lab II Maintenance-Register

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Lab In-Charge: Mrs. P. Saraswathi, AP-III/IT System Administrator: Mr. K. Loganathan, TA/IT

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Velammal College of Engineering and Technology, Madurai – 09.

(Autonomous)

## Department of Electrical and Electronics Engineering

## MAINTENANCE SHEET 2023- 2024

#### ENGINEERING PRACTICES LAB

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Power Electronics Lab

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# Year 2013-2024

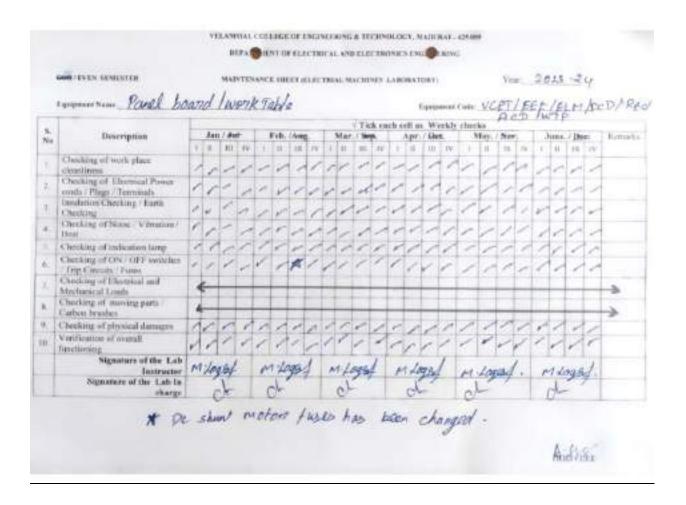
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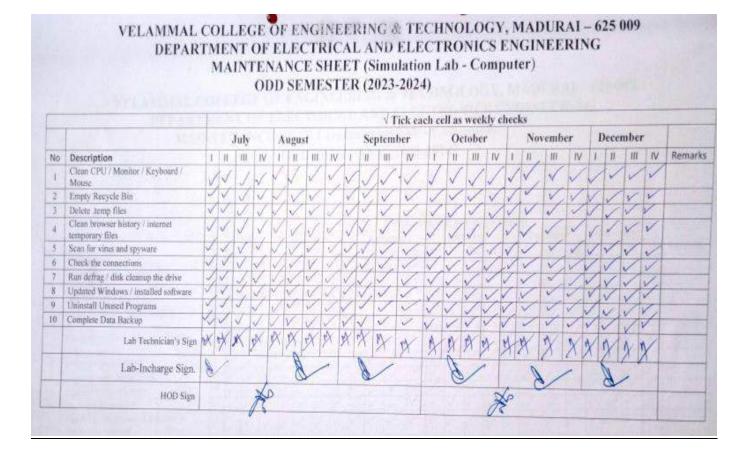
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Electrical Machines Lab





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4	Chill Name / Vibration / How (Bylend Weak fields (Synthesis	11	θ,	4	1	1	12	12	1	~	2	1		1	1			7	21	7	10	-	Y.	ř.	40.1
2	f. berk indicative light operation plast and systems	A)	1 4	1.	7.	1.	-	10	1	1			ř.	-	4	4	+	-		×.	Π.	~	×	1	Hin a Hiro
	Signature of Lab Technicians	al	1.03	100	10	1ì	1 11	1.e	all	×1	a.	-	1	×	4	4	1			1	~	~	4	10	the
-		1	R	¥.	.K.	X	1	X	8	12	-	5	10-1	Pr-1	81	5	3	20	11	04	19	- ph	W-	3h	
	Signatury of Lab-Inclurge		- 85	8 C	1		980	8 1		0	1			.0	io.			Geo			-	Q.	-	<u>-</u>	-

LABORATORY NAME: SOIL MECHANICS LAB

ACADEMIC YEAR : 20 23 - 303A

	Decedenting											Tic	k ead	h cel	l as w	eekly	chec	ks				-				
No	Description		Jan/Jul					Aug			Mar	/Sep			Apr	/Oct			May	/Nov	2		Jur	/Dec		
		1	11	111	IV	1	11	111	IV	1	11	10	IV	1	11	III	IV	1	11	111	IV	1	11	111	IV	Remarks
1.	Ensure work spaces and walk ways are clear and unobstructed and that no slip hazards are present	~	~	~	~	>	~	~	~	~	~	$\checkmark$	~	~	~	~	~	~	~	1	~	~	~	~	~	
2.	Ensure fasteners are working properly	~		1	V	V	$\checkmark$	$\checkmark$	V	1	1	$\checkmark$	$\checkmark$	$\checkmark$	5	$\checkmark$	$\sim$	1	V	~	V	V	1	1~	1	
3.	Visual check of mains electrical switches wiring, Arrange for immediate repair of any faults	-	1		1	1	~	~	~	~	~	~	~	/	~	~	~	~	~	~	~	V	V	~	~	
4,	Checking of equipment and instruments in working condition	~	1	~	1	1	1	$\checkmark$	~	$\checkmark$	~	~	~	~	~	$\checkmark$	~	~	~	~	~	~	~	~	~	
5.	Confirm the working area is clean & not slippery			~	~~	1	~	~	~	~	~	$\boldsymbol{<}$	~	~	~	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	~	$\checkmark$	~	~	~	~	
_	Sign	Ş	20.9	RO	12	B9	9.0	14-	60	80	192	R			28	8D-		22		88	40	B2	10	PS	130	
S.No	Description				Jan/ <del>Ju</del> l			Feb/Aug			Mar/Sep				k each cell as wee Apr/ <del>Oct-</del>			May/Nov			Jun/Bec				Rema	arks
1.	Conduct close inspection f damage in measuring list:		ents		V	1		~			V			_	/	the second s	1	V			v					
2.	Lubricate/Calibrate lightly according to manufacture specification	1			~			~	~		~			$\checkmark$				V	-		~	~				1
3.	Check availability of specific tools for the instruments (Spanners Allen keys,etc)			$\sim$			~	/		~				~			~			,	-					
4.				~			~							~				/			/					
	Sign			RA			F9				AR			68			PD				096					

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PROPERTING INFORMATION AND ADDR

S.No.	Description				_								Tick e	ach ce	il as w	reekly	checks					ACADEMIC YEAR: 2023 -2						
		Hen/Jul -Feb/Aug								*	44a	4/Sep			Ap	r/Oct	i de la		-Ma	y/Nov	750		June	e/Dec		Remark		
	Ensure work spaces and walkways are clear and unobstructed and that no slip bazards are present				N N	- ~	11	111	12	- - V	11		V	1	U	111	IN T.	1	11	111 ~	1	1	11	111	12			
2	Ensure fasteners are working properly	Y	V	v	N	1	n	n	N	V	r	V	N	V	V	V	1	1	1	v	~	1	V	v	~			
3	Visual check of mains electrical switches, wiring. Arrange for immediate repair of faults if any	V	v	V	v	v	~	v	~	v	r	r	v	r	v	2	5	-	~	~	~	_	v	4	~			
4	Checking of equipments Instruments in working condition	V	V	V	v	~	v	v	V	V	V	V	1	1	~	V	~	~	1	-	1	~	4	4	-			
5	Confirm the working area is clean and not slippery	V	V	V	N	2	n	~	N	2	N	-1	2	r	V	C	2	1		1	~	4	~	~	-			
	Sign			102			-fel	0	0K	(W)	6	QU.	R	W 1	8/10		Wh+	A.	4	12	41	4m	Ker-	41	Ke -			
S.NO	Description			<b>Cill</b> as			ks.	0.025	124	0.00	1000	-		_	(G) - 2		Υ.		1000		<u> </u>		1000					
		-ten/Iul			Feb/Aug			-	-Mar/Sep			+07		4pr/Oct		- 1	May/Nov			- 14	Home/Dec			R	emarks			
1	Conduct the inspection for damage in the measuring instruments		VV				1	V			/			V			~				V							
2	Lubricate/calibrate lightly according to manufacturer's specification	V				$\checkmark$			v	~			١	/	5		1	~			~							
3	Check the availability of specific tools for the instruments (spanners, allen keys etc.)		L	/		32	V	\$	`	/	-		V	<b>^</b> ,	9			~	2		L	/						
4	Check the materials/chemical required for conducting the lab classes		V	-		V	-		ι	-	-		V						~		~	~						
100	6500		R			18				N	/		1	V	_			Th	1	-		K	/		10	1.2		
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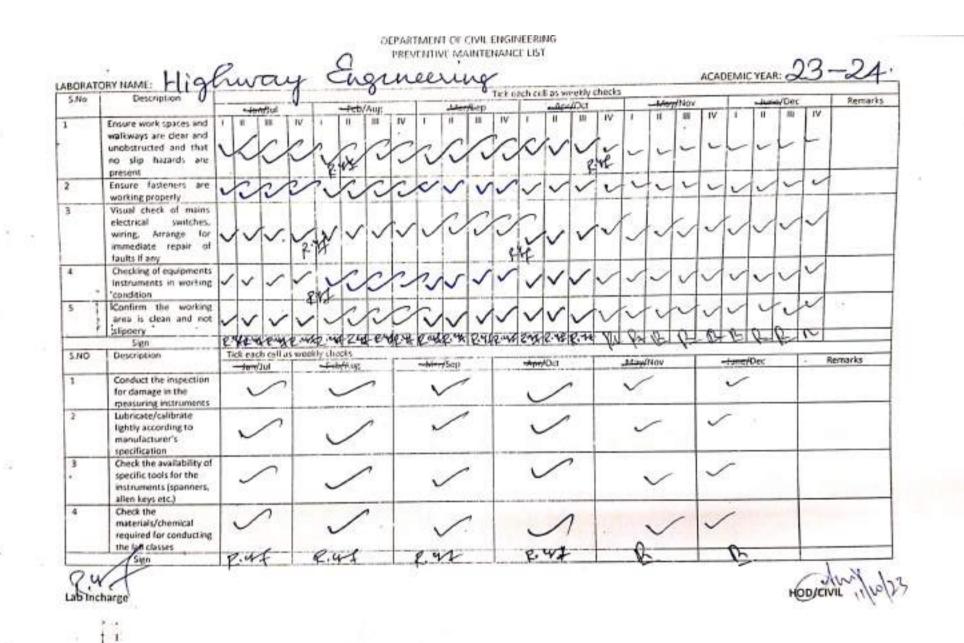
LABORATORY NAME: HIGHWAY ENGGLAB

ACADEMIC YEAR : 20 23- 2021

	ALCONDUCTION OF	-	_									Ti	ck ea	ch ce	ll as v	veekl	y che									
S.No	Description		Jan, Hul				Feb/Aug				Ma	r/ <del>Sep</del>			Ap	r/ <del>Oct</del>	-		Ma	y/No	ų.					
-		1 1	1	m	IV	1	11	III	IV	1	H	III	IV	1	11	111	IV	1	11	III	IV	1	11	111		Remar
1.	Ensure work spaces and walk ways are clear and unobstructed and that no slip hazards are present	U.	-	~	~	~	~	~	V	V	~	V	1	~	~	-	~	~	~	-	~	1	V	V	~	
2.	Ensure fasteners are working properly	1	1	V	$\sim$	V	1	~	V	1	V	V	V	V	~	~	V	1	$\checkmark$	1	V	1	t.	ł	1	
3.	Visual check of mains electrical switches wiring, Arrange for immediate repair of any faults	~	-	~	~	V	~	~	~	~	~	~	~	~	-	~	V	V	~	~	~	~	v	V	~	
4	Checking of equipment and instruments in working condition	V	Y	1	V	V	V	~	V	~	~	$\checkmark$	~	V	V	~	V	1	~	1	~	V	~	V	~	
5.	Confirm the working area is clean ¬ slopery	4	4	V	V	V	V	$\sim$	~	~	~	~	~	V	~	~	~	~	~	~	~	~	~	V	~	
_	Sign	PF :	2 1	20	8	82	120	82	92	D	20	PL	20	22	29	49	23	99	BD	69.	100	Ca	D)	0	00	
	<ul> <li>State (1990) (1990)</li> </ul>												Tick e	ach o	cell as	weel	kly ch	ecks	4	Car I	pr.	where a	0-	~		
S.No	Description				n/ <del>Jei</del>		I		012					72.5	0920						357.5	505			201-20	94
1.	Conduct close inspection to	9	+				-	Feb/4	- ug	-		/Sep	-	Ap	or/ <del>Oe</del>	ŧ.,	N	Aay/4	lov	-	Jun	/Dec.			Rem	arks
100	damage in measuring instru		-		V	_		$\sim$							V						~	1				
2	Lichaste/Calbrate lightly according to manufacturer specification	ng to manufacturer's		~				V	~			/						~				/				
3,	Check availability of spacific tools for the instruments (Spanners Aller keys.ett)			$\checkmark$		~	~								V		1		V		~					
4.	Creck of materials (chemicals required for the conduct of lab classes			$\checkmark$			~		/	~					~				~		1		-			
	Sign				22	- 1		20		1	6	12	-	1	82	-		P	2	-	02	-	-	-		

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#### DEPARTMENT OF CIVIL ENGINEERING

PREVENTIVE MAINTENANCE LIST

#### LABORATORY NAME:CONCRETE LAB

ACADEMIC YEAR : 2023-2024

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S.No	Description		Jan/ <del>Jul-</del>				Feb/Aug				м	ar/Se		1	202	or/Oc			May/Nov					Jun/Dec.				
			11	111	IV	1	11	III	IV	1	11	111	IV	1	11	1.00		1	111	111	IN	11	T	11	111	IV	Remark	
1.	Ensure work spaces and walk ways are clear and unobstructed and that no slip hazards are present			~	-	~	~		~	~	~	~	1-		1	~	~	ł			1	k	1.	1	/	~		
2.	Ensure fasteners are working properly	~	~	~	~	V	tv	1	~	~	~	V	1	1~	~	~	~	1	~	1-	1	1.	10	1	1	~		
3.	Visual check of mains electrical switches wiring, Arrange for immediate repair of any faults	)	~	~	~		~	~	~	~	V	-	1	~	1	1		1	~	V	~		ł	l	1	/		
4.	Checking of equipment and instruments in working condition	~	$\sim$		~	~	$\sim$	~	~	~	~	~		~	1	1	1	1	4	4	-	~	~	l	t-	1		
5.	Confirm the working area is clean & not slippery	~	$\sim$	~	~	~	$\sim$	~	~	1	V	~	~	4	1	1.	~	1.	1	1.	1	~	V	~	1~	1		
	Sign	P	2720	89	20	82	PD	100	(Del	RI	R.R	22 1			22 F			P2 0	\$2 F	22 1	20	29	10	12	86	2		
	1047429 (247429-127939-1279		L	1.54.5400									Tick ea	ach ce	ell as v	veekl	y che	cks			Cel. (C. 1938)		~					
S.No	Description	Description Jan/Jul					Feb/Aug_				Mar/	Sep.		Apr	Apr/Oct		May		/Nov_		Jun/De				Re	mark	5	
1.	Conduct close inspection for damage in measuring Instru				/			v			V	^		V	V			~			~	Ś	-	£.,				
2,	Lubricate/Calibrate lightly according to manufacturer's specification	lightly		~				$\checkmark$	-		~	<u>2</u>		~	$\checkmark$		- 13	~			~	No.		×.				
3.	Check availability of specific tools for the instruments (Spanners Allen keys,etc)			$\sim$			~				$\checkmark$			`	V		~				~							
4.	Check of materials/chemical required for the conduct of a classes	s ab			$\checkmark$						V	/		~	$\checkmark$		- 3	/			~							
Sign				\$	RA			2		1	PP.		1	R	2		£	P		) ER								

HOD / CIVIL



Lab Incharge

AUTONOMOUS, MADURAL-675039 DEPARTMENT OF CIVIL ENGINEERING PREVENTIVE MAINTENANCE LIST LABORATORY NAME: Concrete Laboratory ACADEMIC YEAR: 2023-24. Tick each cell as weekly checks S.No Description Remarks -----/Dec \*Ant/Nov Jos/Oct. Atr./500 Cah/Aug -tea/Jul 111 IV 10 ..... IV 11 . 111 :IV 110 m IV. 11 1 Ensure work spaces and 11 DV. 1 11 111 IV #1 walkways are clear and ۰. unobstructed and that no slip hazards are present 2 2 Ensure fasteners are V L 6 V 2 L working properly 14 Visual check of mains electrical switches. υ 60 wiring, Arrange for 2 immediate repair of faults if any Checking of equipments 6 4 t 2 L ٩., Instruments in working condition -Confirm the working S L forea is clean and not slippery 112 14 P 14 Sign Tick each cell as weekly checks S.NO Description -tuna/Dec Remarks Ape/Oct -Addrew Nov tan/hul -to Aug -Mer/Sep Conduct the inspection 1 5 v for damage in the measuring instruments Lubricate/calibrate 2 lightly according to ~ manufacturer's specification Check the availability of 3 ŧ. specific tools for the ~ instruments (spanners, allen keys etc.) Check the 4 materials/chemical required for conducting the lab classes 15 Sign Wow HOD/CIVIL Lab Incharge

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#### PREVENTIVE MAINTENANCE LIST

#### LABORATORY NAME: STRENGTH OF MATERIALS LAB

ACADEMIC YEAR : 20 23 - 2024

	A CONTRACTOR											Tic	ck eau	ch cel	lasv	/eeki	y chec	K5				-			-	[
5.No	Description		Ē	an/ <del>Jul</del>			Feb	/Aug			Mar	/Sep			Apr	/Oct	÷		May	/Nov			and in case of the local division of the loc	/Dec	-	
		h	11	111	IV	1	11	III	IV	1	11	111	IV	1	11	111	IV	1	11	111	IV	1	11	111	IV	Remark
1.	Ensure work spaces and walk ways are clear and unobstructed and that no slip hazards are present	1	ĺ~	~	~	$\checkmark$		~	1	~	~	~	~	V	V	1	~	5		v	J	v	1	V	~	
2.	Ensure fasteners are working properly	e	1	V	V				$\checkmark$	1	1	V	~	1		1	V	~	~	~	~	$\checkmark$	V	V	~	
3.	Visual check of mains electrical switches wiring, Arrange for immediate repair of any faults	~	r.		~	~	~	1	1		1	~	~	1	5	~	~	$\checkmark$	$\checkmark$	~	~	~	$\sim$	$\sim$	~	
4.	Checking of equipment and instruments in working condition	~	h		1	$\sim$	~	~	$\checkmark$		~	1	V	$\checkmark$	$\checkmark$	$\checkmark$	1	$\checkmark$	$\checkmark$	$\checkmark$	$\sim$	$\checkmark$	~	$\checkmark$	~	
5.	Confirm the working area is clean ¬ slippery	~	1	1	1	1	~	~	~	1	~	~	V	1	~	V	1	~	~	~	/	~	~	~	~	
_	Sign	Ş	29	89	80	12	629	29	120	81	PD	80	R9	RQ			ekly ch		RP	80	80	129	822	R	R	
No	Description		ľ	, L	an/Ju			Feb/4	ug_		Ma	r/ <del>Sep</del>	1		pr/Q			May/			Jun	/Dec			Rem	arks
1.	Conduct close inspection fo damage in measuring instru		rts		1			V	~		1				$\checkmark$	<u> </u>		V			ļ	~				
2	Lubricate/Calibrate lightly according to manufacturer' specification	100		ļ	$\checkmark$	•		V	1		1	$\sim$			~	~		~	/		•	/				
-	Check availability of specific for the instruments (Spanne Allen keys,etc)	ers	s		V			V	C		1	~		-	V	ſ .		1	1			~				
4.	Check of materials/chemica required for the conduct of classes				$\sim$			V	/			$\checkmark$			V	/		`	/			~				
	Sign	_			20			RO			乾	)			R			R	9		P	0.0	_			

Lab Incharge



#### DEPARTMENT OF CIVIL ENGINEERING

PREVENTIVE MAINTENANCE LIST

5.No	Description	_	_			_							Tick ea			eekly c	hecks	-	1111			-	-	-		
			-100	/Jul	_	_	+Fab,	Alug			Mar	/Sep			1.04	/Oct			-May	Nov	-	-		e/Dec	1	Remarks
	Ensure work spaces and walkways are clear and unobstructed and that no slip hazards are present	1	"	$\sim$	~	1	$\overset{"}{\checkmark}$		25	v	"		V	1 Var	11 X		iv	1 v	ミン	111	v v	1	11	~	12	4
2	Ensure fasteners are working properly	M	V	V	V	V	V	V	W	V	V	V	V	V	V	V		5	~	~	tu		4	-	5	
3	Visual check of mains electrical switches, wiring, Arrange for immediate repair of faults if any	V	$\checkmark$	X	V	V	V	~	V	v	YX H	N	$\checkmark$	V	$\checkmark$	<ul><li></li></ul>		~	V	~	~	5	~	-	~	
4	Checking of equipments Instruments in working condition		V	V	V	V	V	V	V	V	V	V	V	$\checkmark$	$\checkmark$	$\checkmark$		~	~	~~	~	5	V	~	~	
5	Confirm the working area is clean and not slippery		V	~	1~	N	1	h	1.	N	R	K	1	N	V	V	1	~	V	V	~	v	~	2	~	
	Sign	14		194	193	141	14	124	W	148	148	194	148	91	95	1.8		P4	- pt-	P	500	0	P	PA	A	
S:NO	Description		ck éac n/Jul	h cell a	-Ead	kly chi Aug	ecks	_	Ma	/Sep	<u></u>	- 22.	Apr	fOct	_		May/	Nov	-		June	/Dec			Rema	rks
1	Conduct the inspection for damage in the measuring instruments		L	/		L	/	W	1	/				$\sim$	-		11.000	/	-		3	~		ĵ.		
2	Lubricate/calibrate lightly according to manufacturer's specification		2	/		-	/			/	<			~	þ	X		,	/			/	~			
3	Check the availability of specific tools for the instruments (spanners, allen keys etc.)	н.	/	- jul	1	-	/			~	-			1	-		1	1	^		1	V	/			and a
4	Check the materials/chemical required for conducting the lab classes		~	/			-	/		-	1	N		1	1	/			/			-	1			
	Sign		3				ar			4	8			J.	r	_	1	TW	2		1	1	2			-

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LAMMAL COLLEGE OF ENGINEERING & TECHNOL AUTONOMOUS, MADURAI-625009. DEPARTMENT OF CIVIL ENGINEERING PREVENTIVE MAINTENANCE LIST

# LABORATORY NAME: ENVIRONMENTAL & ENGG. LAB

S.No	Description	1	-	_								Tic	k eac	h cell	as w	eekly	check	15		20 2	3 -	~	<i>*</i>	-		
3.140	Description	L	1000	in/Jul	and a local second			Aug.			Mar	/Sep,			-	/Oct	CIRCO.		May	/Nov						
1.	Ensure work spaces	- 1	11	10	IV	1	11	Ш	IV	1	11	111	IV	1	11	111	IV	1	II	111	IV	1	Jun	/ <del>Sec</del> -	IV	Dame I.
	and walk ways are clear and unobstructed and that no slip hazards are present	1	~	~	~	~	~	~	$\checkmark$	~	V	V	~	$\checkmark$	$\checkmark$	$\checkmark$	~	~	~	~	~	V	~		~	Remarks
2.	Ensure fasteners are working properly	V	$\checkmark$	V	5	~	$\checkmark$	V	V	5	~	V	V	~	~	5	V	~	1	-	-	-	V		-	
3.	Visual check of mains electrical switches wiring, Arrange for immediate repair of any faults	×	~	~	~	~	~	~	V	r	~	~	~	~	~		5	v	~	~	~	~	~	~	~	
4.	Checking of equipment and instruments in working condition	~	r	~	~	~	~	~	V	~	~	~	-	r	r	~	~	r	~	~	~	r		V	~	
5.	Confirm the working area is clean ¬ slippery	~	V	~	~	~	V	r	V	~	V	~	V	V	~	r	~	~	~	~	~	~	~	~	-	
	Sign	PA	18	20	PC	80	000	50	040	100	19	AD	TA	80	A	a-	8	100	82	80	00	(8)	00	0	100	
S.No	Description		-				_						Tick			as wee				1.00	1.402	(ce)	100	Ret	P	
S.IND	Description			1	an/ <del>Ju</del>			Feb/s	A		54	r/Ser				0000			( a.							
1.	Conduct close inspection fo damage in measuring Instru	r			-	-	-	V		-	- 37		2		pr/0	HEL	-	-	/Nev	-	-	n/Đe	c	-	Re	marks
2.	Lubricate/Calibrate lightly according to manufacturer' specification		15		V	1		5	6		L	-			2		+	V	-	+	2	_		-		
3.	Check availability of specific for the instruments (Spanne Allen keys, etc)	175	5	,	-			V			٢	-		1	-		1	r	-		١	-	-	1		
4.	Check of materials/chemica required for the conduct of classes	ls lab			V	-		V			٢	-			2	-		L	-		-	-		T		
_	Sign				PX2	1		14	2		8	S		1	14	ŝi.		6	20	-	( - C - 3	R		-		_

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#### DEPARTMENT OF CIVIL ENGINEERING PREVENTIVE MAINTENANCE LIST

\$.No	Description			_		2			_AE				lick ea	ch cel	as we	ekly ch	hecks					10000000		-	~~~	3-2
				lut/r	_	1	-Felo				-44017	/Sep			wheel	Oct	÷		Mary/	Nav		i	lune/	Dec	1	Remarks
1	Ensure work spaces and wolkways are clear and unobstructed and that no slip hazards are present	v	~	~	V	- V		~	N	' V	11 V	$\sim$	~ ~	'v	II V	~	≥ √	1	11	~	J	1	and the second second	111	1	
2	Ensure fasteners are working properly	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	1	1	1	1	1	1	~		1
3	Visual check of mains electrical switches, wiring, Arrange for immediate repair of faults if any	~	r	V	V	r	~	~	V	r	~	~	~	V	V	~	J	5	1	1	1	1	1	~	~	
4	Checking of equipments Instruments in working condition	~	V	-L	h	N	h	h	h	L	-1	~	N	~	~	N	1	1	1	~	1	~	1	1	~	
5	Confirm the working area is clean and not slippery	Y	V	V	~	T	~	1	~	V	N	N	V	~	~	V	1	~	~	1	1	1	~	1	1	
	Sign	12	au	10.	1/1	s a	4/2	12	a	D	10	100	hu	TU	1605	60	1 m	De	-n	A	5	-	m	n	0	_
5.NO	Description	Tit	ck eac	h cếl ạ	s weel	kly che	acks	-0	a pre-	162	-	1.42	in the second	100	ne	100	1 apr	I WA	1 40	- 13-	- 1-	In	112	n	n	
			e/jul	9		Aug			Ma	√Sep	-	-	Apr	/Oct			1.8400	/Nov	Sec.	-	lun	Dec	_	-	Rema	-
1	Conduct the inspection for damage in the measuring instruments		1	/		~	/	-		~	1			r	/			~	/		1011	-	/		Nema	1783
2	Lubricate/calibrate lightly according to manufacturer's specification		1	/		V	/			V	~			V	-			~	1			,	/			
3	Check the availability of specific tools for the instruments (spanners, allen keys etc.)		1	~		1	~		,	~			1	/	-			~	/		1	3	$\checkmark$			
4	Check the materials/chemical required for conducting the lab classes		V	1		V	/			V	-		1	V	-			K	(-	15	1	P	5		T	
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# VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY, MADURAI - 625 009

ODD SEMESTER

# PREVENTIVE MAINTENANCE LIST (MECHATRONICS LABORATORY)

Year: 28-24

Equipment/Machine Name: Basic Pneumatic Trainer Kit Module (VMPT-301LC)

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-		-	J	ul.		T	A	ug.		T	_	Sep.		-		ct.		T		lov.			1	)cc.	-	
No	Description	1	11	111	IV	18	11	111	IV	1	11	111	IV	1	11	III	IV	1	11	111	IV	1	.11	111	IV	Remarks
1.	Ensure workspace and walk-ways are clear and unobstructed and that no slip-hazards are present.	1	1	5	1	V	5	1	5	1	1	1	~	~	1	1	1	1	J	1	J	V	~		1	
2	Verify all guards are secure function correctly (Check latches, locks, fasteners and / or interlocks).	1	1	1	1	1	V	1	~	1	1	1	1	1	1	1	1	1	$\checkmark$	1	1	1	1	1	1	
3.	Visual check of mains Electrical Switches, Wiring and /or Conduit (Cracks, broken controls etc.)Arrange for immediate repair of any faults.	1	V	J	5	J	~	$\checkmark$	1	1	1	V	1	V	$\checkmark$	J	1	J	5	V	1	V	1	1	1	
4	Confirm availability and condition of Personal Protective Equipment	4	1	V	~	1	$\checkmark$	1	1	V	~	1	1	$\checkmark$	$\checkmark$	1	1	5	~	1	1	1	1	V	1	
5.	Performing virus check, updation and back up the required data.	J	1	~	1	V	~	4	1	V	$\checkmark$	~	V	V	V	V	1	1	$\checkmark$	$\checkmark$	V	V	V	~	1	
6.	Equipment's and electronic devices are clean and dust free	1	4	~	1	1	1	$\checkmark$	1	1	1	1	1	$\checkmark$	V	1	1	1	$\checkmark$	1	1	V	1	1	~	
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				lul.	_	-	A	ug.		-		Sep.	_		0	ct.		-	N	ov.		-	D	ec.	-	
1.	Conduct close inspection for damage to patch cords, switches, sensors, pneumatic and hydraulic valves and connectors.		3	/				/			0	/			U	/			J	e			V	/		
2.	Perform disk checkup ,clean the monitor ,keyboard, mouse and printers		3	1				1				1			Ŷ	6.			1				V			
3.	Lubricate the required devices and equipment's lightly according to manufactures specification		V	1			,	1			13	V			V	8			V				v	(		
4.	Check availability of the accessories needed for the equipment			1				1				/			Y	1			~				V	1	_	
5.	Check floor space for oil and water contamination		0	1				/			1	1			3	1			V	1			5	/		
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	Lab-In charge Sign.		3	fin		- 2	fn	-				fin			the	-			4	2			+			

# VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY, MADURAL- 625 009

### DEPARTMENT OF MECHANICAL ENGINEERING PREVENTIVE MAINTENANCE LIST (MECHAIRONICS LABORATORY)

Year: 23-24

#### EVEN SEMISTER

# Equipment/Machine Name Basic Pneumatic Trainer Kit Module (VMPT-J01LC)

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			1	an.		1	F	ch.		1		Mar.	1		Λ	pr.	-	1	N	lay.		-	-	ine.	1.04	(Provident)
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No	Description				1.4	1			1	t'	1												L	L.,		
ж	I make workspace and walk-ways are clear and unobstructed and that no slip barards are present		2	1	1	ł	1	Y.	V.	v	V	V	1	4	1	1	V.	1	1	V	V	J	1	V.	V	
2	Verify all guards are secure function correctly (Check latches, locks, fasteners and/or interlocks)	2		12.			1	1	Z.	1	4	V	¥.	1	J.	4	1	J	1	V	1	1	V	1	1	
3	Visual check of mains Electrical Switches, Wiring and or Conduit (Cracks, broken controls etc.)Arrange for immediate repair of any faults.	-	2	4	V	1	1	V	1	V	L		V.	a.	1	V	V.	1	1	4	1	2	J	V	V	
4	Confirm availability and condition of Personal Projective Equipment	×	1	2	1	J	X	1	V.	V	1	V	1	1	1	1	1	1	1	1	1	1	1	×	V.	
5	Performing virus check, updation and back up the required data.	1	12	s.	V	1	V	V	1	4	1	1	1	V	V.	V	V	1	V	1	V	14	V	×	V	
6	Equipment's and electronic devices are clean and dust free	1	12	1	1	V	1	V.	4	4	1	4	1	1	×.	1	di.	1	1	1	V	1	V	1	1	
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	Lab-In charge Sign.		_	ti-	-	-	_	-1-1	the second	L.,		Tim		_	- 7	Th		_		Th	~	_	_	the		-
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1	Conduct close inspection for damage to patch cords, switches, sensors, pneumatic and hydraulic valves and contiectors.		2	6				4			1	là -				1			-	1			1	/		
2	Perform disk checkup clean the monitor keyboard, mouse and printers			6			2	1				1			~					¥			28	1		
1	Lubricate the required devices and equipment's lightly according to manufactures specification		9	1				J				1			0				2	6				1		
4.	Check availability of the accessories needed for the equipment						3	1			5	/			2					6			2			
5.	Check floor space for oil and water contamination			1				1			4	1			1				~	1				1		
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# VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY, MADURAL - 625 009 POEPARTMENT OF MECHANICAL ENGINEERING PREVENTIVE MAINTENANCE LIST (MECHATRONICS LABORATORY)

#### ODD SEMESTER

Year: 23-24

#### Equipment/Machine Name: Basic Electro Pneumatic Trainer Kit (VMPT-302LC)

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No	Description	1	11	111	IV	1	11	111	IV	1	11	111	IV	1	11	111	IV	1	11	111	IV	1	11	111	IV	Remarks
E.	Ensure workspace and walk-ways are clear and unobstructed and that no slip-hazards are present.	V	4	3	V	1	V	1	1	4	X	J	1	1	1	v.	1	V	V	V	V	2	1	1	1	
2.	Verify all guards are secure function correctly (Check latches, locks, fasteners and / or interlocks).	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	J	V	1	ų	1	J	
£	Visual check of mains Electrical Switches, Wiring and /or Conduit (Cracks, broken controls etc.)Arrange for immediate repair of any faults.	1	1	1	1	1	L	1	1	1	1	5	1	1	1	1	1	J	~	V	1	1	Y	1	J	
43	Confirm availability and condition of Personal Protective Equipment	1	1	1	J	1	1	1	1	1	1	1	1	1	$\checkmark$	J	1	1	1	J	J	1	1	1	V	
5.	Performing virus check, updation and back up the required data.	1	4	1	1	1	5	5	1	1	1	~	V	1	V	1	1	1	~	1	V	1	V	V	V.	
6,	Equipment's and electronic devices are clean and dust free	1	1	1	1	1	1	1	4	1	$\checkmark$	$\checkmark$	1	1	$\checkmark$	J	1	1	~	×	V	V	1	4	1	
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	Lab-In charge Sign.			-Iw	~		141	fi	-			the			-	fn			f	the			+	-		
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			J	ul.			A	ug.			5	Sep.			0	ct.			N	ov.			1	)ec.		
1,	Conduct close inspection for damage to patch cords, switches, sensors, pneumatic and hydraulic valves and connectors.		4	/				/			,	$\checkmark$			1	/			1				$\checkmark$	1		
2.	Perform disk checkup clean the monitor keyboard, mouse and printers		Ň	/			ų	1			ŝ	/			~	1			V				Ý			
з.	Lubricate the required devices and equipment's lightly according to manufactures specification		$\checkmark$	0			2	2			3	/			V	1				1			N	1		
4.	Check availability of the accessories needed for the equipment			/			~	1			3	/			Ŷ	2			~	1			Ŷ			
5	Check floor space for oil and water contamination		V	(			1	6				1			V	ž.				1			ł	V,		
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#### VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY, MADURAL – 625 009 DEPARTMENT OF MECHANICAL ENGINEERING

#### EVEN SEMESTER

#### PREVENTIVE MAINTENANCE LIST (MECHATRONICS LABORATORY)

Year: 2 3 - 24

# Equipment/Machine Name: Basic Electro Pneumatic Trainer Kit (VMPT-302LC)

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		1	.1	an.			F	cb.			N	lar.			A	pr.			M	ay.			J	une.		
No	Description	1	ti	111	IV	1	11	111	IV	t	11	111	īΥ	1	11	111	IV	1.	11	Ш	-IV	1	11	10	TV :	Remarks
ĩ,	Ensure workspace and walk-ways are clear and unobstructed and that no slip-hazards are present.	4	4	1	1	1	~	X	1	4	3	J	<i>V</i>	~	1	4	~	1	1	V	4	1	1	1	y.	
2	Verify all guards are secure function correctly (Check latches, locks, fasteners and / or interlocks)	1	1	4	1	1	J	J	V	2	J	J	1	1	J	1	1	1	J	1	1	1	1	1	1	
¥.	Visual check of mains Electrical Switches, Wiring and for Conduit (Cracks, broken controls etc.)Arrange for immediate repair of any faults.		J	5	]	1	3	1	J	J	./	4	1	1	7	4	2	1	1	7	1	1	1	1	1	
4.	Confirm availability and condition of Personal Protective Equipment	-	J.	1	t.	1	V.	1	2	J	1	1	d.	1	4	1	1	2	J.	1	1	1	1	1	1	
52	Performing virus check, updation and back up the required data.	1	4	1	V	4	2	1	V	1	V	2	V	V	~	V	V	0	1	1	$\checkmark$	J	1	V	1	
6	Equipment's and electronic devices are clean and dust free	4	J.	1	1	1	1	1	1	1	4	1	1	1	V	1	1	1	1	1	1	1	1	1	1	
	Lab Technician's Sign			5								4				4				¥			1 3	A-		
	Lab-In charge Sign.		-	fin			ti	in-	24-4		R	5	24		-	fm			-	m	G., - 1		R	m	2	
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			J	an.			F	eb.			I	Mar.	_		A	pr.			M	lay.			J	unc.		
1.	Conduct close inspection for damage to patch cords, switches, sensors, pneumatic and hydraulic valves and connectors.			1				1			~	1			1	-			V	/			1	2		
2.	Perform disk checkup clean the monitor keyboard, mouse and printers			1				/				/			3	/			1				U	/		
3.	Lubricate the required devices and equipment's lightly according to manufactures specification		Q				3	/			3	/			1	(			V	2			1	6		
4.	Check availability of the accessories needed for the equipment			1			J				,	/			1				V	1				/		
5.	Check floor space for oil and water contamination		v	6			1	e.			0	1			0	6			V	/			4	1		
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# VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY, MADURAL-625 009 TEPARTMENT OF MECHANICAL ENGINEERING PREVENTIVE S'AINTENANCE LIST (MECHATRONICS LABORATOR)

#### ODD SEMESTER

Equipment/Machine Name: Basic Electro Pneumatic with PLC (VMPT-303LC)

Year: 23-24

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No	Description	1	11	111	IV	1	11		IV	1	11	111	١V	1	11	III	١V	15	11	48	1V	1	11	111	ĩ۷	Remarks
1.	Ensure workspace and walk-ways are clear and unobstructed and that no slip-hazards are present.	4	1	1	1	~	1	V	1	1	v.	1	V	V	1	1	1	1	1	1	V	1	1	1	1	
2.	Verify all guards are secure function correctly (Check latches, locks, fasteners and / or interlocks)	2	1	4	y.	Y	1	1	~	1	1	1	1	1	V	1	1	~	1	1	V	1	V	1	1	
a.	Visual check of mains Electrical Switches, Wiring and /or Conduit (Cracks, broken controls etc.)Arrange for immediate repair of any faults.	V	1	V	1	1	4	1	1	V	~	2	1	2	1	1	1	1	1	1	1	1	1	1	1	
6	Confirm availability and condition of Personal Protective Equipment	V	~	$\checkmark$	1	V	~	$\checkmark$	V	1	$\checkmark$	1	$\checkmark$	V	~	1	1	V	~	1	4	1	1	4	4	
×.	Performing virus check, updation and back up the required data.	1	~	V	V	1	1	~	×	1	~	~	1	V	V	1	1		~	~	5	K	~	V	1	
i.	Equipment's and electronic devices are clean and dust free	~	1	1	~	1	$\checkmark$	1	1	$\sim$	~	1	V.	~	V	-	4	~		×	-	4	~	š	~	
	Lab Technician's Sign		. 1	K		-		-	-		-	the	-	-	-6		-		-	fine	-			Pa		
	Lab-In charge Sign.			th	×			the	-	1	TLA	each	nell				heck	5		100		-		1.		
						-	4	ug.	_	V.		each ep.	cen	45 10	O				N	ov.			D	cc,		
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	Conduct close inspection for damage to patch cords, switches, sensors, pneumatic and hydraulic valves and connectors.		v				¢.			_	V				V				~		-	-	2		-	
	Perform disk checkup clean the monitor keyboard mouse and printers			<				/			~		-		×	-	-	-	-	7	-	-	~		-	
1	Lubricate the required devices and equipment's lightly according to manufactures specification			~			V				V		-						~	6	-	-	1		-	
	Check availability of the accessories needed for the equipment		3	Ż		-	$\checkmark$				V		_		~	-	-	-	×	1	-	-	1	-		
1	Check floor space for oil and water contamination		6	/			V				~	_	_		Y				~	2		-	K			
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+	Lab-In charge Sign.		f	in			the	-			-	m-	_		th	-			-	-			11	~		

#### EVEN SEMESTER

#### VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY, MADURAL-625 009 DEPARTMENT OF MECHANICAL ENGINEERING

#### PREVENTIVE MAINTENANCE LIST (MECHATRONICS LABORATORY)

Year: 28-24

# Equipment/Machine Name: Basic Electro Pneumatic with PLC (VMPT-303LC)

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	a Al search to them.		_	an.			F	ch.			N	lar			A	pr.		[	M	lay.			J	une.		
NO.	Description	1	11	111	IV	1	11	111	IV	1	11	111	IV	1	-11	111	IV	1	н	111	IV	1	П	111	IV	Remark
Ĩ.	Ensure workspace and walk-ways are clear and unobstructed and that no slip-hazards are present.	Z	Z	1	1	4	1	4	1	1	1	5	1	1	1	1	1	Z	1	1	1	1	1	1	1	
2	Verify all guards are secure function correctly (Check latches, locks, fastenera and or interlocks)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		Ţ	1	1	1	1	1	1	
3	Visual check of mains Electrical Switches, Wiring and /or Conduit (Cracks, broken controls etc.)Arrange for immediate repair of any faults	2	2	1	1	1	1	1	1	4	4	1	1	~	/	1	1	V	1		1	V	1	5	/	
4	Confirm availability and condition of Personal Protective Equipment	1	1	1	1	1	1	1	4	1	1	~	1	1	1	1	1	1	V	~	V	~	4	1	1	
5.	Performing virus check, updation and back up the required data.	~	V	1	V	1	1	1	V	1	1	1	1	~	1	1	1	1	1	1	1	~				
6	Equipment's and electronic devices are clean and dust free	1	X	1	1	1	1	1	1	1	1	1	1	1	1	1	1	~	1	V	V	1.	1	V	×	
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1.	Conduct close inspection for damage to patch cords, switches, sensors, pneumatic and hydraulic valves and connectors.			/				/			J					~				/				~		
Z.	Perform disk checkup clean the monitor keyboard, mouse and printers		-	l				1				/		-		1		-		/	-	-		1		
3.	Lubricate the required devices and equipment's lightly according to manufactures specification			/			2	/			~	1			-1	1			~	/			1	/		
4	Check availability of the accessories needed for the equipment		1	1				1				1				1	_		-	2	-		-	1		
5.	Check floor space for oil and water contamination		-	1				1.				/				/			V	/	-		-	1	-	
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ODD SEMESTER

#### VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY, MADURAL - 625 009 EPARTMENT OF MECHANICAL ENGINEERING

PREVENTIVE MAINTENANCE LIST (MECHATRONICS LABORATORY)

Year: 23-24

## Equipment/Machine Name: DESIGN & TESTING OF FLUID POWER CIRCUIT (VMPT-304-LC)

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		-	J	ul.			A	ug.			-	Sep.			0	ct.	25		N	lov.			1	)ec.		
Na	Description	1.	11	III	IV	1	Ш	111	IV	1	11	111	IV	1	11	111	IV	1	11	111	IV	1	11	111	IV	Remarks
1.	Ensure workspace and walk-ways are clear and unobstructed and that no slip-hazards are present.	~	4	4	1	1	V	4	~	1	1	1	~	V	1	1	1	~	1	1	~	-	1	1	1	
194	Verify all guards are secure function correctly (Check latches, locks, fasteners and / or interlocks).	~	~	~	J	~	1	V	v	V	1	ų.	~	1	~	1	1	1	4	1	1	1	1	1	1	
3.	Visual check of mains Electrical Switches, Wiring and /or Conduit (Cracks, broken controls etc.)Arrange for immediate repair of any faults.	2	V	~	1	1	$\checkmark$	V	V	1	1	2	V	~	1	~	1	4	1	1	~	1	2	~	1	
<b>#</b> 2	Confirm availability and condition of Personal Protective Equipment	1	.1	4	1	1	V	1	1	V	1	~	1	1	V	1	1	1	1	1	1	1	1	1	1	
5.	Performing virus check, updation and back up the required data.	1	N.	4	1	1	1	1	$\checkmark$	1	V	1	V	1	V	1	1	1	1	1	1	V	1	V	1	
65	Equipment's and electronic devices are clean and dust free	V	~	~	~	~	~	$\checkmark$	1	/	~	~	1	1	V	1	V	1	1	1	1	1	1	1	1	
	Lab Technician's Sign		- 10	1			- 1	1			4	1			1	5				×C.			1	*		
	Lab-In charge Sign.	-		the	_			fine			-	fim			th	~			-f	ine			-	fin		
				-						V		each	cell	as m	onth	ly ch	ieck	5					_			
			J	ul.			A	ug.				ep.			0	and the second second			N	ov.		1	D	lec.		
1.)	Conduct close inspection for damage to patch cords, switches, sensors, pneumatic and hydraulic valves and connectors.		V	1				/			1				V	1			$\checkmark$	(			~	λ		
2	Perform disk checkup clean the monitor keyboard, mouse and printers		ý	1			V				J	<			V				1				Ż	-		
з,	Lubricate the required devices and equipment's lightly according to manufactures specification		V	Č.			0	1			V	2			V				$\checkmark$					è.		
4.	Check availability of the accessories needed for the equipment		ţ,	1			Ŷ	t			v.	/			v	1			V	(			Ý			
5.	Check floor space for oil and water contamination		X	/			~	6			V	1			V	2			$\checkmark$				V			
	Sign			5			~				-	<			6				X				3			
	Lab-In charge Sign.		-+	in			ħ	s.			-	lin			f	he			-Fi	n			-f.	~		

EVEN SEMESTER

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#### VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY, MADURAI – 625 009 DEPARTMENT OF MECHANICAL ENGINEERING

# PREVENTIVE MAINTENANCE LIST (MECHATRONICS LABORATORY)

Year: 23-24

# Equipment/Machine Name: DESIGN & TESTING OF FLUID POWER CIRCUIT (VMPT-304-LC)

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No	Decements			an.			-	ch.			N	lar.				pr.				lay.		1	J	une.		
10	Description	1	11	111	IV	1	11	111	IV	1	11	III	IV	1	11	111	IV	1	11	111	IV	1	11	111	IV	Remark
ŧ,	Ensure workspace and walk-ways are clear and unobstructed and that no slip-hazards are present.	1	J	1	1	1	~	5	1	1	1	~	1	1	~	1	1		1	~	~	1	1	1	1	
2.	Verify all guards are secure function correctly (Check latches, locks, fasteners and / or interlocks).	1	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	
3,	Visual check of mains Electrical Switches, Wiring and /or Conduit (Cracks, broken controls etc.)Atrange for immediate repair of any faults	4	1	1	1	~	~	3	~	~	~	~	~	~	5	1	~	~	1	~	1	5	1	1		
4.	Confirm availability and condition of Personal Protective Equipment	1	1	1	~	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	
5.	Performing virus check, updation and back up the required data.	2	2	1	1	~	1	V	1	1	1	1	1	$\checkmark$	~	~	1	~	1	~	1	2	~	~	1	-
6.	Equipment's and electronic devices are clean and dust free	1	1	1	1	1	1	1	1	1	1	1	$\checkmark$	1	1	1	1	~	1	1	1	1	1	1	1	
	Lab Technician's Sign			di.			- 35	ni i			1	0				6			1	6				1	-	
	Lab-In charge Sign.			tin	6			fr	-		1	-Rh			-1	1.00	-	-	-	Fm		-	-	ma	-	
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				Jan.			F	eb.				lar.			AJ			-	M	ay.		3	Ju	ne.		
1.	Conduct close inspection for damage to patch cords, switches, sensors, pneumatic and hydraulic valves and connectors.		2	/				~				/				/			7					/		
2.	Perform disk checkup ,clean the monitor ,keyboard, mouse and printers			$\checkmark$			3	1			4	/			~	(			V				~	1		
3.	Lubricate the required devices and equipment's lightly according to manufactures specification			1			8	1			0	/			~	1			$\checkmark$				1			
4.	Check availability of the accessories needed for the equipment			$\checkmark$				/				/			1			-	~				1	5		
5.	Check floor space for oil and water contamination			1		0	1	6				$\checkmark$			1				~	8			1			
	Sign		- 14	a -			Ū,				Č,	<			K				A			_	~	3		
	Lab-In charge Sign.		+	Pa			t	2			-	i.		R	1	-			fi				fu		1	

ODD SEMESTER

### VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY, MACRAI - 625 009 DEPARTMENT OF MECHANICAL ENGINEERING PREVENTIVE MAINTENANCE LIST (MECHATRONICS LABORATORY) Equipment/Machine Name: BASIC HYDRAULIC TRAINER KIT (VPAT-304LCA)

		-		Jul.		-			_	-		√ Tic	k ca	ch ce	ll as	wee	kly o	hec	ks							
No	Description		and the second	111	IV	-		ug.	1.000	-		icp.	-			ct.				lov.		1	1	)ec.		
1.	Ensure workspace and walk-ways are clear and unobstructed and that no slip-hazards are present	V	V		V	1	11		IV V	1		m 	IV.	1	1		IV	1			IV.	1	11		IV V	Remark
2	Verify all guards are secure function correctly (Check latches, locks, fasteners and / or interlocks)	4	1	1	1	1	V	1	V	1	-	1	1	4	V	1	1		7	V.		v.	2		1	
3.	Visual check of mains Electrical Switches, Wiring and /or Conduit (Cracks, broken controls etc.)Arrange for immediate repair of any faults.	~	1	~	2	2	1	1	1	V	1	1	~	1	1	1	1	1	/	~	1	~	2	~	1	
4.	Confirm availability and condition of Personal Protective Equipment	V	1	1	V	1	1	1	V	V	V	1	1	~	1	1	V	1	1	1	1	1	1	1	V	
5.	Performing virus check, updation and back up the required data.	2	V.	V	1	~	1	1	1	1	~	1	1	1	1	1	V	1	~	V	1	~	V	~		
6.	Equipment's and electronic devices are clean and dust free	1	1	4	~	4	~	V	~	~	$\checkmark$	1	1	1	1	1	1	1	~	1	V	1	1	1	1	
	Lab Technician's Sign			1				<			1	0			- 1	<			3				2			
	Lab-In charge Sign.			fin	-			-fr	-		-	Fr			标	~	1.0		-	tim			-	the		
				1.1	_	2		- 20	_	V	Tick	each	cell	as m	onth	ly cl	heck	5							_	
			J	ul.	_ 11		A	ug.			S	cp.			0	ct.			N	ov.			D	ec.		
1.	Conduct close inspection for damage to patch cords, switches, sensors, pneumatic and hydraulic valves and connectors.		1.0	1			V	0			į.	/			V				J	6			V	ō.		
21	Perform disk checkup clean the monitor keyboard, mouse and printers			$\checkmark$			1					$\checkmark$			$\checkmark$				V	/			1			
ų	Lubricate the required devices and equipment's lightly according to manufactures specification						~				6	1.		ÿ	2				$\checkmark$				Ý	2		
	Check availability of the accessories needed for the equipment		~				V	6			5	/	_	4	<u></u>		_		1	0			1	<u></u>		
	Check floor space for oil and water contamination		V	~ / ~							1	_			V				$\checkmark$				V	<u></u>		
	Sign		÷.	<			D	×			Ç	<		_	2	(	_		ĸ	3		-	~	(°	-	
	Lab-In charge Sign.		+	in			书	e			f.	m		1	fin				-f.	-	_		fin			

#### EVEN SEMIESTER

### VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY, MADURAL- 625 009 DEPARTMENT OF MECHANICAL ENGINEERING PREVENTIVE MAINTENANCE LIST (MECHATRONICS LABORATORY) Equipment/Machine Name: BASIC HYDRAULIC TRAINER KIT (VPAT-304LCA)

Year: 23-24

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No	Description		-	an.	1.5.5	-		cb.		-	_	Mar.				pr.				lay.		1	J	une.	_	
t.	Ensure workspace and walk-ways are clear and unobstructed and that no slip-hazards are present.	V	11	ш 	V				IV /	-		11	IV	1	1	111	IV	1	11	111	IV	1	11	111	IV	Remarks
2	Verify all guards are secure function correctly (Check latches, locks, fasteners and / or interlocks).	/	1	1		1	1		1		1		1	*	1	1	1	V	1	X	1	ľ		N.	1	
3.	Visual check of mains Electrical Switches, Wiring and /or Conduit (Cracks, broken controls etc.)Arrange for immediate repair of any faults.	1	1	5	1	1	5	5	1	1	1	1	1	1	1	1	/	~	1	1	1	4	*	~	1	
4.	Confirm availability and condition of Personal Protective Equipment	1	1	1	1	1	~	1	1	1	1	1	1	5	1	1	V	1	1	~	~	1	1	2	17	
52	Performing virus check, updation and back up the required data.	1	1	1	1	1	J	1	1	1	1	~	1	1	5	1	1	1	V	1	0.0	V	1	V	V	
ń	Equipment's and electronic devices are clean and dust free	1	1	4	1	1	1	1	1	1	J	1	1	1	1	1	1	1	1	~	V	1	1	N.	×	
	Lab Technician's Sign			5				-	-			1				1	-		-	×	-	~	~	ľ.	Y	
_	Lab-In charge Sign.	1	+	m			f	1				fm	-	-	-	4	-	-		N	-			0		
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_	Production of the second secon		J	n.			Fe	eb.	_		M	lar.			A		ie e n		M	ay.			In	ne.	-	
1.	Conduct close inspection for damage to patch cords, switches, sensors, pneumatic and hydraulic valves and connectors.		~				~	/			1	1				1			1					/		
2	Perform disk checkup clean the monitor keyboard, mouse and printers		1	S	-		2	/			~	-			1	1			~		-	-	~	-		
3.	Lubricate the required devices and equipment's lightly according to manufactures specification		1				1	1			~				~	-		1	~				1	1		
1.	Check availability of the accessories needed for the equipment		1				1				V				1	1			1	-			1	0	-	
	Check floor space for oil and water contamination		4					6			V	(			1					/			V		-	
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#### ATLANMAN DELLES OF ENGINEERING & TECHNOLOGY, MADER 425 001 DEPARTMENT OF MICHANIC AL ENGINEERING.

ODD MEMIATER.

PREVENTIVE MAINTENANCE LIST (THERMAL EABORATORY 1)

Year: 28-24

## Equipment/Machine Name: Single cylinder Four Stroke Diesel Logine with Electrical loading

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				ul.		I	A	vg:		1	5	ep.		1	. (	het.		1	- 1	Nuv.	-	-	1	lec.	-	-
SLNo	Description	1	н	ш	IV.	1	п	ш	iv	1	u	111	iv	1	11	111	IV	1	н	m	tV	£	11	Ш	:IV:	Remarks
ĵ.	Ensure workspaces and walk- ways are clear and unobserved and that no alig- hazards are present.	Z.	1			1	x	1	-	y.			8	1	1	1	X	1	X	x	1	1		V.	V	
2	Verify the fubricating oil level, fant level and water level, flattery checking	Z.	-	-	1	_			×	3	2	2	-	ť	1	k	×	1	2	2°	V	1	1	V.	×.	
8	Verify all guards are secure function correctly (Check latches, locks, faitemers and / or interlocks)		-		-		ł.	•	1	1	1	×		×.	4	×	2	2	1	2	1	1	1	s.	V	
4	Visual check of mains Electrical Switches, Wiring and the Conduit (Cracks, beoken controls en (Arrange for unmediate repair of any faults						-	×	×	2		a.	R	ł	-	2		/	1	d.	1	V.	~	V,	1	
	Confirm availability and condition of Personal Protective Equipment	×.	x	×.	2	1		+	1	-	6	1	7	Z.	Y.	1	2	2	1	4	1	1	V.	V	~	
	Lab Technician's Sign		1	-	-		P		1	-	2	<u> </u>	-	_		-	-	_		-				-	_	
	Lab-in charge Sign.		-	1			0	1		4	1.77	ck ca	and to be				in ch			-						
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			Ju	1.	-		Au	<u>E</u> -	-		Se	p	-		U		-	_			-					
	Conduct close impection for all ingines										X				ł		_		X	Č.,			1			
2	inforcate lightly according to naminfactures specification										7				Z.				X				1			
3 3	Treek availability of specific outs for this machine (5panners tc.)										7				<i>i</i>				3				1			
	Treck floor space for oil optimisation						a.				1				1		-		1		_		V			
1	Lab Technician's Sign		10				A	1			A		+		~		-	_	24		-		10		-	
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#### VELA IAL COLLEGE OF ENGINEERING & TECHNOLOGY, MA RAI - 625 009 DEPARTMENT OF MECHANICAL ENGINEERING

#### EVEN SEMIESTER

#### PREVENTIVE MAINTENANCE LIST (THERMAL LABORATORY-I)

# Year: 2 3-24

## Equipment/Machine Name: Single cylinder Four Stroke Diesel Engine with Electrical loading

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-			J	an.			F	eb.			M	lar.				pr.		1		May.				lune.		1
SLNo	Description	1	п	ш	IV	1	u	ш	IV	1	п	ш	IV	ı	п	ш	IV	1	п	111	IV	I.	ш	111	IV	Remarks
1.	Ensure workspaces and walk- ways are clear and unobstructed and that no slip -hazards are present.	1	1	1	1	2	X	2	2	1	1	1	1	/	1	1	×	/	1	/	1	1	1	~	1	
2	Verify the lubricating oil level, fuel level and water level, Battery checking.	2	d.	2	1	1	1	2	Y	2	1	1	1	~	1	1	1	1	1	1	1	1	1	1	2	
3.	Verify all guards are secure function correctly (Check latches, locks, fasteners and / or interlocks).	2	1	1	2	2	1	1	1	1	×	1	1	1	1	~	2	Y	2	1	1	1	1	1	2	
4	Visual check of mains Electrical Switches, Wiring and /or Conduit (Cracks, broken controls etc.)Arrange for immediate repair of any faults.	7	7	,	1	1	1	1	1		1	1	1	Z	2	1	i	1	Z	Z	1	1	1	1	/	
:52	Confirm availability and condition of Personal Protective Equipment	1	1	2	1	1	X	1	1	1	1	1	2	Ż	1	~	1	1	2	1	2	1	1	1	1	
	Lab Technician's Sign		~	0				5			-	2				2		1	Đ	~		-	-	2	-	
_	Lab-in charge Sign.		_														_									
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		-	J	an.			Fe	:b.			M	ar.			A	or.		OBAD	N	lay.			Ju	ne.		
1.	Conduct close inspection for all Engines.		1				)	0			1				2	č			2	/				/		
Z.	Lubricate lightly according to manufactures specification		1				1				1				2	1			1	2			,	1		
3.	Check availability of specific tools for this machine. (Spanners etc.)		1				/				1					/			1				-	/		
4	Check floor space for oil contamination		2				1			1	1				/	1		_	1					2		
	Lab Technician's Sign		6				6				1	1	_	-	4	-	-		2	/			Ă			
	Lab-in charge Sign.														-		-								-	

# VELAMMA COLLEGE OF ENGINEERING & TECHNOLOGY, MADUR DEPARTMENT OF MECHANICAL ENGINEERING PREVENTIVE MAINTENANCE LIST (THERMAL LABORATORY-I)

ODD SEMIESTER

Year: 23-24

Equipment/Machine Name: Single cylinder Four Stroke Diesel Engine with Mechanical loading

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			J	ul.		1	A	ug.				sep.			(	Oct.				Nov.				Dec.		
SLNo	Description	I	п	ш	IV	1	п	m	IV	1	п	ш	IV	1	п	ш	IV	1	н	m	IV	1	11	ш	IV	Remarks
٤.	Ensure workspaces and walk- ways are clear and unobstructed and that no slip -hazards are present.	1	1	z	×	<	1	0	1	1	J	1	/	7	1	1	1	1	1	1	x	1	1	1	-	
2.	Verify the lubricating oil level, fuel level and water level, Battery checking.	¥.	1	1	¥.	1	1	x	×	1	1	4	1	1	2	1	1	ž	1	1	1	Z	2	1	×	
3.	Verify all guards are secure function correctly (Check latches, locks, fasteners and / or interlocks).	x	4	1	-	z	1	×	C	J	1	1	1	×	×	/	1	1	2	/	2	1	z	2	2	
4.	Visual check of mains Electrical Switches, Wiring and /or Conduit (Cracks, broken controls etc.)Arrange for immediate repair of any faults.	×	7		1	1	1	1	×	5	~	1	1	~	1	1	1	1	1	1	2	1	1	2	1	
5.	Confirm availability and condition of Personal Protective Equipment	1	9	2	1	<	č.	2	1	~	1	1	~	Z	×	/	/	1	1	1	1	/	1	1	1	
	Lab Technician's Sign		an a		1		6	ć.,	1	_	0	-	1	_	6		-	_		6		_				
	Lab-in charge Sign.			Q	/		R	/		_	X	2	-		_			1						_	-	
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-			Ju	1.	-	_	Au	g.	-		Se	<b>p.</b>	-		U		-				-					
E.	Conduct close inspection for all Engines		1	8			1	e		_	1	-			1				1	8			1		_	
2.	Lubricate lightly according to manufactures specification		1				1				1				1				1	ė.			1			
3.	Check availability of specific tools for this machine. (Spanners etc.)		1				1				1				7				1	e			1			
	Check floor space for oil contamination		1				1				1				1				1		_		7		_	
-	Lab Technician's Sign		h	_			~	_	-	_	Å	_	-	_	~	-	-	-	4		-		-			
	Lab-in charge Sign.					_		_	_				_	_		-	-	-	-						-	

#### VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY, MADURAL - 625 009 DEPARTMENT OF MECHANICAL ENGINEERING

#### EVEN SEMESTER

#### PREVENTIVE MAINTENANCE LIST (THERMAL LABORATORY-D

Year: 23-24

# Equipment/Machine Name: Single cylinder Four Stroke Diesel Engine with Mechanical loading

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			J	an.			F	cb.			N	lar.				pr.		1		day.			J	inc.		
SLNo	Description	ı	п	ш	w	1	п	ш	IV	ı	п	ш	IV	1	п	ш	IV	1	11	ш	IV	1	н	111	īv	Remark
1.	Ensure workspaces and walk- ways are clear and unobstructed and that no slip -hazards are present.	1	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	7	1	1	1	1	1	Z	1	
2,	Verify the lubricating oil level, fuel level and water level, Battery checking.	x	2	$\mathscr{C}$	1	1	1	<i>x</i>	1	1	1	X	1	1	1	7	1	1	1	1	$\mathcal{I}$	1	2	7	7	
3.	Verify all guards are secure function correctly (Check latches, locks, fasteners and / or interlocks).	z	z	×	1	1	Ŷ	×	1	1	x	/	~	1	1	1	1	1	1	2	1	0	1		Z	
4.	Visual check of mains Electrical Switches, Wiring and /or Conduit (Cracks, broken controls etc.)Arrange for immediate repair of any faults.	Z	×	1	~	1	7	T	1	1	1	r	1	1	1	/	1	X	1	1	1	1	1	2	1	
5,	Confirm availability and condition of Personal Protective Equipment	1	×	1	1	×	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	2	1	1	1	
	Lab Technician's Sign		0	<			1	٢.,	1		٨	6		-					0	9		-				
_	Lab-in charge Sign.		6	1	_		0	~		-	VT.	ick e	ach	cell :	as m	onth	ly ch	ieck	s		_	-				
		-	Ja	n.			Fe	b.			the second se	ar.				or.	-		N	lay.		-	J	une.		-
L	Conduct close inspection for all Engines.		1				/				1					7				6				_		-
2.	Lubricate lightly according to manufactures specification		1	0			1				1				,							-		V		-
	Check availability of specific tools for this machine. (Spanners etc.)		1				1				6				1	,			1	-		-		2		-
1.	Check floor space for oil contamination		1	(5)			1				1	_	_		1	x -		-		1	_	-		4		
	Lab Technician's Sign		ch.		-	_	a	_	-	-	0		-		-		-	1								1
	Lab-in charge Sign.						The	-	_	-	-					_	6	1		-		-				

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12,		PC 24	power button	ASLOW (DOG			Tachini -can	Indepe
			is not working	ASLET LONG Press System was on		m-milliones 1 mmin	alt.	Ŧ
23.	29. 03. 23	PC 23	maniter, déploy not worwigy (booting problem)	rum cleaned working well.		m-mohanas Itoran	net.	đ
2-4	20.04.23	pc 27	problem	chunge the 10 address.		m-mohames Irmrun	NAT	å-
52 ·	15- C3. 24	pc - 01-28	Snstall C. C++			M.GunaSeta		
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