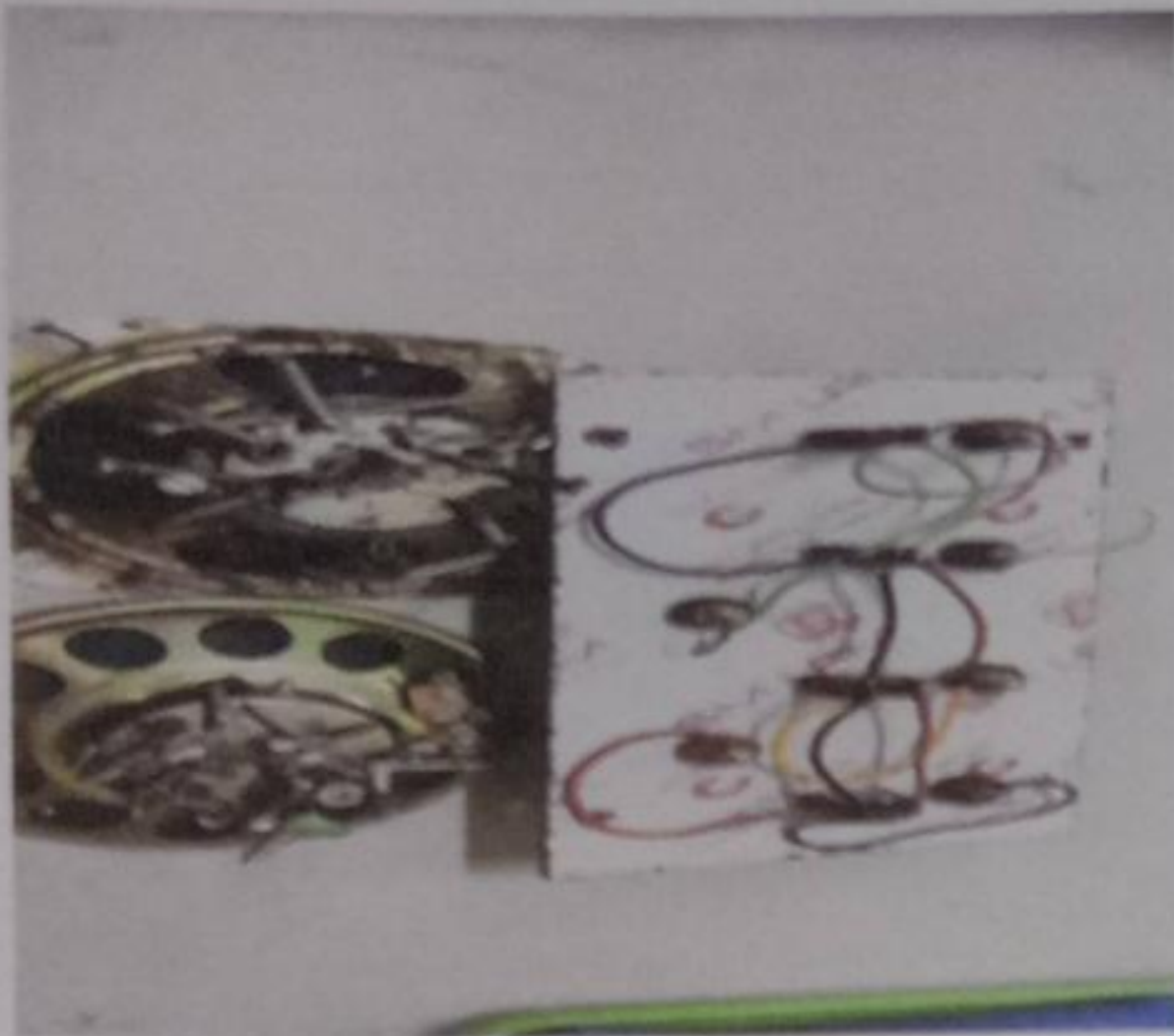


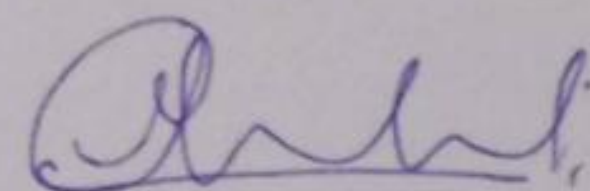
Nanjil Catholic College of Arts & Science, Kaliyakkavilai
E -waste management

Magnets in dead speakers are used for collecting dispersed steel screws.



REPARING:







Ballistic Galvanometer alignments are often tested for proper functioning. Blown out fuse are replaced in electronics instruments like power supply, oscillator and C.R.O. Main chord wires are open circuited or damaged often. They are replaced regularly. Transformers (step down) in power supplies are often burnt out due to short circuit. Hence short circuit protection circuits are added with the power supplies. Resistance in resistance boxes and capacitance in capacitance boxes are frequently burnt out due to flow of excess current.



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Nanjil Catholic College of Arts and Science
Kaliyakkavilai
Department of Physics
Lab Maintenance Register

S.No	Date	Instrument Name	Type of Damage
1.	18/7/2017	Spectrometer	Telescope Replaced
2.	23/8/2017	Resistance box (2 dial)	Knobe Replaced
3	6/2/2018	Audio Frequency Oscillator	Two Pin Wire Replaced















Renewed Date	Renewed Name	Signature	HOD Sign.
20/7/2017	Dr. P. Sekar Ramasubramanian		
25/8/2017	Dr. P. Sekar Ramasubramanian		
8/2/2018	Dr. P. Sekar Ramasubramanian		

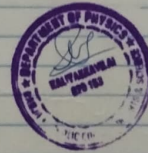
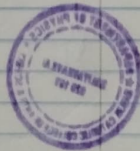


2018 - 2019











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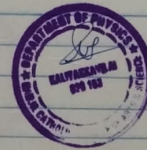
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Sl. No	Date	Instrument Name	Type of Damage	Renewed Date	Renewed Name	Signature	HoB's Sign
1.	20/7/2018	Trainer Board	LED, Switch	23/7/2018	Dr. P. Sekar Ramasubramanian		
2.	30/8/2018	Dc Power Supply (2 display Battery)	IC	8/8/2018	Dr. P. Sekar Ramasubramanian		
3.	18/9/2018	B.G	Suspension wire changed	24/9/2018	Dr. P. Sekar Ramasubramanian		
4.	5/12/2018	Four Probe	Probes are replaced	7/12/2018	Dr. P. Sekar Ramasubramanian		
5.	28/10/2019	PPDT Switch	Internal Connection	30/11/2019	Dr. P. Sekar Ramasubramanian		
6.	11/02/2019	Resistance box (4 dial)	Resistance are replaced	14/2/2019	Dr. P. Sekar		
7.	27/02/2019	Capacitance box	Terminals are Replaced	13/3/2019	Dr. P. Sekar		



2019-2020

Sl. No.	Date	Instrument Name	Type of Damage	Renewed Date	Renewed Name	Signature	HOD Sign.
1.	07/11/2019	Digital Dc Ammeter	2 Pin wire	31/7/2019	Dr. P. Selvar		
2.	14/8/2019	Dual Power supply	Neon lamp	14/8/2019	Dr. P. Selvar		
3.	12/12/2019	Head Phone	Speakers Replaced	12/12/2019	Dr. P. Selvar		
4.	22/10/2020	Trainer Board	IC 7405, IC 7805	23/11/2020	Dr. P. Selvar		
5.	25/02/2020	Battery Eliminator	LM 723	05/2/2020	Dr. P. Selvar		
6.							













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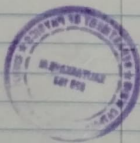
2020-2021

Physics Lab Equipments Maintenance Register

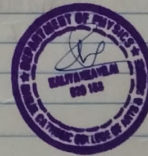
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9

<u>Sr. No</u>	<u>Date</u>	<u>Instrument Name</u>	<u>Type of Damage</u>	<u>Renewed Date</u>	<u>Renewed Name</u>	<u>Signature</u>	<u>HOD Sign</u>
1.	22/1/2021	Function Generator	Main chord	22/1/21	Dr. P. Selvar		
2.	13/2/2021	Crown Meter	Probe wires,	15/2/21	Dr. P. Selvar		
3.	6/3/2021	Digital DC Ammeter	Resistance 1Ω	6/3/2021	Dr. P. Selvar		
4.	8/3/2021	Multimeter	Battery, Internal knob	8/3/2021	Dr. P. Selvar		
5.	8/3/2021	Torch Light	Cell, LED bulb	8/3/2021	Dr. P. Selvar		
6.							



Sl. No	Date	Instrument Name	Type of Damage	Renewal Date	Renewal Name	Signature	HOD Sign
1.	29/9/2021	Constant Current Power Supply	IC 3805	4/10/2021	Dr. P. Sekar	SP	SP
2.	12/10/2021	Cross Meter	IC 741	15/10/2021	Dr. P. Sekar	SP	SP
3.	26/11/2021	Trainer Board	Power Supply diodes are Replaced	26/11/2021	Dr. P. Sekar	SP	SP
4.	27/11/2021	Battery Eliminator	Transformer wires are reconnected	29/11/2021	Dr. P. Sekar	SP	SP
5.	27/11/2021	Daniel Cell	Fuses Replaced.	29/11/2021	Dr. P. Sekar	SP	SP
6.	16/12/2021	Constant current Power supply	IC 7805, BP139 Replaced.	24/02/2022	Mr. Sahaya Raj	SP	SP



Sl. No	Date	Instrument Name	Type of Damage	Renewed Date	Renewed Name	Signature	HOD Sign
1	28/1/2022	Dc Ammeter	Internal Resistance Change	24/1/2022	Dr. P. Sekar Ramasubramanian	SS	Abhi
2	22/1/2022	Galvanometer	Pointer Adjustments are Corrected	24/1/2022	Dr. P. Sekar Ramasubramanian	SS	Abhi
3	28/1/2022	Capacitance box	Knob Replaced	28/1/2022	Dr. P. Sekar Ramasubramanian	SS	Abhi
4	3/2/2022	Digital Dc Ammeter	burnt out resistance Replaced in different ranges.	3/2/2022	Dr. P. Sekar Ramasubramanian	SS	Abhi
5	10/2/2022	Daniel Cell	Power Chord Changed Replaced	11/2/2022	Dr. P. Sekar Ramasubramanian	SS	Abhi
6	16/2/2022	Battery Eliminator	switch Replaced	18/2/2022	Dr. P. Sekar Ramasubramanian	SS	Abhi
7	31/2/2022	Electronic Balance	Rechargeable Battery Changed.	23/2/2022	Dr. P. Sekar Ramasubramanian	SS	Abhi
8	22/2/2022	1-9 Resistance box	burnt out Resistance is Replaced	22/2/2022	Dr. P. Sekar Ramasubramanian	SS	Abhi
9	23/2/2022	Magnetic Stirrer - 1	defect is found out and Rectified.	24/2/2022	Dr. P. Sekar Ramasubramanian	SS	Abhi
10	24/2/2022	Four Dial Resistance box	1K Selector switch is replaced.	24/2/2022	Dr. P. Sekar Ramasubramanian	SS	Abhi
11	24/2/2022	Battery Eliminator	variable Selector switch Changed.	24/2/22	Dr. P. Sekar Ramasubramanian	SS	Abhi
12	10/3/2022	Trainer Board	Power Chord Replaced.	01/3/22	Dr. Sekar Ramasubramanian	SS	Abhi
13	15/2/2022	Dc Regulated Power Supply (0-30V) (a display)	IC7805, IC 7912 Replaced.	24/2/2022	Mr. Sahaya Raj	SA	Abhi
14	25/03/2022	Dual power Supply	Red Neon lamp Changed	25/3/2022	Dr. Sekar Ramasubramanian	SS	Abhi



Sl. No	Date	Instrument Name	Type of Damage
15	05/3/2022	Multimeter (3)	Drained Battery Replaced in 3 multimeter.
16.	29/3/2022	Daniel Cell	Power chord Replaced
17	29/3/2022	Resistance box 4 Dial.	Disconnected Connection is restored.
18	29/3/2022	Capacitance box 2 dia	0.1 MF Capacitance replaced



Renewed Date	Renewed Name	Signature	HoD Sign.
25/3/2022	Dr. P. Sekar Ramasubramanian	PS	PS
29/3/2022	Dr. P. Sekar Ramasubramanian	PS	PS
29/3/2022	Dr. P. Sekar Ramasubramanian	PS	PS
29/3/2022	Dr. P. Sekar Ramasubramanian	PS	PS