LIST OF PHYSICS PROJECTS

S.NO.	TOPICS
	Comparison of light outputs of different sources
1	
	Eddy Current
2	
	To measure resistance and impedance of an inductor with or without iron core
3	
	Resistance of Pencil Leads
4	
	Diffraction pattern to measure pitch of DVD/CD
5	
	Effect of temperature on magnetic strength
6	
	Simple harmonic motion of a spring-determining the effect of mass on the period of spring's
7	movement.
	To find the refractive index of (a) water (b) oil using a plane mirror, an equi-convex lens, and an
8	adjustable object needle
	Variation in Emergent ray (angle) using coloured glass slab.
9	
	To study variation of current in a circuit containing a light dependent resistor7
10	
	To study of factors affecting rate of cooling- Newton's law of cooling
11	
	FACTORS ON WHICH INTERNAL RESISTANCE OR EMF OF A CELL DEPENDS
12	
	Across the universe: to calculate the constant velocity at which a person in a spaceship would
13	have to travel to get from Earth to the edge of the portion of universe visible from earth which is about 13.7 billion light years.
13	about 10.1 billion light yours.
14	Relay and Electromagnetism- Burglar alarm ,alternate switching and oscillator
	water level indicator alarm
15	
	Effect of surface tension on a liquid: To show that soap solution reduces the surface tension of a
16	liquid
	To determine the Faraday law of electromagnetic induction by using a copper wire round over an
17	iron rod and strong magnet
	To estimate the charge induced on two identicle styro foam balls suspended in a verticle plane
18	using coulomb's law

	The working of an EMP(electro magnetic pulse) device.
19	
	To construct a full wave bridge rectifier and show that AC is rectified into DC
20	
21	To study deterioration of water using different fruit peels
22	Factors affecting SELF INDUCTANCE OF A COIL
23	effect of pressure on ball bounce height
2.4	
24	To investigate the relation between the ratio of input and output voltage of transformer.
25	classification of magnetic materials
26	Find refractive index of different materials using hollow glass prism
27	Logic gates
28	Variation of R with length and area of cross sector using metre bridge
29	factors on which EMF of a cell depends
30	charging and discharging of capacitor in R-C circuits
31	Transformer.
32	Logic Gates
33	Social Distancing device using electronic concern and transisters
33	Social Distancing device using electronic sensors and transistors. Diffraction pattern and find out the width of central maxima
34	
	find refractive index of water and oil using plane mirror, equiconvex lens
35	to determine the faraday's law of electromagnetic induction using copper wire wound over an iron rod and
36	a strong magnet
	To show that soap solution reduces the surface tension of a liquid
37	Magazirament of mutual industance of 2 ccite
20	Measurement of mutual inductance of 2 coils
38	

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