

Sri G.V.G Visalakshi College for Women (Autonomous), Udumalpet.
Affiliated to Bharathiar University
Accredited at *A*⁺ Grade by NAAC (Fourth Cycle)
An ISO 9001:2015 Certified Institution
Udumalpet, Tamilnadu.

DEPARTMENT OF PHYSICS

Webinar organized during 2019-2020

2019-2020			
Date	Topic	Details of Resource Person	No. of Beneficiaries
29.05.2020	Figment of Imagination in Physics Via Simulations	Dr. Raju Panthagani Associate Professor of Physics Geethanjali College of Engineering and Technology (GCET), Cheeryal Keesara Hyderabad.	250 students from B.Sc & M.Sc Physics, Sri GVG Visalakshi College and from various institutions.
30.05.2020		Dr.J.Shankar Professor of Physics Geethanjali College of Engineering and Technology (GCET), Cheeryal Keesara Hyderabad.	250 students from B.Sc & M.Sc Physics, Sri GVG Visalakshi College and from various institutions.

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Udumalpet -642 128, Tamilnadu



Department of Physics
Organizes

Figment of Imagination in Physics Via Simulations



DR. RAJU PANTHAGANI
Associate Professor of Physics
Geethanjali College of
Engineering and Technology
(GCET), Cheeryal
Keesara 501301, Hyderabad

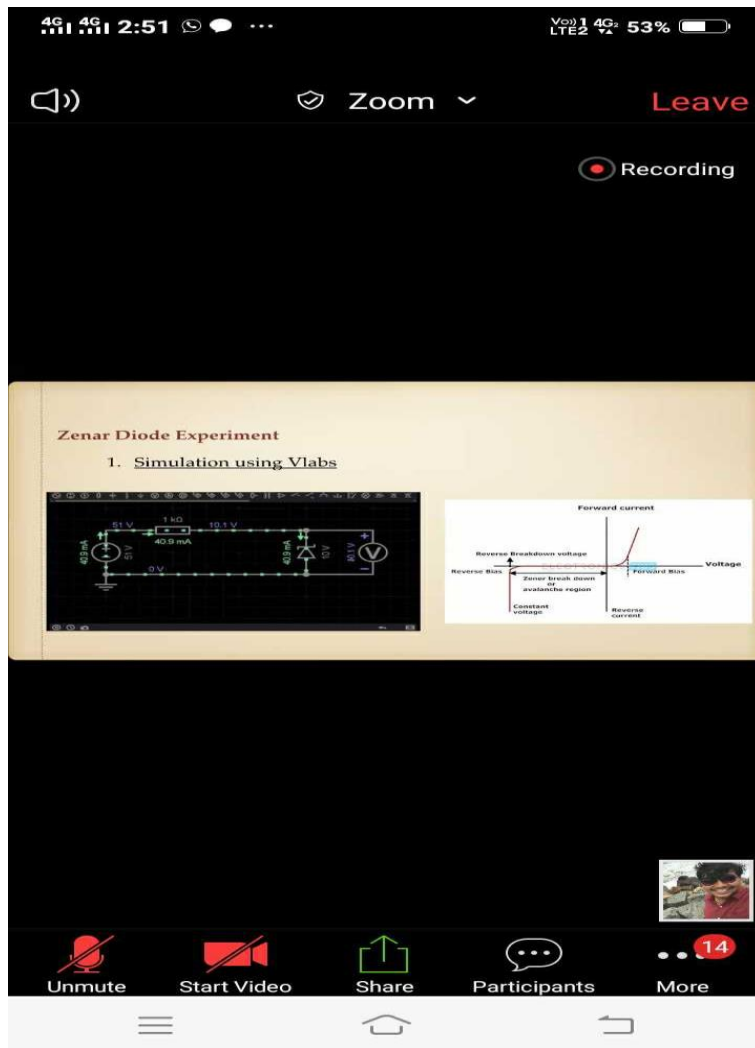
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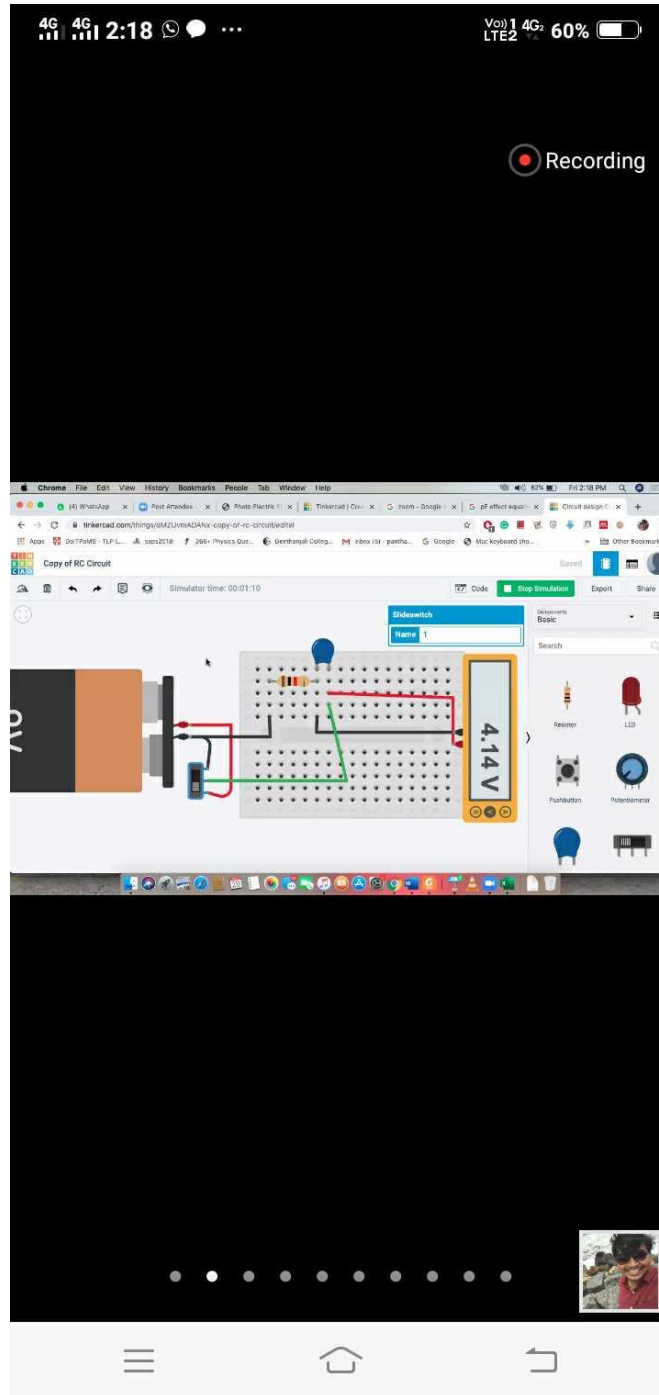
DR J. SHANKAR
Professor of Physics
Geethanjali College of
Engineering and Technology
(GCET), Cheeryal
Keesara 501301, Hyderabad

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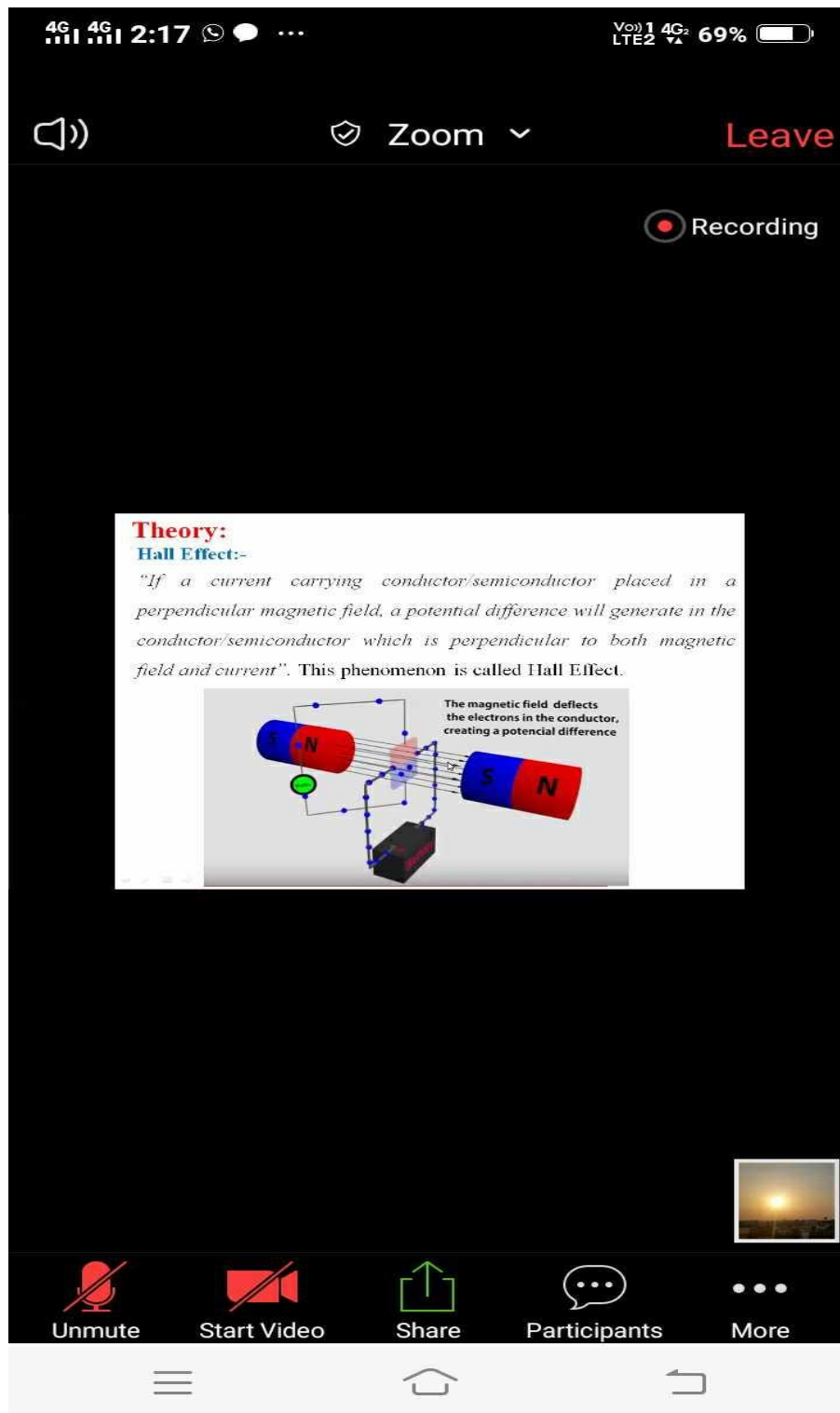
Registration Link: https://docs.google.com/forms/d/e/1FAIpQLSecFisioN6yxsPr9ZYHOIS6vSyGkOEZ_93S2W5aHKLwdiP9yg/viewform?vc=0&c=0&w=1



Invited talk by Dr. Raja Panthagani
on 29.05.2020



**Invited talk by Dr. Raja Panthagani
on 29.05.2020**



Invited talk by Dr. Shankar
on 30.05.2020

S.No.	Screw Gauge Reading		X in mm	I in $10^4 \mu A$
	H.S.R	P.S.R		
1	2	10	-6.45	0.002
2	2.5	10	-6.1	0.002
3	3	16	-5.45	0.08
4	3.5	19	-4.95	1.05
5	4	23	-4.4	1.32
6	4.5	26	-3.9	10.2
7	5	28	-3.5	441.58
8	5.5	31	-3	2190.3
9	6	34	-2.5	8492.2
10	6.5	38	-2	25734.9
11	7	40	-1.45	65552.7
12	7.5	44	-0.95	118411.1
13	8	47	-0.45	167183.6
14	8.5	0	-0.05	184498.9
15	9	3	0.45	167183.6
16	9.5	6	0.95	118411.1
17	10	9	1.45	65552.7
18	10.5	13	2	25734.9
19	11	16	2.5	8492.2
20	11.5	19	3	2190.3
21	12	22	3.5	441.58
22	12.5	22	3.9	10.2
23	13	28	4.4	1.32
24	13.5	31	4.95	1.05
25	14	34	5.45	0.08
26	14.5	38	6.1	0.002
27	15	45	6.45	0

Variation of intensity of light with distance

$I_0 = 184498.9$
 $I(2.7) = 68080.77$

from graph

$2r = 2.9 \text{ mm}$
 $r = 1.45 \text{ mm} = 0.0015 \text{ m}$

$d = 4 \text{ mm} = 0.004 \text{ m}$

Numerical Aperture of the optic fiber = $\sin \theta = 0.340799$

**Invited talk by Dr. Shankar
on 30.05.2020**