THE SIGNAL 2022

FREQUENCY 09
NEWSLETTER

Department of Physics & Electronics

THE NOBEL PRIZE IN PHYSICS 2021 WAS AWARDED "FOR GROUNDBREAKING CONTRIBUTIONS TO OUR UNDERSTANDING OF COMPLEX SYSTEMS" WITH ONE HALF JOINTLY TO SYUKURO MANABE AND KLAUS HASSELMANN "FOR THE PHYSICAL MODELLING OF EARTH'S CLIMATE, QUANTIFYING VARIABILITY AND RELIABLY PREDICTING GLOBAL WARMING" AND THE OTHER HALF TO GIORGIO PARISI "FOR THE DISCOVERY OF THE INTERPLAY OF DISORDER AND FLUCTUATIONS IN PHYSICAL SYSTEMS FROM ATOMIC TO PLANETARY SCALES."

Editorial Board (Faculty)

Dr.D.Sarala
Ms. W.Jaya Selva Vinitha
Ms.V.Sai Prashanthi
Dr.Y.Seeeta Mahalakshmi

STUDENTS

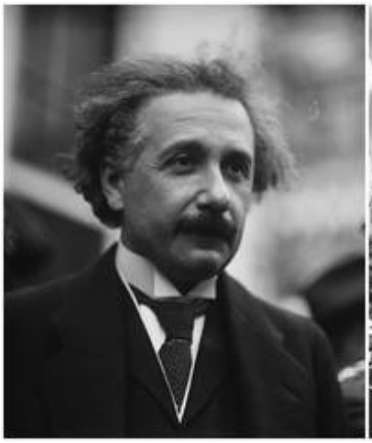
MS.NITYA - III MECS
MS.SREYA - III MECS
MS.AKANKSHA - III MECS
MS.KUSHI LAMA - II MPCS

Important Events

- National Webinar - August 23-25th 2021
- National Energy conservation day - 14th December,2021.
- National Science day 25th February,2022.

Einsteinium: 100 years after Einstein's Nobel Prize

How understanding light has led to a hundred years of bright ideas .The revolutionary theory of the nature of light which won Albert Einstein the 1921 Nobel prize for physics went on to remake the world. Albert Einstein finished a scientific paper that would change the world. His radical insight into the nature of light would help transform Einstein from an unknown patent clerk to the genius at the center of 20th-century physics.



PLAY

Identify these words which are located in horizontal/vertical/diagonal

General Physics

R	D	S	Y	T	I	S	O	C	S	I	V	R	O
L	A	P	D	I	R	Y	T	L	O	U	A	R	N
F	C	I	U	D	O	N	F	E	N	D	O	P	O
E	N	N	A	A	I	R	C	I	I	T	H	A	I
R	O	T	L	S	R	A	V	A	A	Y	T	M	T
E	I	E	I	A	P	E	T	L	N	H	G	P	C
L	T	G	T	S	R	I	L	O	O	O	N	L	A
A	A	R	Y	S	O	I	R	M	N	N	E	I	R
T	L	A	E	N	C	T	P	O	R	I	L	F	F
I	U	T	D	S	U	S	R	P	P	U	E	I	F
V	D	O	O	E	O	L	C	G	S	D	V	E	I
I	O	R	N	N	S	T	D	F	U	R	A	R	D
T	M	I	S	H	A	N	N	O	N	A	W	U	N
Y	H	P	F	A	R	A	D	A	Y	S	L	A	W

DIFFRACTION
WAVELENGTH
OSCILLATOR
FARADAYSLAW
MODULATION
SPIN
RELATIVITY
DUALITY
RADIATION
NEUTRON
VISCOSITY
ARDUINO
AMPLIFIER
INTEGRATOR
SPACE
SHANNON
UNIVERSE
THOMPSON

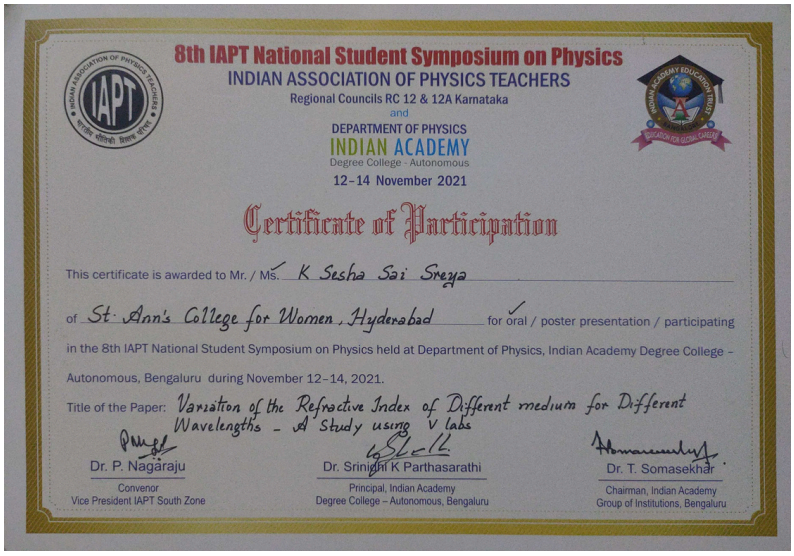
PUBLICATIONS BY STUDENTS

8th IAPT National Student Symposium on Physics
INDIAN ASSOCIATION OF PHYSICS TEACHERS
Regional Councils RC 12 & 12A Karnataka
and
DEPARTMENT OF PHYSICS
INDIAN ACADEMY
Degree College - Autonomous
12-14 November 2021

Certificate of Participation

This certificate is awarded to Mr. / Ms. Gurrampalli Akanksha
of St. Ann's College for Women, Telangana for oral / poster presentation / participating
in the 8th IAPT National Student Symposium on Physics held at Department of Physics, Indian Academy Degree College - Autonomous, Bengaluru during November 12-14, 2021.
Title of the Paper: Comparative Analysis of Static & Dynamic Resistance of Silicon and Germanium Diodes - A Simulation Study

Dr. P. Nagaraju, Convenor, Vice President IAPT South Zone
Dr. Srinidhi K Parthasarathi, Principal, Indian Academy Degree College – Autonomous, Bengaluru
Dr. T. Somasekhar, Chairman, Indian Academy Group of Institutions, Bengaluru



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INDIAN ACADEMY
Degree College - Autonomous
12-14 November 2021

Certificate of Participation

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of St. Ann's College for Women, Hyderabad for oral / poster presentation / participating
in the 8th IAPT National Student Symposium on Physics held at Department of Physics, Indian Academy Degree College - Autonomous, Bengaluru during November 12-14, 2021.
Title of the Paper: Variation of the Refractive Index of Different medium for Different Wavelengths - A Study using V labs

Dr. P. Nagaraju, Convenor, Vice President IAPT South Zone
Dr. Srinidhi K Parthasarathi, Principal, Indian Academy Degree College – Autonomous, Bengaluru
Dr. T. Somasekhar, Chairman, Indian Academy Group of Institutions, Bengaluru

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DEPARTMENT OF PHYSICS
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12-14 November 2021

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This certificate is awarded to Mr. / Ms. Nitya Vaishnavi Vedula
of St. Ann's College for Women, Hyderabad for oral / poster presentation / participating
in the 8th IAPT National Student Symposium on Physics held at Department of Physics, Indian Academy Degree College - Autonomous, Bengaluru during November 12-14, 2021.
Title of the Paper: Variation of the Refractive index of Different Medium for Different Wavelength - A Study using V labs

Dr. P. Nagaraju, Convenor, Vice President IAPT South Zone
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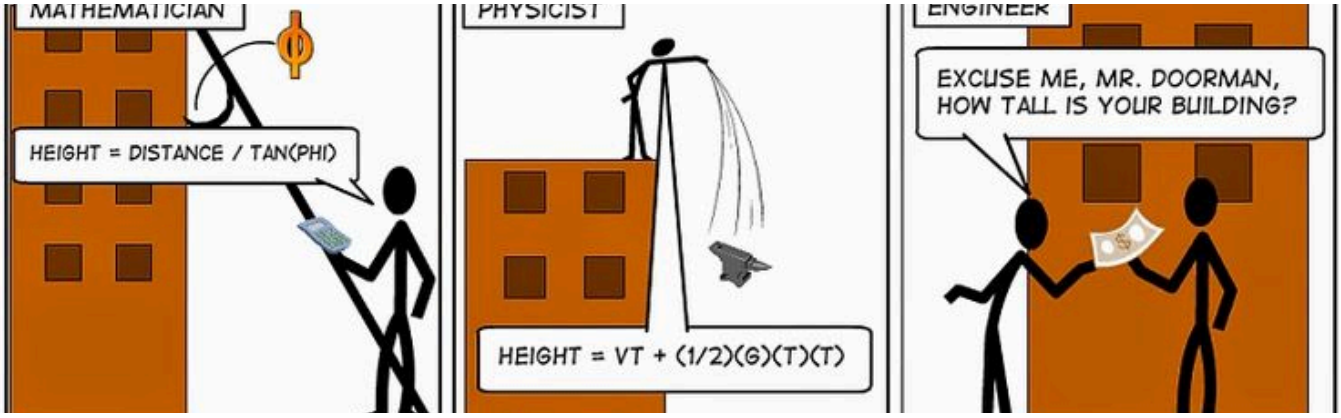
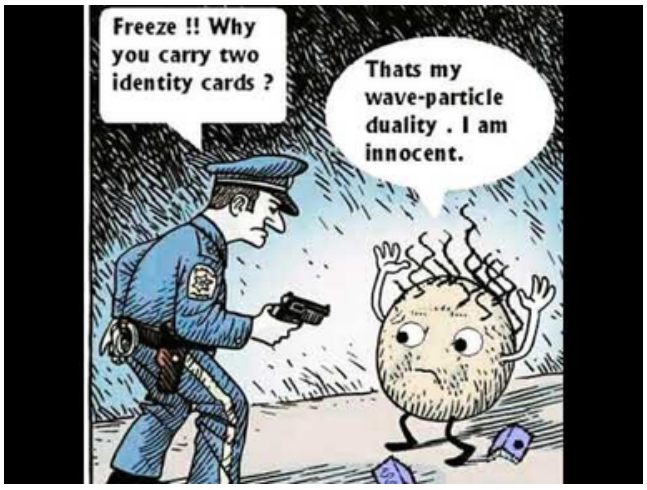
Dr. T. Somasekhar, Chairman, Indian Academy Group of Institutions, Bengaluru

jokes corner





After explaining to a student through various lessons and examples that:

$$\lim_{x \to 8} \frac{1}{x-8} = \infty$$

I tried to check if she really understood that, so I gave her a different example. This was the result:

$$\lim_{x \to 5} \frac{1}{x-5} = 5$$