‘CURRENT’ AFFAIRS 2024-2025

Department of Physics & Electronics

Project Presentations for NAAC Visit 2024 - 5th and 6th August 2024

Why can’t you take electricity to social outings?

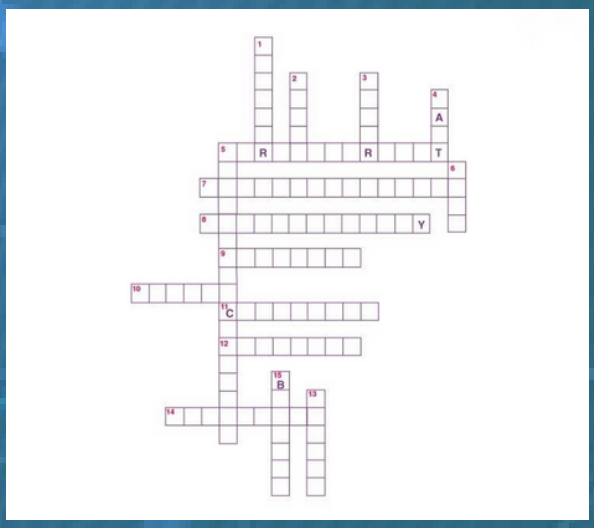
A: Because it doesn’t know how to conduct itself

“A MAN WAS RECENTLY COOLED TO ABSOLUTE ZERO - BUT HE'S OKAY NOW”

“THE LARGEST STAR IN THE UNIVERSE IS 1,700X BIGGER THAN OUR SUN”

In the vast night sky, where countless stars vie for attention, one colossus reigns supreme as the largest star in the universe. Situated thousands of light-years from Earth, this celestial giant's sheer magnitude challenges our understanding of stellar physics. As a hypergiant star, UY Scuti's immense size is almost incomprehensible, with a radius about 1,700 times larger than that of our Sun. This means if UY Scuti were placed at the center of our solar system, it would engulf the orbits of Mercury, Venus, Earth, Mars and potentially even Jupiter, illustrating the colossal scale of this celestial behemoth.

ELECTRICITY CROSSWORD

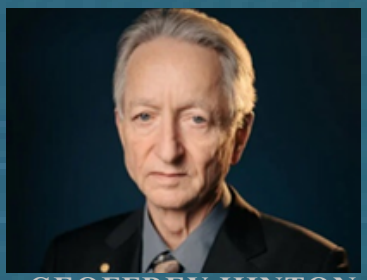


ACROSS	DOWN
5. A type of circuit where the current that flows through all the devices is the same (13)	1. The device that measures current in a circuit (7)
7. A circuit that allows two or more paths for the current to flow through (15)	2. The unit that measures energy (5)
8. A type of energy possessed by the body due to its motion (13)	4. Unit of Power (4)
9. Elementary particle with a negative charge (8)	5. Imbalance between negative and positive charges (17)
10. Unit of Electric Current (6)	6. Smallest unit of matter (4)
11. Material that allows electric current to pass through it (9)	13. An elementary particle that is identical to the nucleus of the hydrogen atom (6)
12. Electrical device that resists the flow of current in a circuit (8)	3. A device that converts electrical energy to mechanical energy (5)
14. Device used to measure voltage (9)	15. Device that converts chemical energy to electric energy

THE NOBEL PRIZE WINNERS OF 2024 IN PHYSICS

JOHN J. HOPFIELD

For foundational discoveries and inventions that enable machine learning with artificial neural networks

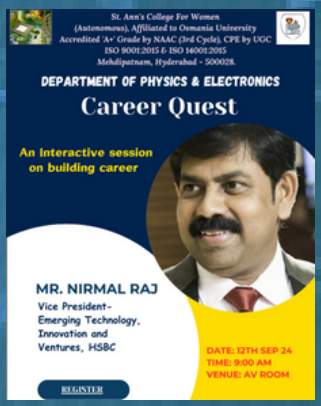


GEOFFREY HINTON

For foundational discoveries and inventions that enable machine learning with artificial neural networks

WHAT A PHYSICIST HEARS WHEN HE WATCHES "STAR WARS": "MAY THE MASS TIMES ACCELERATION BE WITH YOU

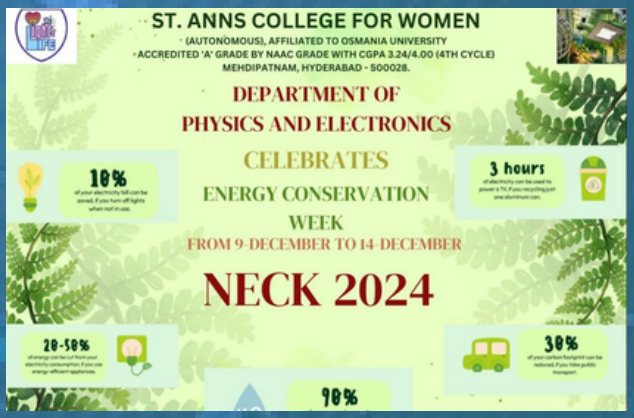
Career Quest
Mr. Nirmal Raj-Vice President, HSBC
-12th September, 2024



Q: Two cats of the same size slide down a roof at the same time, but one falls off first. Which one?

A: The one with the smaller "mew."

National Energy Conservation Week -9th to 14th Dec



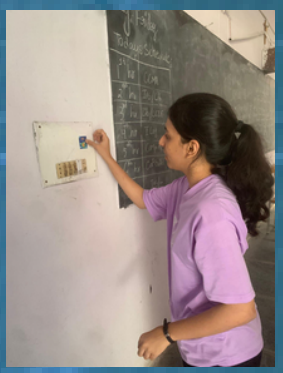
DAY 1
AWARENESS IN SCHOOLS 09/12/2024

DAY 2
AWARENESS AT TRAFFIC SIGNAL 10/12/2024

DAY 3
AWARENESS SKIT 11/12/2024

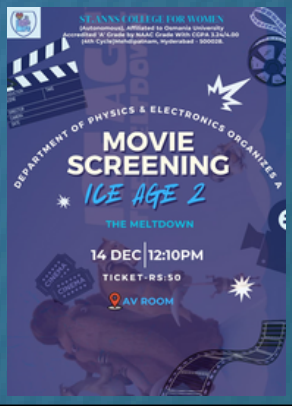
DAY 4
E POSTER COMPETITION 12/12/2024

DAY 5
AWARENESS AT ST.ANN'S 13/12/2024



MOU WITH ST. PIOUS X DEGREE COLLEGE FOR WOMEN

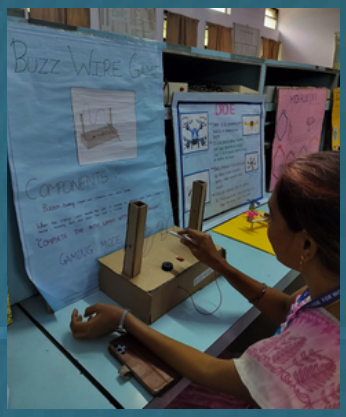
DAY 6
MOVIE SCREENING (ICE AGE 2) 14/12/2024



"THERE'S A NEW THEORY OF INERTIA, BUT IT DOESN'T SEEM TO BE GAINING MOMENTUM."

Annetarium Show -30 November, 2024

Science Exhibition 8-10 August, 2024



A neutron walks into a bar and asks, "How much for a whiskey?" The bartender smiles and says, "For you, no charge."

"GENERATE ELECTRICITY BY ATTACHING DEVICE TO YOUR CLOTHES"

DGIST (President Kunwoo Lee) announced that a team led by Prof. Jang Kyung-In from the Department of Robotics and Mechatronics Engineering has developed a three-dimensional stretchable piezoelectric energy harvester that can harvest electrical energy using body movements. The device is to be used as a wearable energy harvester as it can be attached to the skin or clothes. The device developed by Prof. Jang's team is based on the piezoelectric effect, which produces electricity from physical activities such as elastic skin or joint movements.

Faculty Workshop at TIFR - 20 September, 2024

Q: Why does a burger have less energy than a steak?

A: Because it's in its ground state.