DEPARMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

THE EXHIBITION DAY IN SRIDEVI COLLEGE

TITLE- SCIENCE EXHIBITION.

DATE-19/01/2024

TIME- 2:00-5:00

PICTURES-

The Shridevi Science Exhibition showcased a diverse range of innovative projects and Scientific discoveries. The event aimed to promote curiosity,exploration, and a deeper understanding of various scientific concepts.

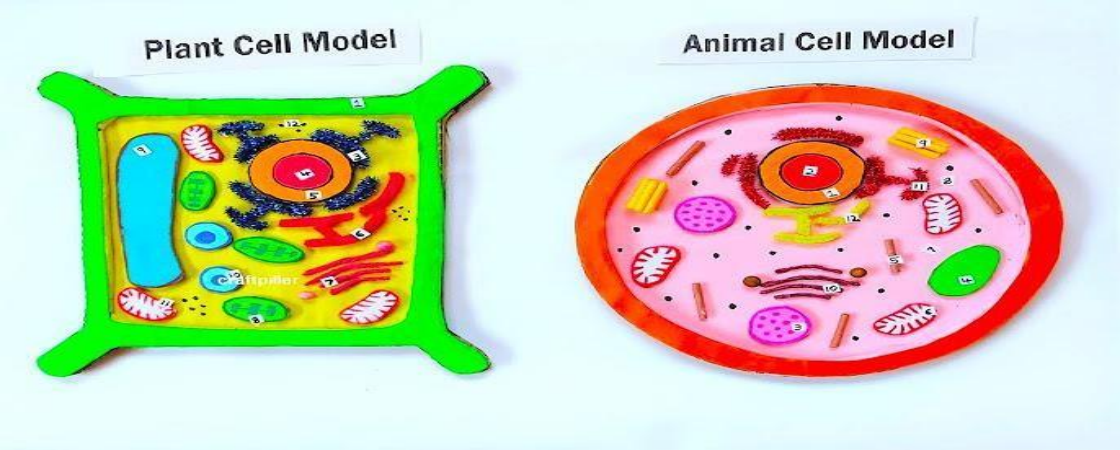
A walk surrounded by science with knowledgeableprojects that makes you curious to learn. Many models were presented with different devices used in daily life of medical technology.

In Science exhibition, students encounter various concepts across different scientific disciplines. These may include:

1. **Physics:** Demonstrations on energy transfer, motion, or principles of electricity.
2. **Chemistry:** Exhibits showcasing chemical reactions, properties of elements, or applications of various compounds.
3. **Biology:** Displays on ecosystems, anatomy, genetics, or environmental science.
4. **Technology:** Innovations in robotics, AI, or advancements in tech fields.
5. **Environmental Science:** Awareness on sustainability, climate change, and conservation efforts.
6. **Astronomy:** Insights into celestial bodies, space exploration, or astronomical phenomena.
7. **Engineering:** Projects illustrating engineering principles, innovations, and their real-world applications.
8. **Health Sciences:** Exhibits focusing on medical advancements, health-related studies, or disease prevention.

The Various Models Displayed :

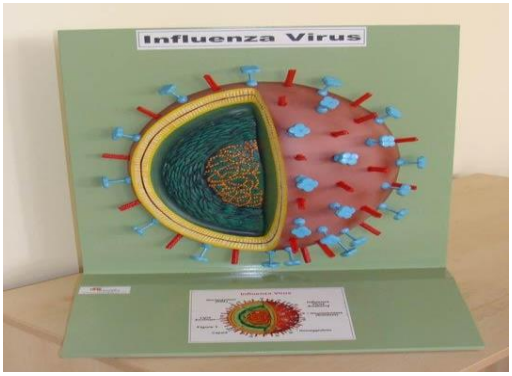
1. Plant and Animal Cell Model.



The Plant cells have a cell wall, as well a cell, membrane. In plants, the cell wall surrounds the cell membrane. This gives the plant cell its unique rectangular shape. Animal cells simply have a cell membrane, but no cell wall.

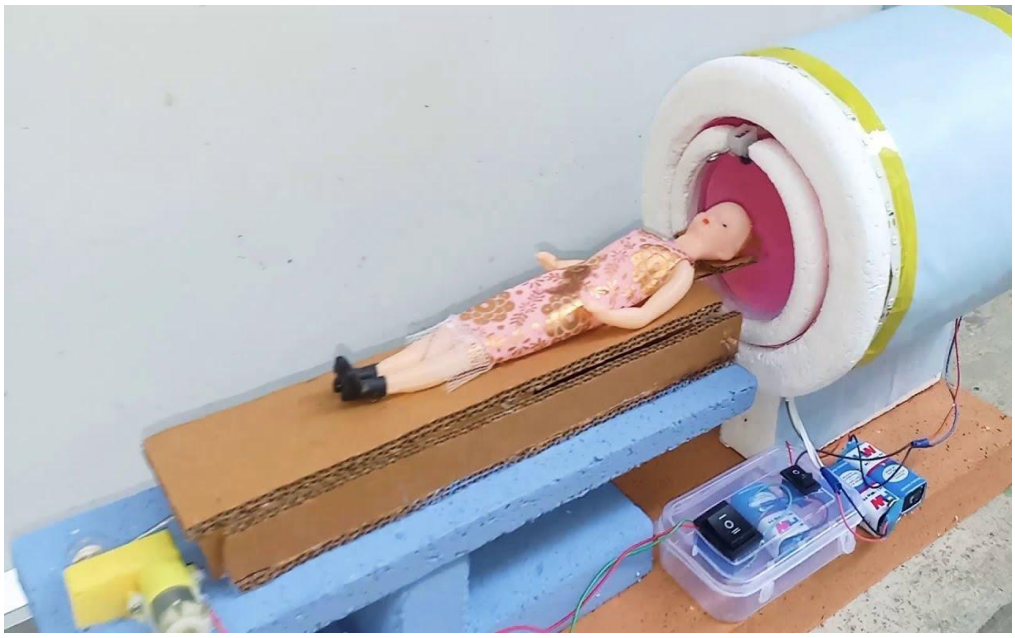
The use of contrasting colors (green for plant and pink for animal) further helps to distinguish between the two cell types.

2. INFLUENZA VIRUS.



The influenza virus is a contagious respiratory virus that can cause seasonal flu outbreaks. It mutates frequently, leading to different strains. Vaccination is a key preventive measure, and symptoms includefever, cough, and body aches.

3. MRI- SCANNING(Magnetic Resonance Imaging)



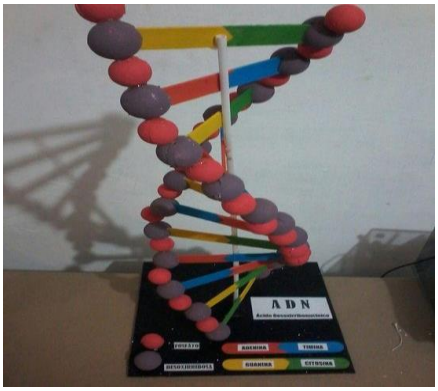
MRI scanning, a medical marvel, uses powerful magnets and radio waves to peek inside the body without surgery or radiation. Imagine a giant donut-shaped magnet, its strong field aligning the body's atoms like tiny compasses. Radio waves then nudge these atoms, causing them to emit signals. A computer captures these signals, weaving them into detailed images of organs, bones, and even blood vessels.

From brain scans to knee examinations, MRI technology provides invaluable insights for doctors, helping diagnose diseases, track treatment progress, and guide surgeries. So, next time you see that imposing MRI machine, remember it's a powerful tool revealing theunseen wonders within.

4. DNA MODEL

A DNA model typically represents the structure of DNA, a double helix composed of nucleotides. It consists of sugar-phosphate backbones and nitrogenous bases (adenine, thymine, cytosine, guanine).

Models may be physical be physical, like molecular kits, or virtual, aiding in the understandingof DNA's molecular arrangement.



5. **Hospital Area Compartment.**

Model of hospital compartments, they have different areas or sectionswithin a hospital, each serving specific functions. Common compartments include emergency departments, operating rooms, intensive care units, and various specialized wards for different medical disciplines. Proper organization ensures efficient healthcare delivery.