CAT III Revision

LANDMARK ACHIEVEMENTS AND INNOVATIONS OF OUR 21ST CENTURY

Medicine Industry

Capsule Endoscopy:

Non-invasive monitoring system that requires the patient to swallow a small pill-size camera that will go through their digestive system.

The camera can identify any internal bleeding, cancer or ulcers.

Artificial Heart Transplants:

An artificial heart is a device used to replace the lower chamber of the heart and helps circulate blood in the body for patients with advanced heart failure.

Covid-19 Vaccine:

Covid-19 is a corona virus disease that has led in the dramatic loss of human life worldwide, from the years 2020. A vaccine however was created that provides immunity from this deadly virus.

Automobile Industry

Self-driving cars:

Capable of sensing its environment and operating without human involvement. An autonomous car can go anywhere a traditional car goes and do everything that an experienced human driver does.

Electric cars:

That have minimized the carbon foot print left by fossil fuels.

GPS system:

Which helped man tell direction without the use of starts or the cycle of the moon.

Business Industry

Cryptocurrency:

This is a decentralised virtual currency therefore, people do not have to put their trust in banks, the government or any other intermediary. All their money is theirs, no tax, no payment of service fees. This online ledger is un-hackable and thus secure.

E-commerce sites and applications:

Through the internet, people can buy goods from anywhere in the world. The goods which are not available locally can be purchased from any part of the world.

Military and Security Industry

Radar Systems:

Radar systems have been improved to check for threat of incoming nuclear weapons to prevent another tragic World War.

Education Industry

E-readers:

Use a technology called an e-ink or digital ink which uses so little energy that uses can read for weeks with a single charge.

Agricultural Industry

Dairy hubs:

Link smallholder farmers to dairy processors, cutting costs ad putting money back into local communities.

Construction Industry

Computer-Aided Design:

This is a software that can be used to create 2-D or 3-D dimension models. Its purposes is to optimize and streamline the designer's workflow, increase

productivity, improve quality and level of detail in the design.

The above mentioned inventions have made lives safer, the world more comfortable and have provided solutions for environmental issues as well.