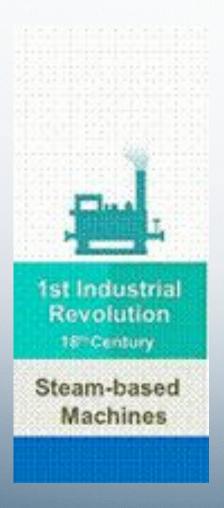


EVOLUTION OF INDUSTRY

HOW DID IT ALL BEGIN.....STEAM

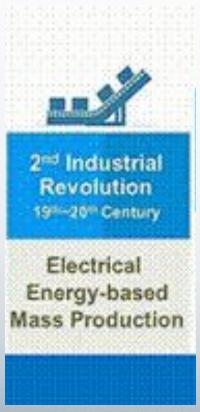




- a simple device that used boiling water to create mechanical motion
- ☐ 1st mechanical loom 1784

2ND INDUSTRIAL REVOLUTION - ELECTRICITY

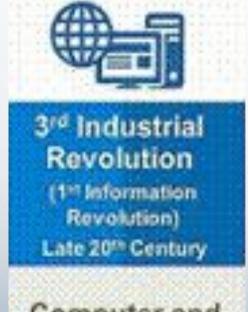




- Discovery and use of Electricity
- Period: (1850-1914)
- Growth of pre-existing industries
- Expansion of new ones; such as the steel, oil and electricity fields.
- 2 things changed the world ...
 - Public transport (cars)
 - Aeroplanes.

3RD INDUSTRIAL REVOLUTION - COMPUTERS

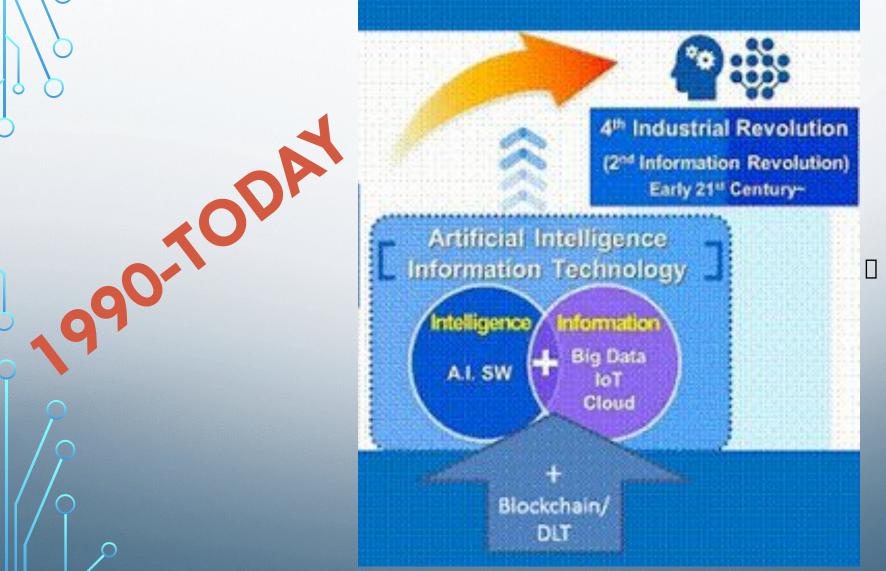




Computer and Internet-based Knowledge

- known as the digital revolution is driven by the change from mechanical and analogue electronic technology to digital electronics
- widespread adoption of digital computers which has led us to the present day.
- automation of production, consumer electronics, information and communications technology
 and the internet

4TH INDUSTRIAL REVOLUTION - IOT CLOUD, MOBILITY



Confluence and convergence of emerging technologies

The Fourth Industrial Revolution



1st Industrial Revolution 18**Century

Steam-based Machines



2nd Industrial Revolution 19nd-20nd Century

Electrical Energy-based Mass Production



3rd Industrial Revolution

(1th Information Revolution) Late 20th Century

Computer and Internet-based Knowledge



4th Industrial Revolution

(2nd Information Revolution) Early 21st Century

Artificial Intelligence Information Technology

A.I. SW Information

A.I. SW Cloud

Blockchain/ DLT

The confluence and convergence of emerging technologies

• https://youtu.be/LlhmzVL5bm8