**What is industrial revolution ?**

Industrial revolution was a period of rapid growth in Industrialisation began in Great Britian in mid of 18 century.Industrialiisation has a profound impact on society. It led to increase in growth of cities people migrated from rural areas to cities to work in factories.

The industrial Revolution was turning point in human history. It transformed societies and culture among the world.

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**First industrial revolution:**

Transition from manual labor to machine-powered production, especially in textiles with inventions like the spinning jenny and power loom.

Development and widespread use of the steam engine, revolutionizing transportation, manufacturing, and energy generation. Iron

Improvements in iron smelting and production, enabling building stronger machines and infrastructure. Urbanization: Growth of cities as people migrated for factory jobs, leading to new social and economic dynamics. Textile

**Industry Boom**: Increased production and trade of textiles, making clothing more affordable and accessible.

Massive growth in agriculture.Food production increased.

Advancememt in science,math. British made peaceful environment for innovations.

**Second industrial Revolution**:

The Second Industrial Revolution, also known as the Technological Revolution.

* Mass adoption of electricity and advancements in engines (cars, gasoline).
* Bessemer process revolutionized steel production, making it stronger and cheaper, impacting construction and machinery.
* Development of new chemicals, fertilizers, and medicines significantly impacted agriculture and healthcare.
* Invention of telephone, radio, automobile, and airplane drastically improved communication and travel.

**Third industrial Revolution** :

Third industrial revolution mainly focus on Digital technology, automation and information.

Key inventions of third industrial revolution are transistors, integrated circuits and internet.

There is increase in automation in industries.Access of information and communication.

**Fourt Industrial Revolutions**:

We are currently implementing the Fourth Industrial Revolution. It is the advancement of the Third Industrial Revolution.

This is the next step in production automation. The networking of all systems leads to "cyber-physical production systems" and therefore smart factories, in which production systems, components and people communicate via a network and production is nearly autonomous.

Industry 4.0 has the potential to deliver some advances in factories. Example machine analysis the error and trouble shoot and give solution .

Most of the work is autonomous and it has the power to change the way that people work. Industry 4.0 can pull individuals into smarter networks, with this there will be efficiency in work.

This digitalistaion revolution allows more flexible method to get right information at right time with less time consumption. People can solve complex problems, not wasting time for the technical information that they need.