

Industrial Revolution (IR) 4.0: Past, Present, Future.

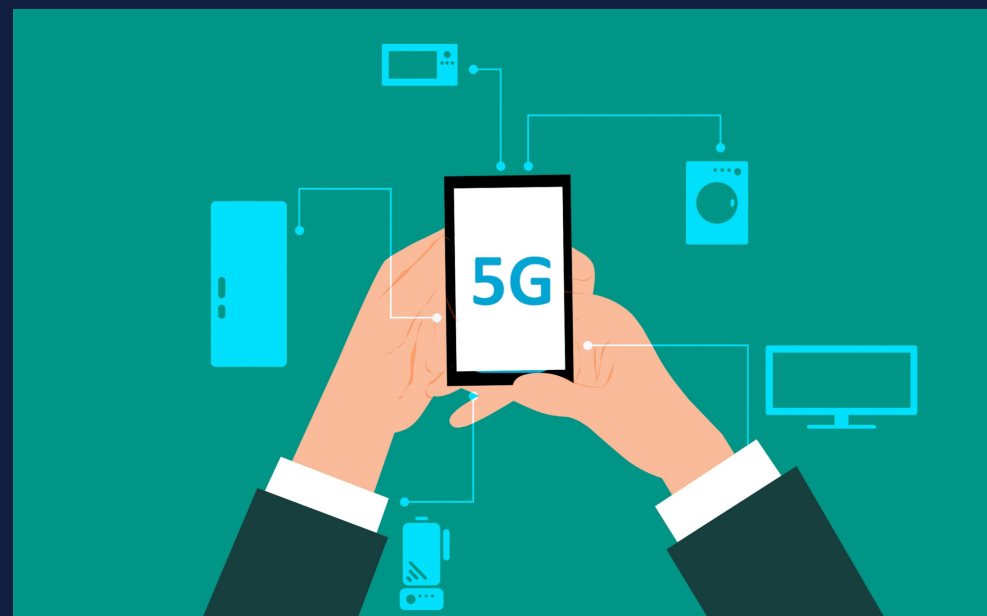
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Exclusive Summary

The Industrial Revolution saw a massive shift economically, socially and culturally. It saw a shift from cottage industries to technology industries, mass migration from the rural areas to new urban areas and the emergence of new social classes

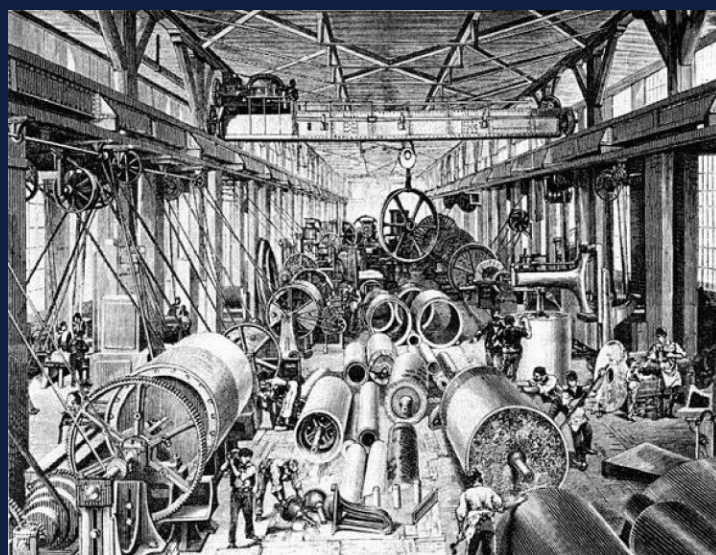
With the fourth industrial revolution and the implementation of fifth-generation connectivity for data networks across the world. 5G coverage is increasing, many doors for innovation will open. 5G will enable things like driverless cars, telesurgery, real time immersive gaming with Augmented/Virtual Reality, etc.

Because of the advancements in technology, more jobs will be in demand in the future and that will help boost the economy even more..



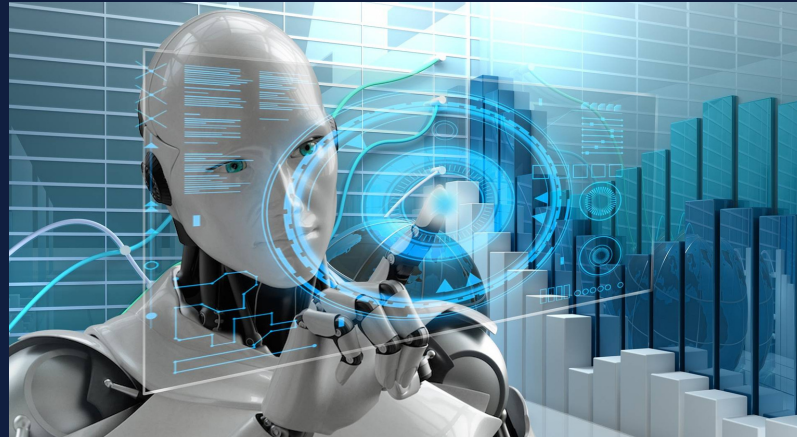
Introduction

The beginning of the Industrial Revolution



This stage is exemplified by the changes and developments that the industry has gone through that took production methods and transferred them to new methods emerging in terms of the nature of production, division of labor, and others.

The stage of widespread use of energy in the industry



The true revolution of the industry is this stage, coinciding with the expansion of the use of coal in the field of thermal energy generation and its fullest exploitation.

The stage of the modern scientific and technological revolution



And it extended during the period between the seventeenth and eighteenth centuries, and this revolution was exemplified by the applications of the invention movement and what came with it.

Job Trends

- 1-3D Printing technicians.
- 2-Biomechanics service persons.
- 3-Computer vision engineer.
- 4-De-extinction zoologist.
- 5-Electronic textile designer.
- 6-Ethical hacker.
- 7-Infographic designer.
- 8-Machine learning engineer.
- 9-Urban agriculture.
- 10-Web history archivist



Reflection

With the first industry revolution, our life has dramatically changed the same as the way we produce things. In the 19th and 20th centuries, the 2nd and 3rd industrial revolutions happened and we have seen many other new technologies exist such as computers and automobiles. Now, we are implementing the 4th industrial revolution and we are changing faster than ever before.

The industrial talk 1 was focused on the industrial revolution 4 (IR 4.0). The speaker has mentioned some of the components that represent the IR 4.0 such as Autonomous Robots, IOT, Big Data and Augmented Reality. The Autonomous Robots are machines that can perform tasks without the help of human control. With cloud computing we can use network servers which are hosted on the internet to store, manage, and process our data. The IOT connects everything in our life to the internet, our cars, home, and all our digital devices.

All in all, the industry talk was full of valuable information about the technology industry which will be so helpful for us in the near future.



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