

# Covid-19 Impact on Various Sectors in India -A Detailed Analysis

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## ABSTRACT

As the whole country is aware of a virus which changed and put both developed and developing country into a trouble. The most popular and deadly virus is the novel corona virus which made the whole world stay in our home. Knowing the seriousness of this virus our government took various initiatives and imposed various rules and regulations to protect the life of all the human beings. As a result there occurred a lockdown which shut all the industries, factories, transportation between states, countries and this resulted in the huge loss to government as well the private sectors. Almost all the sectors like aviation, banking, defence and security all were put into a bubble with no other alternate and with an only motto to save human life. The impact of novel corona virus and its impact on Indian economy and who it affected the growth of the nation in gross domestic product (GDP).

**Key words :** Covid -19, impact on sectors, economy, Gross Domestic Product (GDP).

## 1. INTRODUCTION

Corona virus disease the most contagious disease which originated in the Wuhan, China in December 2019 is popularly called as COVID-19, which made the whole world shut in this pandemic and made us remain in our home, it also curbed all the industrial sector and caused total lockdown in various aspects all over the world. As in other countries, its impact in our mother land India is also severe where thousands and thousands of human beings have been affected and lots and lots of people have even lost their lives due to the severity of virus. As a result, various sectors like airways, railways, tourism, defence, education, agriculture, trade which includes import and export and health sectors have shown its decline in progression. Furthermore, India's entire economic status was approximately INR 8.8 trillion due to the impact of pandemic scenario. Almost all the sectors were closed as this is a rapid spreading disease which spread in air which all of us breathe. In order to maintain social distancing and to follow the secure lifestyle among humans all the sectors were closed transportation, travelling among the country and even in between states were stopped in all modes of transport this leads to decrease in the growth of Indian Economy[1].

To restraint, the outbreak of epizootic disease Indian government suspended the modes of transport, grounded all flights and tourist attractions, educational sectors are shut indefinitely, thus imposing a stricture on the value chain of tourism which includes hotels, tour operators, restaurants, and agents. The whole chain of tourism, aviation, railways, roadways and hospitality is expected to face huge losses

worth several billions. Though, during these difficult times, many companies have taken some good initiative to curb mass unemployment, but the question remains whether the industry will be able to sustain in the long run. Companies and various sectors have faced a critical down fall in all aspects it also in turn affected the lifestyle of normal people into a great extend, which also resulted in the GDP downfall and the economic crisis in certain sectors[2].

## 2. TYPES OF SECTOR

The most popular and the harmful virus which made the whole country and made the government to shut all the sectors in order to avoid the communication of that novel virus, various preventive measures were taken among which maintaining social distance and keeping one self and the surrounding clean and hygiene is the only way to avoid this diseases caused because of this virus. Almost all the sectors like agriculture sector, aviation sector, production industry, small scale industries, hospital, defence and health care were all put into a bubble and faced more difficulties this reflected in the great decline in the Indian economy.

### 2.1 AGRICULTURE SECTOR

The agriculture which act as a backbone of our country, where it provides 13.7% of our GDP. Farmers were unable to cultivate the crops or harvest the vegetables, fruits which they cultivated, transporting them to market was also a practical issues so many vegetables and fruits were wasted. Apart from the farmers the street vendors livelihood was also affected the impact of lockdown hit them hard. They even lost their source of income, all of them were put into a satiation where they even starved for their basic needs, unable to feed their families. There also occurred a tremendous downfall in their income. Type of farmers prevailing in India is shown in the figure 2.1.1. where 7% are large farmers ,14% are landless farmers , 19% are marginal farmers, remaining maximum percentage of 60% is by the small scale farmers.

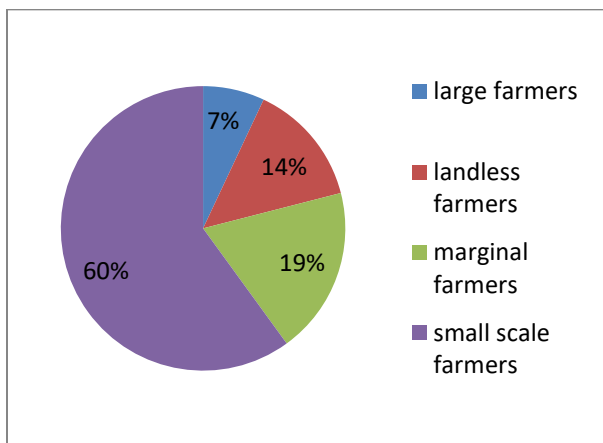


Figure 2: Types of Farmers

Figure1: Architecture of the Enhanced Fuzzy Resolution Mechanism using ANFIS

#### 2.1.1 SAFETY ASPECTS FOR VENDORS

Ensuring hygiene, safety and social distancing at sites of vending:

The government took various measures like frequently washing their hands with soap/sanitizers for street vendors at their place of work.

Additionally, vendor organizations should work with food safety authorities in the country to train vendors' ways to maintain hygiene while working.

a )How do covid-19 had its impact on agriculture sector?

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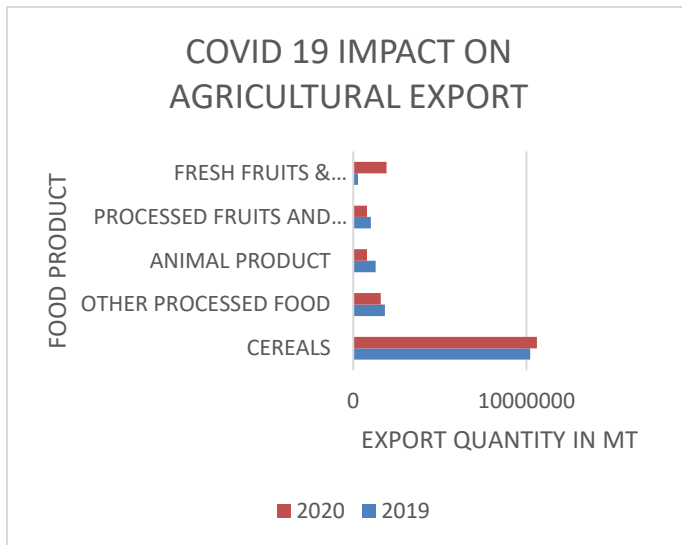
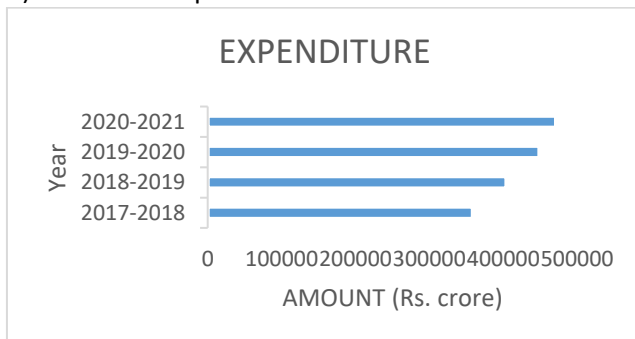


Figure 2.1 Impact on Agriculture

## 2.2 DEFENCE SECTOR

b) Economic impact of covid-19 in defence sector?



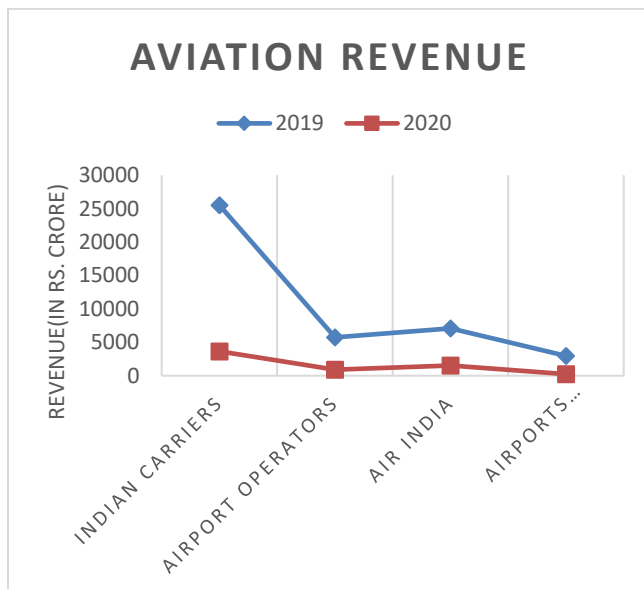
**Figure 2.2 Impact of Covid-19 In Defence Sector**

Due to the impact of this COVID - 19 , Corona virus the defence and the security system also suffered a hug crisis in the requirement of raw materials and the equipment. As we depend on the other countries for some specialized equipment due to this crisis we were not able to acquire the equipment on time as a result there occurred a huge demand for the defence equipment. The government should focus more and invest more in this sector to develop automated, unmanned systems than to use the conventional method. In, India research and development sector should be encouraged to do our own design, developing and manufacturing of the military equipment.

**2.3 AVIATION SECTOR**

In this corona COVID-19 pandemic had caused a massive destruction in the aviation sector. India also banned international flights from March 23 2020, from few countries and territories over few month as this pandemic hit hard. Many major airline companies like Air India, Spice Jet and few other companies also suffered a huge loss and there also occurred a satiation where they were unable to give their salary to the workers and many employee were laid off has the condition became worse. This pandemic had more impact on international flight than of domestic flights , as domestic airlines where allowed to operate with 80% of capacity. International one had down by 80-90% from pre-Covid level[4].

c) Impact On covid-19 on aviation sector?



**Figure 2.3 Impact on The Aviation Sector**

**2.4 EDUCATIONAL SECTOR**

This deadly virus has caused serious effect in education system. Everything had become online, even the kindergarten children are made to sit in front of a gadget like mobile phones, laptops, personal computer for learning which cause various ill effects in their health[5]. Apart from schooling, college and all are made to study in digital platform[17-20]. As all were made to study sitting in front of laptops or mobile phones which have various side effects and also have a huge impact in the physical body. Even though they are motivating the students to learn in an e-platform, the effective percentage of

knowledge gained by the students is few low. Many of the students get into and continue in carrying out various works and sometimes get into the classes using their classmates login credentials just for showcasing their presence[6, 7].

d) Percentage of effective use of online class?

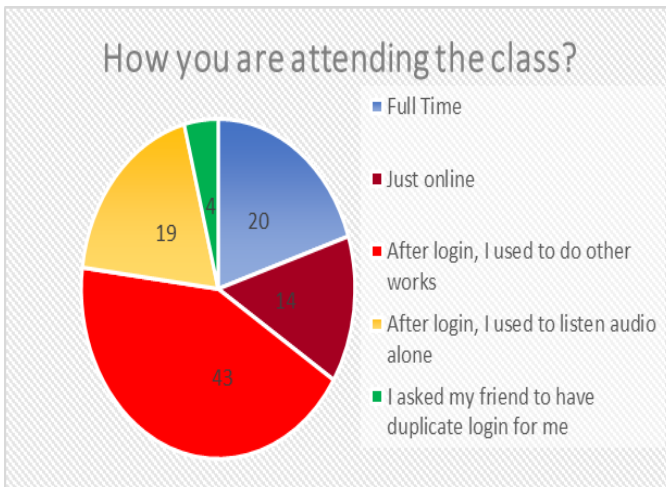


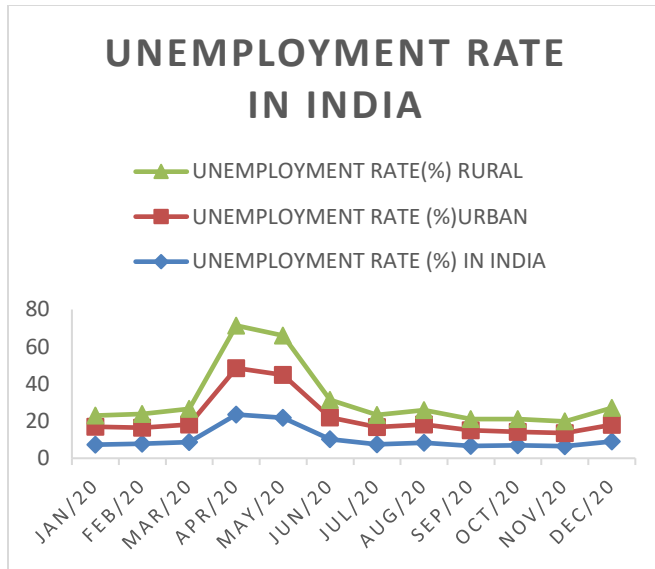
Figure 2.4 Online Classes Efficiency

### 2.5 IT SECTORS

Covid – 19 virus which in turn caused a global impact on all industries in developed countries. The IT sector in India is a major reason for the growth in the Indian economy. The employers working in this IT sectors are also comfortable with the practice of work from home. As far as the national association of software and services companies are concerned, the overall software sector services and exports in India was recorded as 8.1 percentage in 2020[8].

### 3. IMPACT ON NORMAL PERSON

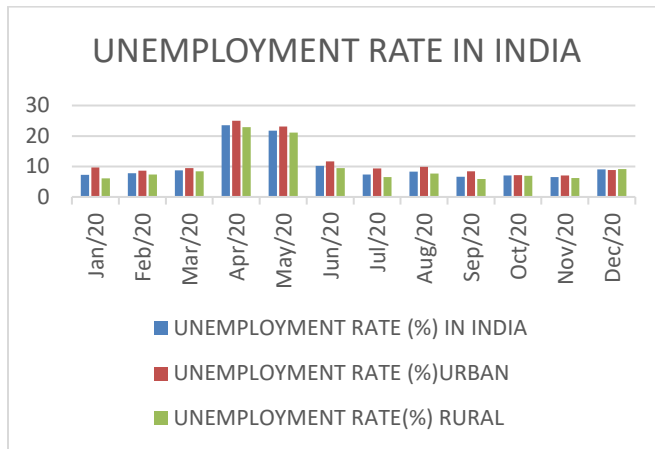
e) Unemployment prevailing in India?



**Figure 3.1** Unemployment in India

This novel corona virus has made people suffer a lot. They were not even allowed to go out without mask, sanitizers, and not able to go for work, their total routine was affected. Many were laid off, daily wage workers were affected a lot as they were not able to feed themselves and the family. Around fifty percentage of population is at the verge of losing their livelihood in the total work environment. As many people had lost their life and died because of this virus as a result their family are in trouble, due to low income the pregnant women, infants are suffering malnutrition[9, 10].

Bar chart representation of the unemployed people present in the urban, rural and overall unemployment in India[11, 12].



**Figure 3.2** Bar Chart of Unemployment in India

f) Economic status of the Indian population

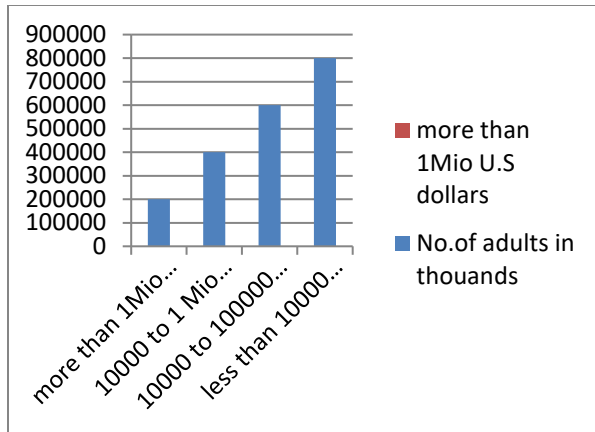


Figure 3.3 Wealth Conditions of People in India

### 3.1 GDP OF INDIA

Standard measure production of goods and services produced in our country is called as Gross domestic product (GDP). As such, it also measures the income earned from that production, export, or the total amount spent on final goods and services are taken for consideration. Annual growth in the Indian GDP[1, 2].

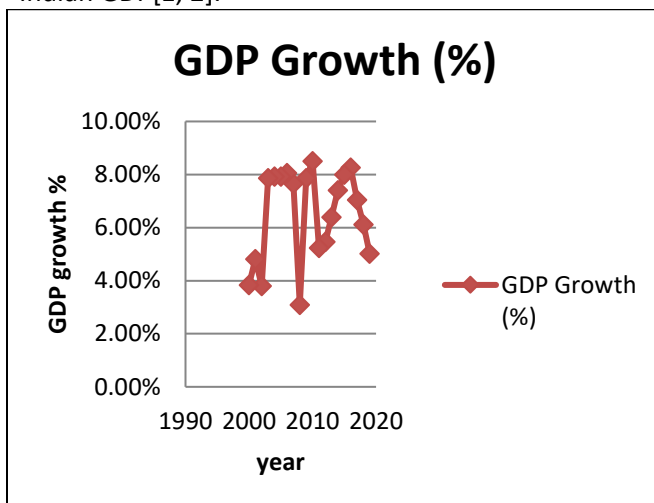


Figure 3.1.1 GDP of India

The figure 3.1.1 shows the annual growth in the Indian GDP. The graph confirms the fluctuations during the years as it has taken two decades for calculating the growth. From 2010 onwards, it has gradually increased and it retained its hike till at the beginning of 2020[13]. But unfortunately, it gets declined owing to the condition of pandemic threat[14, 15].

### 4. CONCLUSION

This lockdown caused due to COVID – 19 viruses had various impacts on the environment and also the human beings. Almost all the life of people is under threat because there is no proper medication for the cure of this fever. As the virus is a communicable one which spread rapidly, various preventive measures were undertaken to prevent the human life. This in turn resulted in the closing of industries, factories, educational sectors, in order to avoid the gathering of people so there resulted a national wide

lockdown which made all of us to shut ourselves in the home. This condition had a huge impact in various sectors all over the nation, from small scale industry to a big multinational company was put into trouble and suffered a huge loss[16]. Many people were not even able to get proper food.

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