

## IMPACT OF COVID-19 IN ALL ASPECTS IN INDIA

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### **Abstract**

*Novel Corona Virus is called COVID-19 which affected the word economy in the short span of time. Many Countries like Italy, China etc., have been suffering both physically and economically. Even our country is also facing the Economic crisis due to the outbreak of Novel Corona Virus. COVID-19 has also affected the Education sector, Textiles show rooms, Productions units, Transport sector (Air/Railway/Road), Automobile section, Food and lodging hotel services and other allied service sector due to lockdown. Fast moving consumer goods (FMCG) sector only is having a positive impact and higher growth without out any slowdown. The start-up companies were affected due to lock down and no customer and consumer access their goods and services. There is no transaction in foreign transaction due to the covid-19 to NRI accounts, Investments in Stock markets and export money receivables. Indian's Economy could take a hit of up to half a percent in this FY21 said by the Indian Economic Analysts. There will be a hit of 0.3% to 0.5% in GDP in the next fiscal year. The world is in a panic situation due to the pandemic Covid-19 virus infection. More than 3,592,547 people have been infected as of now and 249,081 have died because of this dangerous virus. This article is about how this pandemic made impact on Global Environment. Ants have been in the earth for more than 120 million years, but it did not change or pollute the environment. Out of all the living beings on earth Human are the one who started changing the environment for the past 700 years. The virus has brought the Indian Economy low due to unemployment and underemployment, non-availability of money to transfer for goods and service purchase. This article discusses the impacts of the entire sector in Indian context due to corona virus (covid-19).*

**Key words:** GDP, FMCG, Education, Artificial Intelligence, Robotic technology, online deception

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## **Introduction**

Novel Corona Virus a new Threat to Global Man Kind. This was discovered in the recent times and the outbreak of this infection is more than what we have seen during the outbreak of SARS 2015. Due to this COVID-19 the world economy had short fall. Many Countries like Italy, China etc., have been suffering both physically and economically. Even our country is also facing the Economic crisis due to the outbreak of Novel Corona Virus.

COVID-19 has also affected the education sector like any other sector as lock down is mandatory even for schools and colleges. We have turned to so called on-line education, postponement of exams, finding ways to avoid loss of term, declaring lock down period as vacation, fees collection to be postponed, etc. In comparison with other sectors like industry, banks, e-commerce, transport, etc., issues or impact on education sector are manageable, not much interdependent with other sectors.

Indian's Economy could take a hit of up to half a percent in this FY21 said by the Indian Economic Analysts. There will be a hit of 0.3% to 0.5% in GDP in the next fiscal year. In the first 2 quarter it was 4%-4.5%. Maybe this may drop to 3.9% to 4% in GDP. India cannot attain the planned 5% growth rate in the current fiscal year. RBI expects the current account deficits would be 22-24 billion dollars. The Exports declining at the rate of 2.91% in February 2020 it was 27.65 Billion Dollars. Let's see what all the sectors which have been affected due to this COVID-19 outbreak.

## **List of Sectors Affected**

### **1. Aviation**

There are 585 international flights have been cancelled by the private passengers in March 6. On March 12th India has cancelled all the Visas which was issued earlier. India's largest airlines have reported that they had 10%-15% of Decline.

## **2. Hospitality**

The restaurant business has fallen by 35%. The average occupancy has fallen from 70%-75% to 20%. National Restaurant Association of India has reported that restaurant's business has been declined to 35%. Many of the Multiplexes from major cities they have been shut down.

## **3. Apparels**

Many countries have denied the products from India almost 35% of apparels are waiting for the Exports. More than 60% of the revenue of Apparels comes from Export which is almost one lakh crores

## **4. Consumer Durable and Electronics**

More than 15% of Consumer Durables has fall in during the period of Jan-Mar 2020. India Imports more than 45% of Accessories and Spares from China which is also denied.

## **5. Poultry and Seafood**

More than 30% fall in demand of chicken in past three week. Poultry industries are forced to sell the chickens at a cost of 30rs. The stock pileup for the Poultry Industry due to the outbreak of the Virus and the Fake news which was circulated among the public is cause of the pileup. Many European countries and many other countries have denied the Export of Sea-foods.

Due the outbreak of Novel Corona Virus (COVID-19) many sectors have their decline stage and Indian Economic growth is started to fall down. Imports and Exports have stopped for the short period of time due to that Tons and Tons products have been stocked to deliver. If this situation continues many businesses is going to end up. Analysts are predicting that the situation is going to still worse in the month of April and May.

## **6. Education**

There would be a big jump in the need for skill based education. Online, simulation based, management game based education, and linking theory to practice and vice versa would be a big priority. The demand for online education will increase to a large. Fly by night online education providers will increase dramatically at least in the short run. Clamour for online examinations will rise; initially this will be around 30% and gradually stabilize to 50%.

The statutory bodies will be forced to relax on the infrastructure needs like number of classrooms, library books, faculties etc. Infact, qualifications of faculties will be replaced by industry experts. Large number of industry personnel especially middle and junior senior personnel will be now available to train students at least till 2023 and 2024.

Syllabus, course content will get revised and new programs like crisis management, disaster management, health attack managements (today it is corona virus tomorrow it could be something else) etc. will be developed and can be offered as electives. Faculties will need to keep themselves abreast of newer knowledge, newer methods of teaching, industry trends etc. Perhaps faculties will have to prepare videos, YouTube and put greater emphasis on learning management systems etc.

In the short run placements / joining dates for fresh students would be delayed and consequently students would have to develop competitive skills to get placements. Innovations, R&D will get a big impetus. Health, Biotech, Pharma will see an increase in admissions.

### **Lessons from COVID 19 on Education Sector**

Schools closed for 2-3 months have limited the impact on education outcome. On-line is the high- way for future learning. Since we follow blindly Macaulay or Western model



of education, we need to switch over to appropriate education model, to be executed with spirit. We are going to overcome the issue of lock down on education sector by simple short cuts, I fear, after lock down we will continue in line with the older teaching practice methods.

### **Changes in Education Post COVID -19**

**Blended learning will become a reality:** The classroom will be supplemented by online coursework. This way, students may be required to physically attend classes on fewer days and will be free to study at their own pace. This will also give them adequate time to assimilate information.

**Training of teachers will be qualitatively different:** All the teachers will have to be trained for online teaching as well. This will go a long way to ensure that they are comfortable with technology and will be able to seamlessly switch between online and offline modes of teaching the curriculum. And above all, teachers will feel empowered to deliver a more impactful lecture than before.

**Use of Artificial Intelligence (AI)** will help personalize the learning experience for every child: Soon, educators will have to discard the 'one-size-fits-all' approach that is mostly followed in traditional classrooms and use technology to offer a learning experience that is uniquely suited to a child's learning needs. The blended approach to learning, in turn will help all types of students, since they will have the opportunity to engage with different types of content such as video, audio, presentations, thereby increasing the ability to personalize learning.

**Role of teachers will need to be redefined:** With information readily available just a click away, the role of a teacher from that of a 'knowledge-giver' will gradually move to one of a 'facilitator' in the development of learners and helping them to become life-long learners.

**Technology will be used effectively** to reduce the time spent by teachers on tasks such as paper-setting, evaluating and grading: This will help the teachers focus more effectively on teaching and course improvement.

**Interactivity and engagement in a physical classroom** will have to be built into the online learning programs to keep students engaged: Physical classrooms offer a high degree of interactivity with the teacher and also among students. Educators will have to bring in a lot of innovations to bring in the element of interactivity and collaboration in their e-learning modules.

**Social Distancing principles will have to be incorporated:** As and when schools, coaching centers and other educational institutions open up after Covid-19, the new social distancing rules will necessarily change the existing ways of imparting education. Schools might consider working in shifts, classrooms will follow strict sanitization processes and social distancing will become a norm for all activities.

## **7. Indian Postal Services**

People in world now facing the new experience like lockdown, battle against pandemic covid-19, economy falls and all the essential services are stopped. In this fast moving world transportation is more important people are helpless, India post which falls under essential service has been the bridge for many people across the state during the covid-19 lockdown.

Boasting the largest postal network in the world with more than 1.56 lakh post offices, of which 1.41 lakh are in rural areas, India post working around the clock delivering COVID-19 testing kits, ventilators, masks and medicines to far-flung places. The red mail vans is used for delivering parcels within the city limits but now it becomes the mode of transportation to faraway locations during the national wide lockdown with no train and flights in operations.

Apart from delivering medicines India post provides some other uninterrupted services like pension payments and banking services etc. About 14 lakh speed posts were booked about 2.43 lakh parcels used its network and nearly 11 lakh electronic money orders were registered, 1.3 banking transactions carried out totally Rs21000 crore. One lakh AePS transactions were undertaken and Rs 10 crore disbursed among the needy and the poor at their doorstep.

Nearly 23 lakh users have transacted Rs 452 crore using this system across the country, Service through app in mobile phones are India post Payment bank app which helps to withdraw of Rs10,000 at a time.

### **Pandemic Boost towards Digital Media Consumption**

In just some weeks following the outbreak, social and economic habits were broken, and that we are now struggling to stay our smiling expression amid the crisis. The side effects of isolation may additionally influence your online activity, attracting unwanted attention from cyber criminal.

### **Media on Over Share**

The pandemic has boosted digital media consumption across all platforms, from online gaming, movie streaming, forums and chat rooms. Some of us may feel overwhelmed and have the urge to form a “stay-at-home journal” and post excessively. But what if increasing your social media exposure does more harm than good? However, if your personal information falls in the hands of identity thieves, you may get a bad case of identity theft or impersonation to deal with. Remember to post responsibly, to avoid leaving an online identity trail you might later have to regret.

### **Exposure on Online for Children**

To prevent jeopardizing the lives of faculties, school children around the world have closed their doors so that online classes and home schooling has become the new trends. To keep the children engaged parents are looking towards online patterns to attract the children and make them engaged during this “Quarantine Period”. It's recommended to do and keep a detailed eye on what your child is exposed to within the digital world - what apps, streaming or online gaming platforms they use. Moreover, the sense of being isolated from friends and other relations may rush you into posting photos and videos on social media platforms, whether or not just to mention Hello to the worlds to say I'm Alive (Funny)

### **Online Dating & Chatting App:**

Bars, restaurants and shopping malls are now closed. However we're fortunate to live in a time where technological advancements allow us to hear and see each other over great distances. Forums and instant communication apps help us stay in touch with family and coworkers, and sometimes help us make new friends.

When loneliness kicks in, we become more vulnerable. If you're confident that nothing bad can happen in an online dating app, you're wrong. Anyone can use a different identity in the virtual world. The flexibility and anonymity people enjoy online is a double-edged sword, as you can't really identify truth from fiction with any certainty.

In the context of the Covid-19 outbreak and the isolation that follows, people are more likely to access online portals designed to help users date, share their story or have a good laugh – we all need one.

### **Online Deception**

Online deception has crept into every known part of the net, and creating a fake account is simply the primary domino. Some might even play the victim card, claiming they were attacked or need medical aid or their house was vandalized by robbers or they were

laid off to do so. They will play on your empathy and may ask you to send them money. If you deny their request, things can get ugly. At best, they'll simply block you and head on to the subsequent victim. In some cases, however, the scammers will even attempt to threaten you by exposing any secrets you would possibly have willingly shared with them. Focus on keeping your devices shielded from malicious activity and threats of every kind. Now over ever, you would like autonomy and safety as you reach the planet via your internet-enabled device.

### **Changing Hiring Patterns during COVID-19**

The present condition today shows a slowdown in the economy due to the novel covid-19 virus that has spread all over the world .It has disrupted the business, revenue and fallen down the consumers demand, stock markets started sinking and the most affected industries are travel and tourism and their related sectors.

Even though there are certain companies who will be cost cutting labour but there are some organizations which is looking for hiring plans such as Hospitals, Ecommerce, logistics and e-services companies they are in huge demand of manpower. As nowadays people are looking for online shopping for social distancing.

Though there is a downfall in the market due to this pandemic there is going to be a biggest changes in the hiring process instead of on the table meetings, job interviews will be conducted through video conferencing like Skype and zoom or by phone. Many companies like Google, Amazon, and Microsoft etc were following this pattern of interview process. On boarding is also another area of recruitment which has gone virtual like animal explainer videos, interactive webinars and podcasts etc.,

The following are the guidelines for video interviewing

1. Be Professional
2. Time Zone is essential
3. Be prepared for presentation

Many corporate have planned for a future oriented hiring that will be widely different from today's scenario .This move will benefit both the candidates as well as the recruiter. Millennial are more tech savvy and they usually won't apply for jobs in companies which have outdated recruitment methods .So organizations looking for talent they need to be technically strong. Video interviewing can be the best optimal methods for hirers.

### **Global Impact (Positive and Negatives)**

The world is in a panic situation due to the pandemic Covid-19 virus infection. More than 3,592,547 people have been infected as of now and 249,081 have died because of this dangerous virus. This article is about how this pandemic made impact on Global Environment. Ants have been in the earth for more than 120 million years, but it did not change or pollute the environment. Out of all the living beings on earth Human are the one who started changing the environment for the past 700 years.

Global warming was threatening the whole world. The poles started melting, the sea level started raising due to this, still now there is a threat that London and many countries which are nearby sea may be flooded by sea and the land may disappear in few years. Air pollution (PM2.5, ozone, and household air pollution) is the fifth leading risk factor for mortality worldwide. Almost one fifth deaths occur worldwide due to air pollution. The air quality index in Delhi is usually 200 (the normal level is 25). The world health organization claims anything above 25 is dangerous to health. Last year the Air Quality Index raised to 900 and on all days it was more than 25. The Delhi Government took several steps like Odd – Even rule to contain this air pollution and to bring the air quality index below 25. But all the efforts went in vain. But now after lockdown the air pollution is 20. Not only in Delhi, have major cities in the world seen decline in air pollution due to lockdown.

More than 70 Billion rupees has been spent to clean Ganges river, even National Green Tribunal has expressed dissatisfaction because the efforts of cleaning Ganges failed for the past several years. The health of Ganges river has improved drastically due to lockdown; there is a reduction in dumping of industrial waste in Ganges and Central Pollution. The Board has found that now Ganges is suitable for bathing and propagation of fisheries and wildlife.

People were able to see Himalayas from Jalandar city at Punjab which is about 213km away from it. This vision is seen after 25 years. From Uttarpradesh Saharanpur which is 636km away from Himalayas is able to see it after 30 years. It is unbelievable to see that how much humans have polluted the global environment. Covid-19 Pandemic Lockdown has helped us to know about the clean environment, more than this silver lining of clean atmosphere during this lockdown, people, government and industrialists should take efforts to control pollution after lockdown. This world does not belong to humans alone; it is for the millions of species in the world. If we don't follow rules nature will react against us.

### **Revamping India after COVID-19**

The COVID-19 pandemic is one of the deadliest diseases written in the history where all of the humankind faces a typical existential risk. Inside three months, the infection has spread the world over and endangered our well being and prosperity, yet in addition our social and monetary systems. We have entered, to acquire an oft-rehashed express, 'a period of radical vulnerability' where we are hustling to make proper reactions, not exclusively to make sure about safe well being results for all, yet in addition to guaranteeing the ways of life and occupations are ensured.

The pandemic has uncovered separation points the worldwide exchange and budgetary engineering, disturbing our movement designs, worldwide assembling esteem chains,



and administration frameworks. The emergency brings home some intense exercises: singular well being results can't be separated from the well being and cleanliness frameworks of the network that national outskirts are no resistance against dangers from nature, and that aggregate worldwide activity is progressively for our own individual insurance from such occasions. The expectation remains that the COVID-19 emergency achieves a worldwide revelation with respect to the requirement for saner reactions to the next imposing (and less quickly obvious) risk: the impacts of environmental change. When this scene is behind us, if its lone inheritance is to hand down us a more astute and progressively deliberative way to deal with adjusting the frequently clashing goals of financial advancement and condition security, at that point a lot of good would have happened to it.

### **AI in all Aspects**

The Pandemic Covid-19 has resulted in high demand of digital services for healthcare. To combat the crisis, we need to first know who has the disease, who is likely to have the disease, and what resources we need to fight against it. AI is one of the helpful applications for this current crisis. AI will help us to reach the goal of social distancing, quarantine, facial recognition and chat box. Using AI tools can help people to assess the risk and figure out if they need to be tested.

AI powered digital triage and virtual assistance is important now in the pandemic situation. Right now, walk in directly to the hospitals are not allowed. They need prior appointments before stepping inside the hospital. In many hospitals now they have implemented a self-kiosk which measures the temperature of the people stepping inside the hospital, asking certain basic questions to the person and transform the data to the concern physician. The physician sees the patient or person through his computer system and advises the treatment. Even some hospital has deployed printer options to take a print of the medical advice given by the physician.

In order to support the initiatives taken by the Government to combat the pandemic recently Hindustan Institute of Technology of Science has developed a AI tool called SEVILI, meaning care taker by Centre for Automation and Robotics. Sevili is designed to navigate to the isolation ward to deliver food, Medication and other necessities. It helps in connecting the medical frontline with quarantined patient through Video/Audio remotely.

Automated finger print technology has gained its importance in the new era before the pandemic. The work staff attendance, identity verification in government offices, as well as entry restrictions in various areas were the application of the biometric technology. Now due to this pandemic situation the fingerprint technology has become not only redundant but also had become potential risk carrier of infectious disease. An alteration to this technology facial recognitions technology has emerged which detects the faces within milliseconds when embedded into the system. New version of facial technology is facial recognition and temperature sensing technology. This new AI helps to detect the facial biometric and senses the temperature of the person who requires authentication.

While the world continues to fight against COVID 19 it also fights with the economic drop-down. Meanwhile Healthcare has shifted its goal towards Healthcare with the help of AI technology which has paved way for many new innovators to innovate new technologies to combat with pandemic situation in the upcoming years. A quote says “A light end of this tunnel shines brighter” creating much needed hope in this intense situation. As a new era we can expect to emerge AI supporting Healthcare.

### **Robots After COVID-19**

Robotics is the intersection of science, engineering and technology that produces machines called robots that substitute for human actions. There are different types of

robots Humanoid Robots, Semi Humanoid Robots, Delivery Robots, Pre-programmed Robots, Tele-operated Robots, Augmented Robots, and Autonomous Robots etc. We have seen many live cases of doctors being infected by Covid while treating Covid patients. Some of the workers at the cremation ground were afraid to cremate the body of patients died due to Covid-19 infections. Dr Simon Hercules, a Chennai-based neurosurgeon died after being infected by Corona virus. We all are aware what happened at the crematorium. To avoid all these Robots can be used in all places where humans are afraid to work.

In most of the developed countries in hospitals they have started using Robots. Delivery Robots are used to analyze patients' temperature, deliver drugs and essentials to the patients. Most of the Covid infected patients were treated by Robots. Since these robots can be easily sanitized and reused most doctors prefer to use robotic technology in treating infectious diseases.

In Hotel Industry serving food has been a big issue, since it requires more man power. During this Covid period social distancing is not possible in Hotel, since the server has to go near the customer to serve. Even before Covid many hotels have been using Robots for serving foods to the customer. Robot Restaurant in Coimbatore have tested and implemented successfully robot servers in serving the food. These robots can work 24/7.

Robot Dogs can be used for herding sheep, guarding the house and it can do number of work. These robots can also be used in military activities. Singapore has started using Robotic dogs which has a pre-recorded message to visitors to remind them of the importance of social distancing.

This era is an Era of Robots and post Covid the need of Robotic technology has grown a lot.

## **Conclusion**

Living day to day after lockdowns: restoring the economy like different nations, India is additionally trying to control a prudent way between the need to protect the populace, and to resuscitate the financial motor. The thorough national lockdown has prevailed with regards to easing back the spread of the infection, and the present intuition in the administration is to open the nation for business in a painstakingly adjusted way, concentrating on resuscitating divisions like agribusiness, assembling, and administrations; while segregating geographic hotspots and helpless gatherings. The most convincing necessity for restoring the economy is to adequately deal with the rising up out of the lockdown, guaranteeing that gracefully chains are revived, assembling and administration undertakings are allowed to work, with guaranteeing essential wellbeing cleanliness. The virus has bought the Indian Economy low due . Though we face these hardships we people with our strong determination can make it again on our track. “Hoping for Better Tomorrow”

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