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## **AstraZeneca Case Study**

In the year of 2020, there was a disease which turned the world upside down with its mass death rate, haunting the human race that they even started getting scared to be in contact with their own loved ones, later this disease was named as Covid-19 by WHO. AstraZeneca which is the leading pharmaceutical company from England with a turnover of \$26.6 billion moved forward to beat this disease to help the human race to survive from this deadly virus.

Later on, AstraZeneca joined its forces with Oxford University and got some leads when they got some immune response in their studies which levelled up their confidence that they might go to succeed.

### **Major Challenges in the Project: -**

Biggest challenge they faced amidst of the pandemic was to manage all the assets as they need to supply the vaccine all over the world with the limited resources and in the limited passage of the time. Whereas Project Manager was under a lot of pressure as they got calls from number of government officials that when they are getting vaccine.

Risk of manufacturing a Vaccine was as good as trial and test of new medicine on a human being with no guarantee of success as there was no particular set of steps which needs to be followed at the start. This Risk also took a lot of time to understand and realise where the steps needs to be taken to accelerate the process and trying to estimate the time frame needed for complete production of the Vaccine.

They hired their dedicated and talented employees for this project as there are lots of uncertainties regarding vaccine and reputation was on stake. There's going to be a lot of phases for the trial run of the vaccine and risk management team kept a close look even on the slightest work done by the team.

AstraZeneca had to manage the supplies after trial because there were lots of governments pressurising the company to get the dose first for their population presenting their contracts/frameworks. After three phases of trial runs on the vaccine finally AstraZeneca managed to come up with vaccine name on their own firm and the started manufacturing the mass supply for their customers all around the world.

The procedures and standards for approving and dispersing vaccinations varied per nation. In order to negotiate these many regulatory environments, AstraZeneca had to get emergency use authorizations and adhere to strict reporting and quality assurance requirements. The project became more difficult due to the need to follow many regulatory frameworks while assuring prompt approvals and compliance.

Another major challenge for the AstraZeneca was the risk of their reputation. It was majorly connected with the company's accelerated pace in the delivering the vaccination on a worldwide scale. The company's reputation and the public's confidence might suffer significantly if expectations are not met or if there are any safety issues. Critical issues were managing and reducing reputational risks while preserving efficiency and quickness.

Unprecedented prominence and pressure were brought on by the necessity for an effective COVID-19 vaccination on a worldwide scale. There was intense public interest in getting vaccinations as soon as possible, and governments and the general public eagerly monitored the project's development. Governments and leaders actively enquired about vaccine availability, which brought the effort under intensive scrutiny and raised expectations.

### **Walking towards the Solution:-**

After facing all the challenges regarding manufacturing and managing the assets for the vaccine. AstraZeneca spreads as the ray of hope all around the world. With the help of oxford university, all the failures that they faced during the trial leads to their success eventually. Now, they have to put a project infrastructure team who can set up a roadmap of how they will manage to supply tons of vaccine in months in each and every corner of this earth. Orders were passed to the project manager to increase the supply of the vaccine at a greater speed.

As there's going to be two doses for the vaccine and here are we talking about billions of the population. Though, there are other vaccines that were also manage to pass their trials so it became a challenge for the AstraZeneca to become more potent.

### **Project Requirements: -**

For a crucial project like this with AstraZeneca it is very important to assign the right people so that the output gained can be achieved in a very limited time. We also had to make sure that with the very limited time we are not losing the quality of our output which is not comprisable at all at any cost. The requirements of the project were quite definite to bring the best talents in this project and we need experienced people too so that the Project can be ran smoothly under this hectic work schedule and Pressure.

Scaling the project is also a necessary step as it helps in realizing where to spend the allotted money and for which resources right amount money has to be spent. The money and funding coming from several governments is not that easy so it becomes quite difficult to explain and also further becomes difficult to negotiate.

Being a Project Manager it's not easy to go progress ahead with the Project, the manufacturing of vaccination is quite a complicated process and several tests had to be performed before confirming it, managing media with their regular updates and of course the population of the planet asking the update regarding the Vaccine is one more major task.

### **Key Measures to Be Drawn:**

Working under the pressure and giving great outputs was the biggest challenge of the Project. There were a lot of commitments to the Governments of the World where they were constantly asking about the Vaccine update and not only the Governments of the World but also the global population of the entire world.

The project progressed and the demands for orders kept on increasing after a while even several organizations extended their help so that we can accomplish our goal. Our production capacity was limited at the start and we also received help from other organizations so that once we find the right product, they can help in maximizing the production so that it can be reached all parts of the world. The successful Production of Vaccine was not only the end goal but also finding quickest and safest way so that it can reach the entire world was also a

problem-solving scenario. The results which were achieved under this huge pressure and all of the government compliance rules, the output was quite great which benefitted the entire world.

### **Role play of Project Manager in this project:**

The project manager was in-charge of creating a thorough project plan that included the main tasks, deadlines, checkpoints, and resource needs. To make sure that their efforts were aligned and synchronised, they worked with cross-functional teams from supply chain, manufacturing, regulatory affairs, and research and development.

The project manager recognised possible hazards and unpredictabilities related to the creation of vaccines. They created risk reduction methods, backup plans, and risk response procedures in close collaboration with the project team and senior leadership. Throughout the course of the project, they kept an eye on and evaluated risks, making the required modifications to guarantee project success.

The project manager monitored the use of quality control procedures to guarantee the vaccine's security and effectiveness. To create and uphold quality standards, regulatory compliance, and adherence to Good Manufacturing Practises (GMP), they collaborated closely with quality assurance teams.

The project manager supported change management procedures because the project was dynamic. They recognised and analysed change requests, evaluated how they would affect the project's resources, budget, and schedule, and then successfully executed the modifications. They made sure that updates were shared, accepted, and seamlessly incorporated into the project schedule.