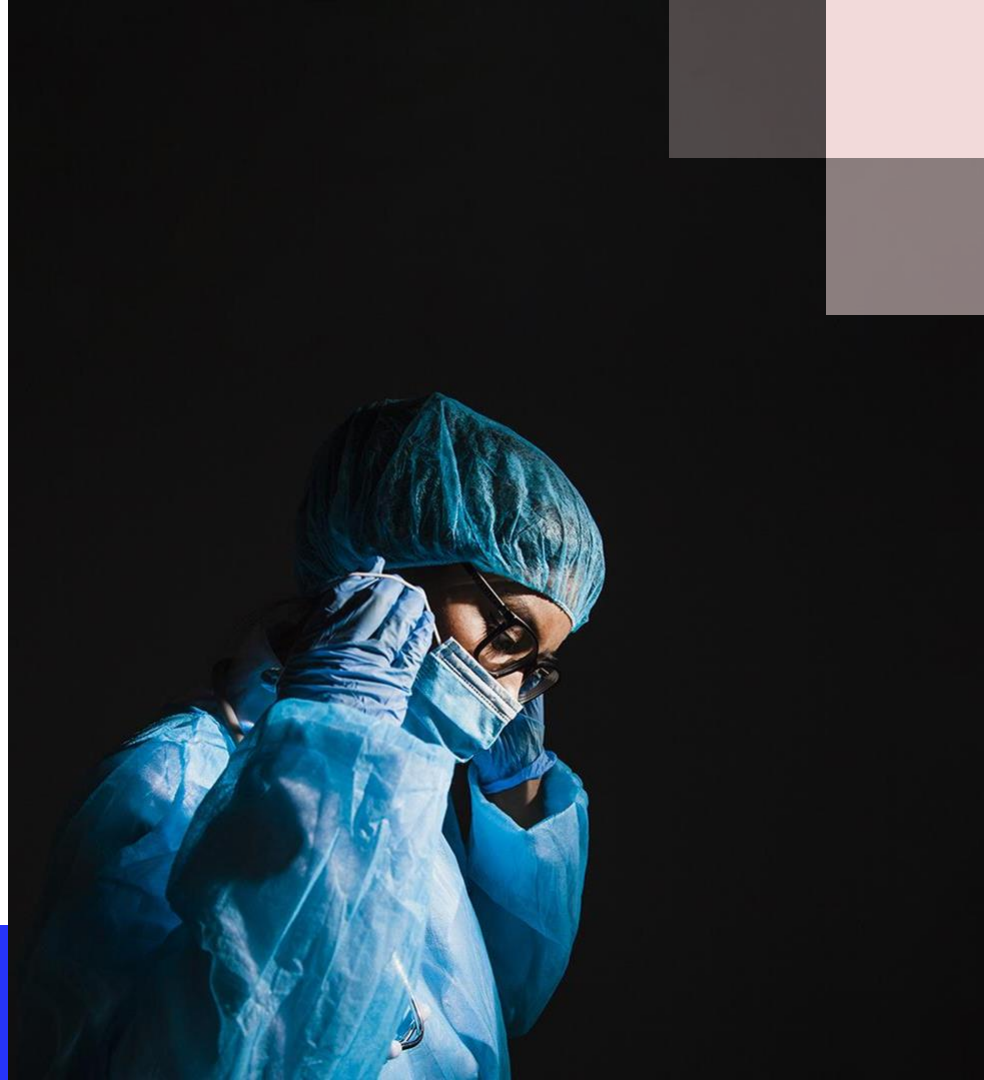




N95 Mask Project

Project Management:
Professor Joseph Vocaturo

Prepared By: Team Six





TEAM SIX

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**Rohan
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IT Director



Agenda

01

Initiating and Planning

- Project Team
- Introduction to Project
- RACI Overview

02

Executing

- WBS Components
- Critical Path/Gantt
- Resource Management



03

Monitoring, Controlling, and Closing

- Earned Value Statement
- Risk Management
- Closure

01

Section 1

Initiation and Planning



Introduction

Background Information


01

Current Situation

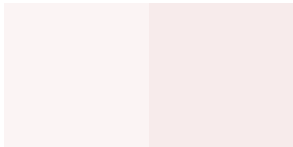
Recently, N95 masks have been running low in hospitals and people have been taking advantage of this by selling them at an unfair mark-up that is unfeasible for anyone in need to be able to afford.

02

Opportunity Statement

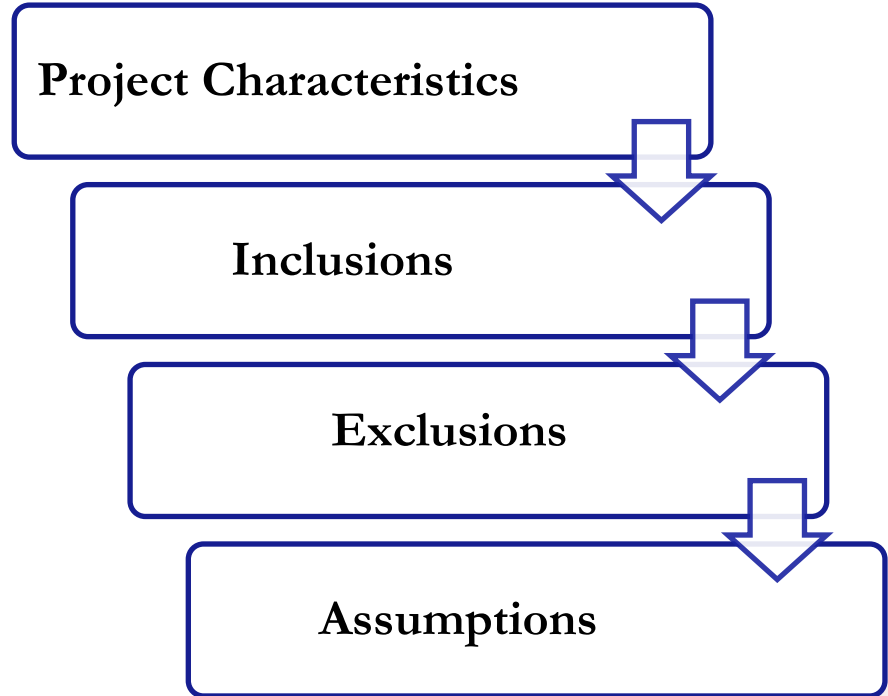


With the COVID-19 Pandemic hitting the US and all other major markets our team was tasked to produce N95 Respiratory Masks by the US Government. Our team will be able to manufacture masks for healthcare workers in the state of New Jersey, partnering with CVS who will help in distribution



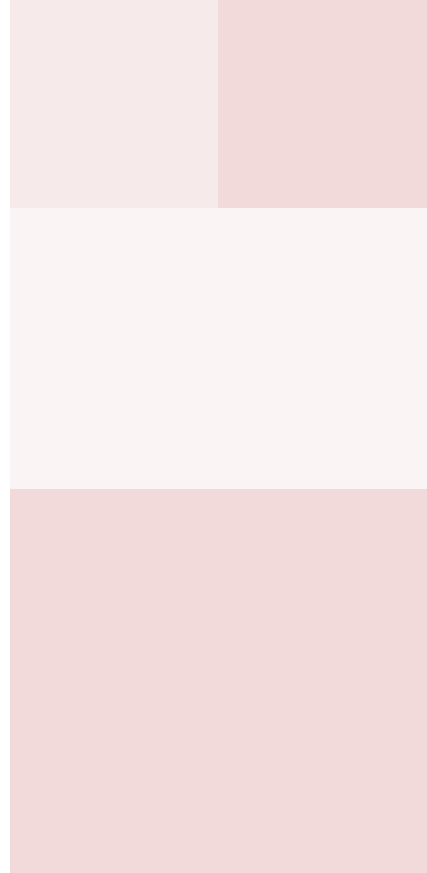
Project Scope

- Our team will be able to supply anyone in need, including but not limited to; Hospitals, Urgent Care Units, Police Departments, Fire Departments, EMT's, Nursing Homes, Senior Living Communities, and anyone who requires these masks to fight the virus.
- Recently, N95 masks have been running low in hospitals, and people have been taking advantage of this by selling them at a low mark-up that is unfeasible for anyone in need to be able to afford.
- The objective of this project is to procure N95 respirators masks (face masks) for personal protective equipment that will protect the wearer from airborne particles contaminating the face.

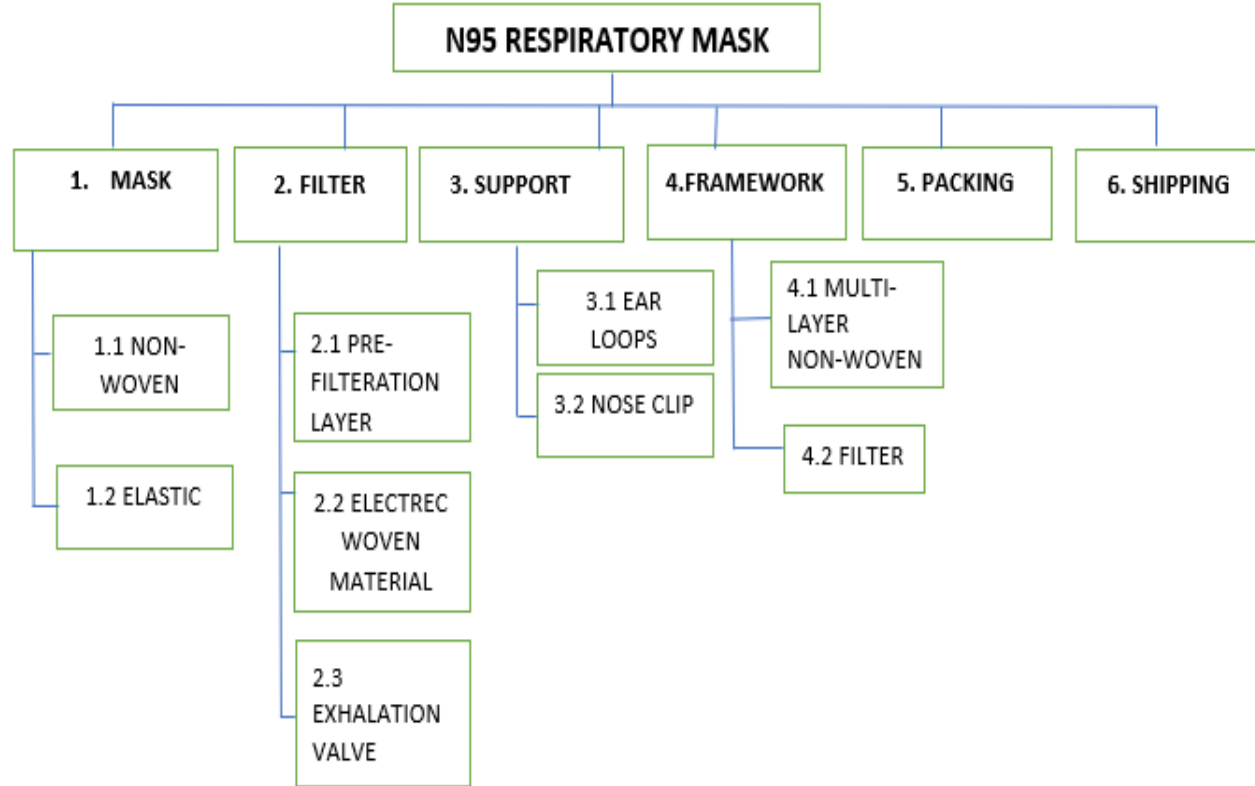


02

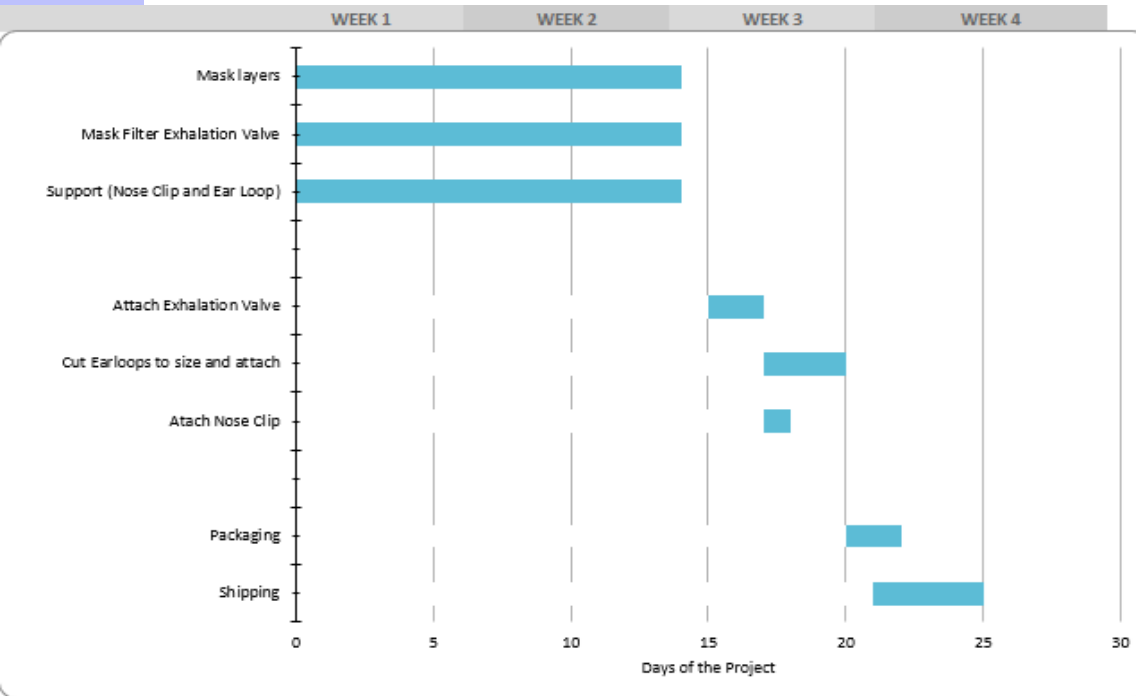
Section 2: Execution Phase



WBS



Timeline: Gantt Chart

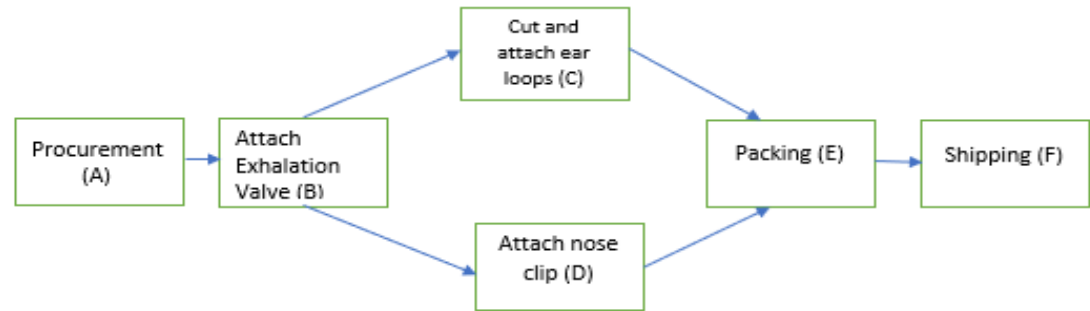


TASK NAME	START DATE	END DATE	START ON DAY*	DURATION* (WORK DAYS)
Procurement				
Mask layers	4/1	4/14	0	14
Mask Filter Exhalation Valve	4/1	4/14	0	14
Support (Nose Clip and Ear Loop)	4/1	4/14	0	14
Manufacturing				
Attach Exhalation Valve	4/15	4/16	15	2
Cut Earloops to size and attach	4/17	4/19	17	3
Attach Nose Clip	4/17	4/17	17	1
Distribution				
Packaging	4/20	4/21	20	2
Shipping	4/22	4/25	21	4

Critical Path Network Diagram

The entire duration of the project is 25 days, with a slack of 3 days in the path ABDEF.

The Critical Path for this project is ABCEF, which is 29 days.



Resource Management

01

Staffing

Staffing Type	Cost per month
Technical staffing	\$3000
Non-technical staffing	\$2000
Manufacturing staffing	\$1500
Delivery staffing	\$750
Marketing staffing	\$2000
Security staffing	\$750

02

Procurement Budget

Materials Required	Cost
Ear Loops String	\$2500
Filtration Layer	\$5000
Electric woven Material	\$4000
Multilayer Non-woven Fabric	\$2500
Elastic	\$3000
Nose Clip	\$3000

Cost Estimate / RFQ

- In the field of project management, cost estimation is the process of estimating all the costs associated with completing a project within scope and according to its timeline.
- At the initial stage of a project, cost estimation plays a crucial role as it determines whether to pursue a project or not. We followed all the methods and efficiently estimated the costs which helped us to gain profits from the project
- Thorough cost estimation includes direct and indirect costs which are associated with a project throughout its completion.
- If a PM do not estimate their costs precisely then the overall project, budget and resource allocations can go wrong

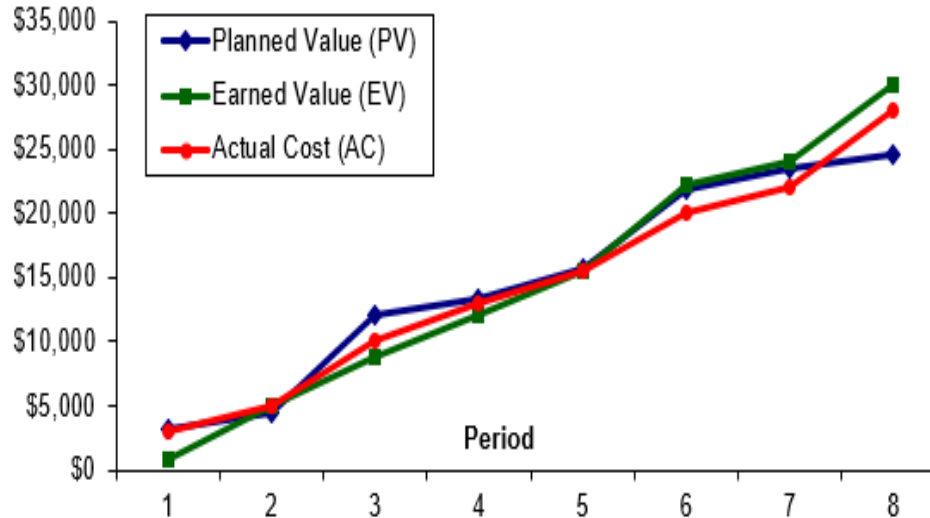


03

Section 3: Monitoring, Controlling and Closing Phase



Earned Value Statement



- Our team did pretty good job to stay within the budget for the whole project.
- All the three graphs, i.e. , Planned Value, Earned Value and Actual Cost overlap each other for a large span of period which signifies we stayed within the budget till the end.
- For the Project budget \$30,000 were allocated but by the end of the project only a significant amount of money was used up.

Risk Management

Risk Assessment Matrix

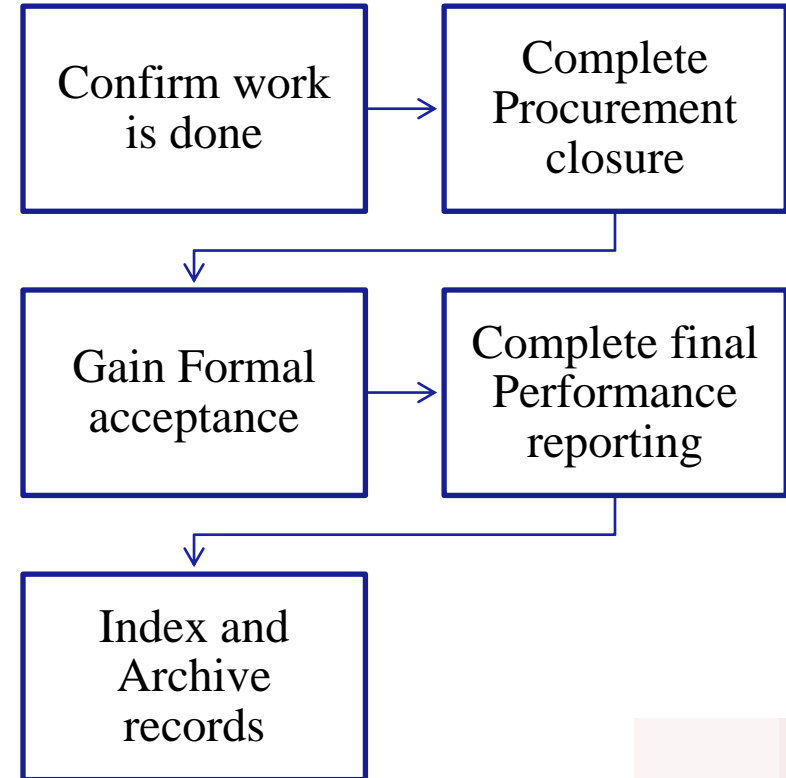
		Impact		
		LOW	MEDIUM	HIGH
Probability	LOW		RISK 9,RISK 11	RISK 4, RISK 5 , RISK 6 , RISK 10
	MEDIUM		RISK 1, RISK 2	RISK 7 ,RISK 8
	HIGH	RISK 3		

- 1.Receiving raw materials in a timely manner.
- 2.The raw material is not up to par for production.
- 3.Demand will be reduced as time goes on and the virus subsides.
- 4.Risks arise from legal and regulatory obligations, including contract risks and litigation brought against the organization.
- 5.Legal Risks associated with external hazards, including storms, floods, and earthquakes .
- 6.Change in labor costs.
- 7.Employees are infected of virus.

Project Closure

Project closure activities ensure the recording project documents, archiving in organizational process assets, making final payments, releasing resources, and completing the project.

After the project has been closed, a Post Implementation Review is completed to determine the projects success and identify the lessons learned.



*Thank
You*