



**Group 4**

**WELCOME TO OUR PRESENTATION**



# UNIVERSITY OF ECONOMICS AND LAW FACULTY OF INFORMATION SYSTEMS



## FINAL PROJECT REPORT

**PROJECT NAME:**

**“ BUSINESS INTELLIGENCE SOLUTIONS FOR PURCHASING  
PROCESS OF ADVENTURE WORKS CYCLE ”**

**Lecturer:** PhD. Ho Trung Thanh

**Tutor:** MSC. Ha Hai Dang

**Subject:** Project Management for Information Systems

**Subject code:** 212IS4402

**Conducted by Group 4**

# Otto's member



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**Group 4**

# **BUSINESS INTELLIGENCE SOLUTIONS FOR PURCHASING PROCESS OF ADVENTURE WORKS CYCLE**

**Date: 13/05/2022**

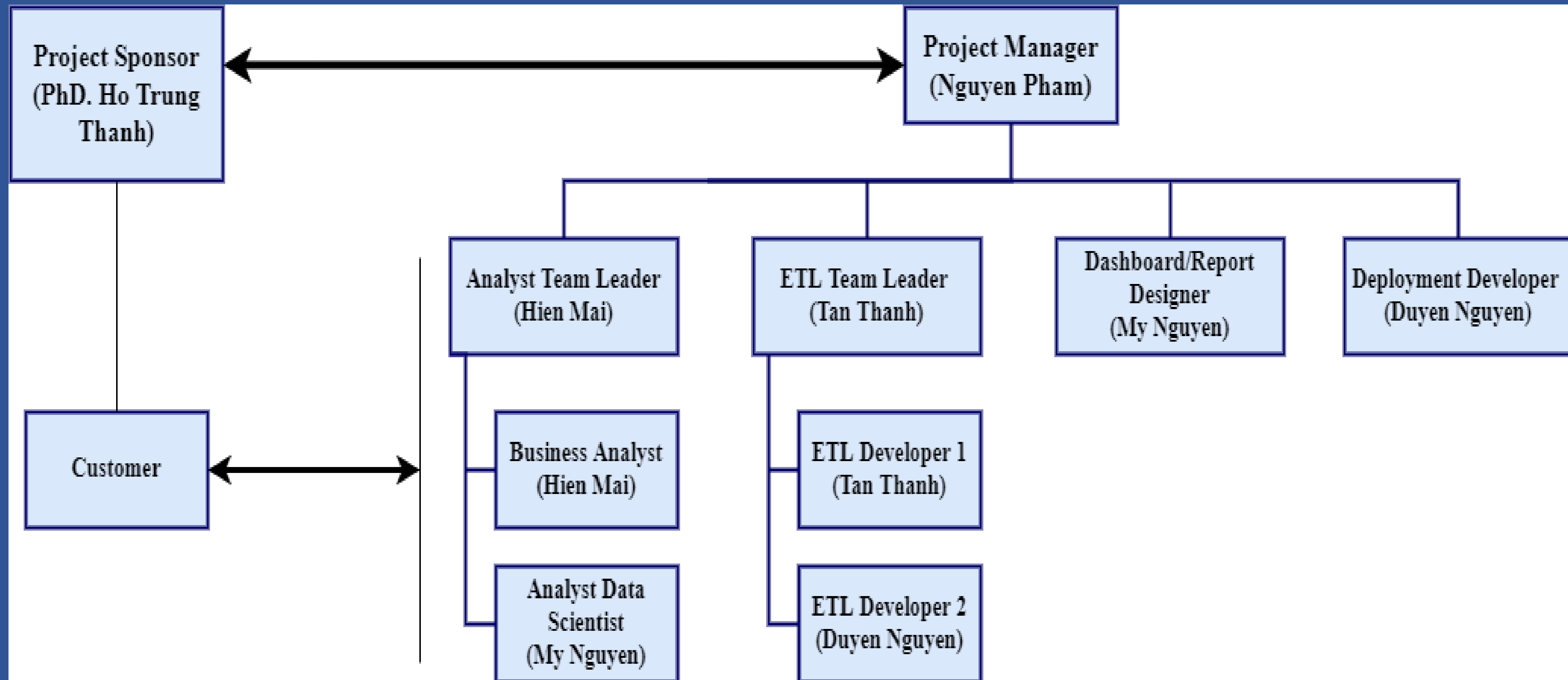


# Meeting Agenda



1. Overview company Adventure Works Cycle, SWOT analysis, Porter analysis
2. Review Scope Project, Gantt Chart
3. Report cost of project and progress
4. List of risks during project implementation
5. Evaluate Project
6. Lesson learnt

# Participants



# SWOT



## Strength

Database

High market-share company

Variety in product brands selection

High labor force participation rate



## Opportunities

Growing Market Size

Growing Consumer Preferences

The development of technologies



## Weaknesses

Time-consuming interview

Slow data accessing

Low reorder rate

Unsynchronized data

Centralized environment



## Threats

Effect of weather

Safety issue

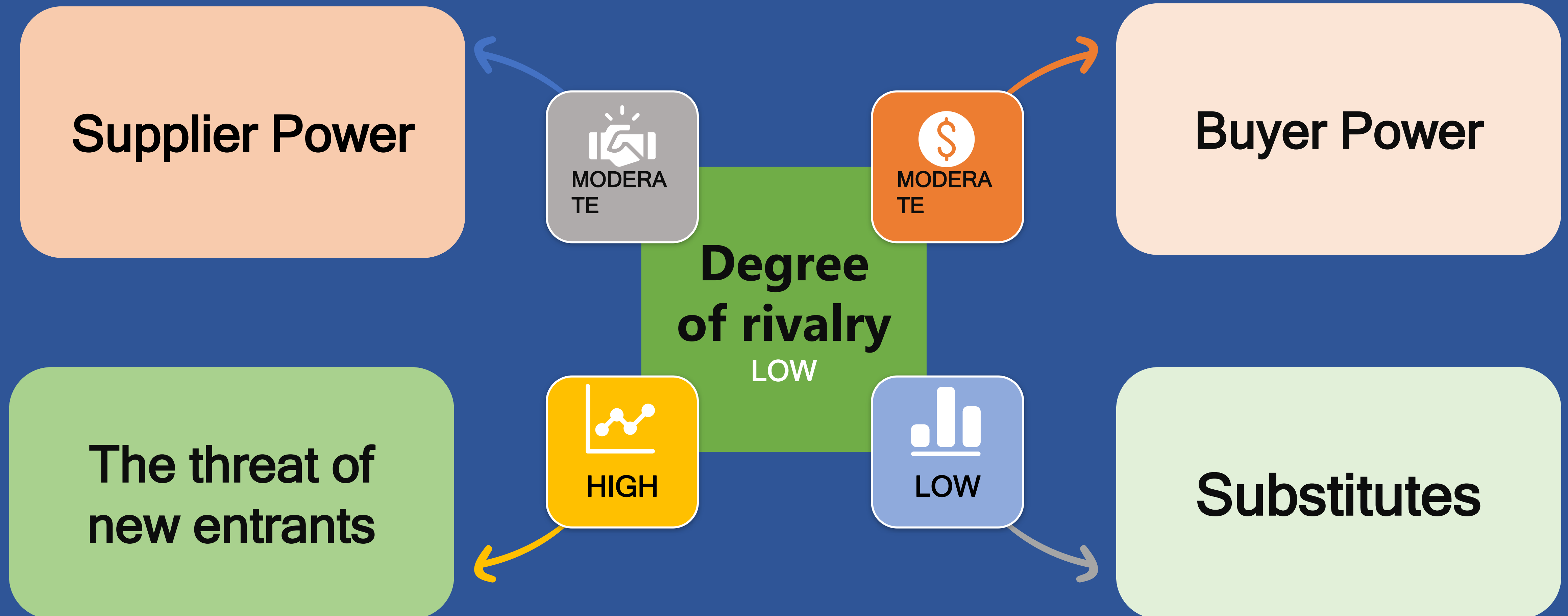
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# Porter's 5 Forces





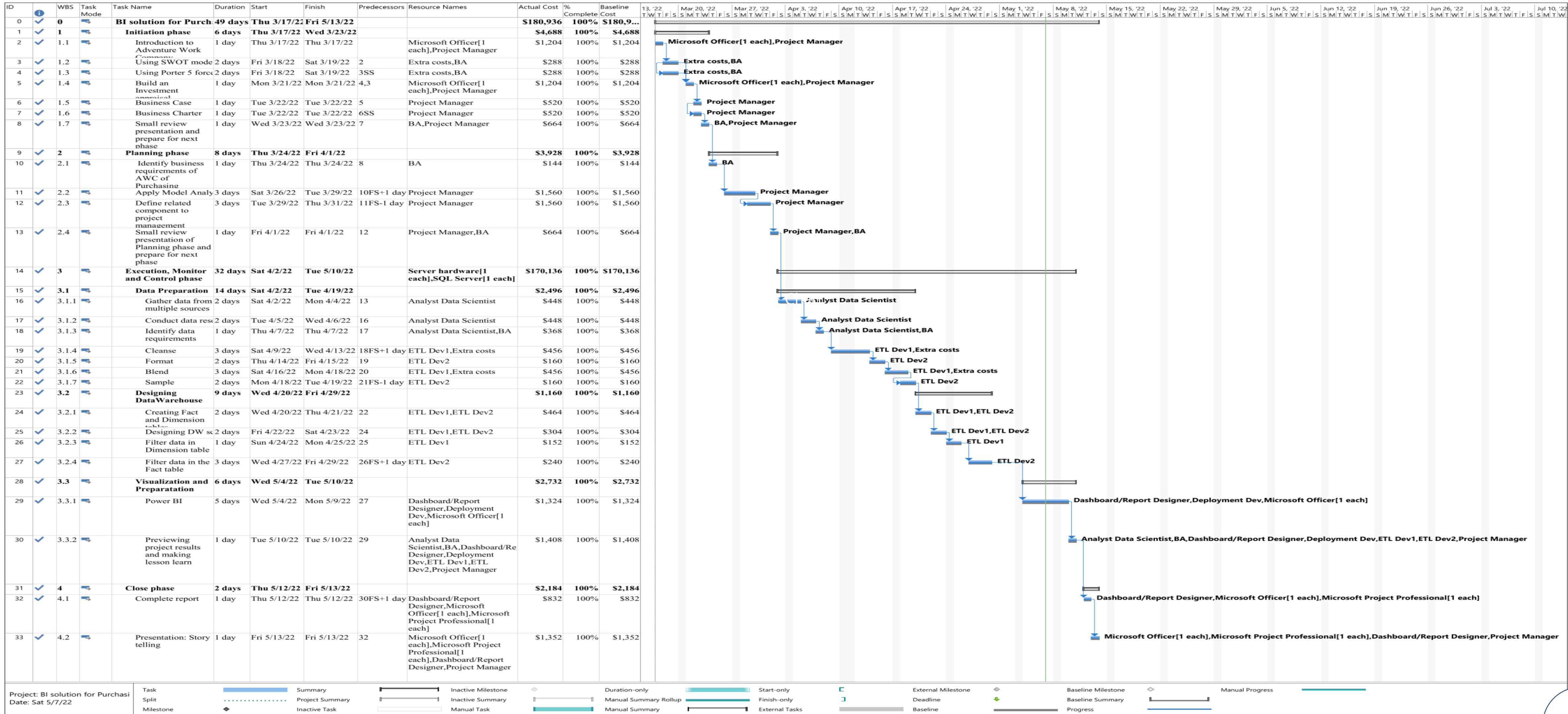
# Major requirements

- 
-  1. Inventory management
  -  2. Improving Product quality management
  -  3. Supplier quality assessment
  -  4. Monthly report
  -  5. Ship Method comparison to support decision making

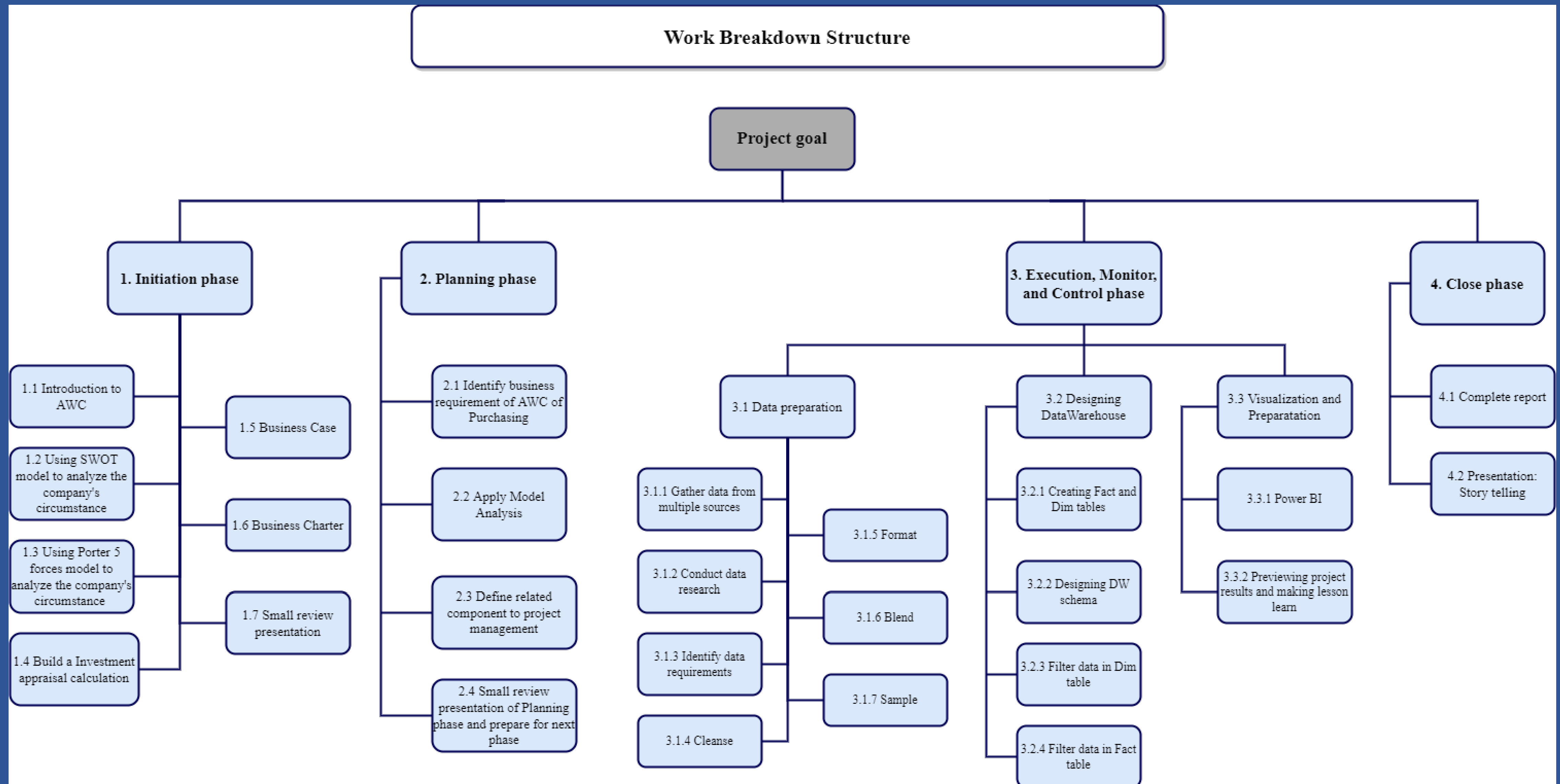
# Project scope statement



# Gantt Chart

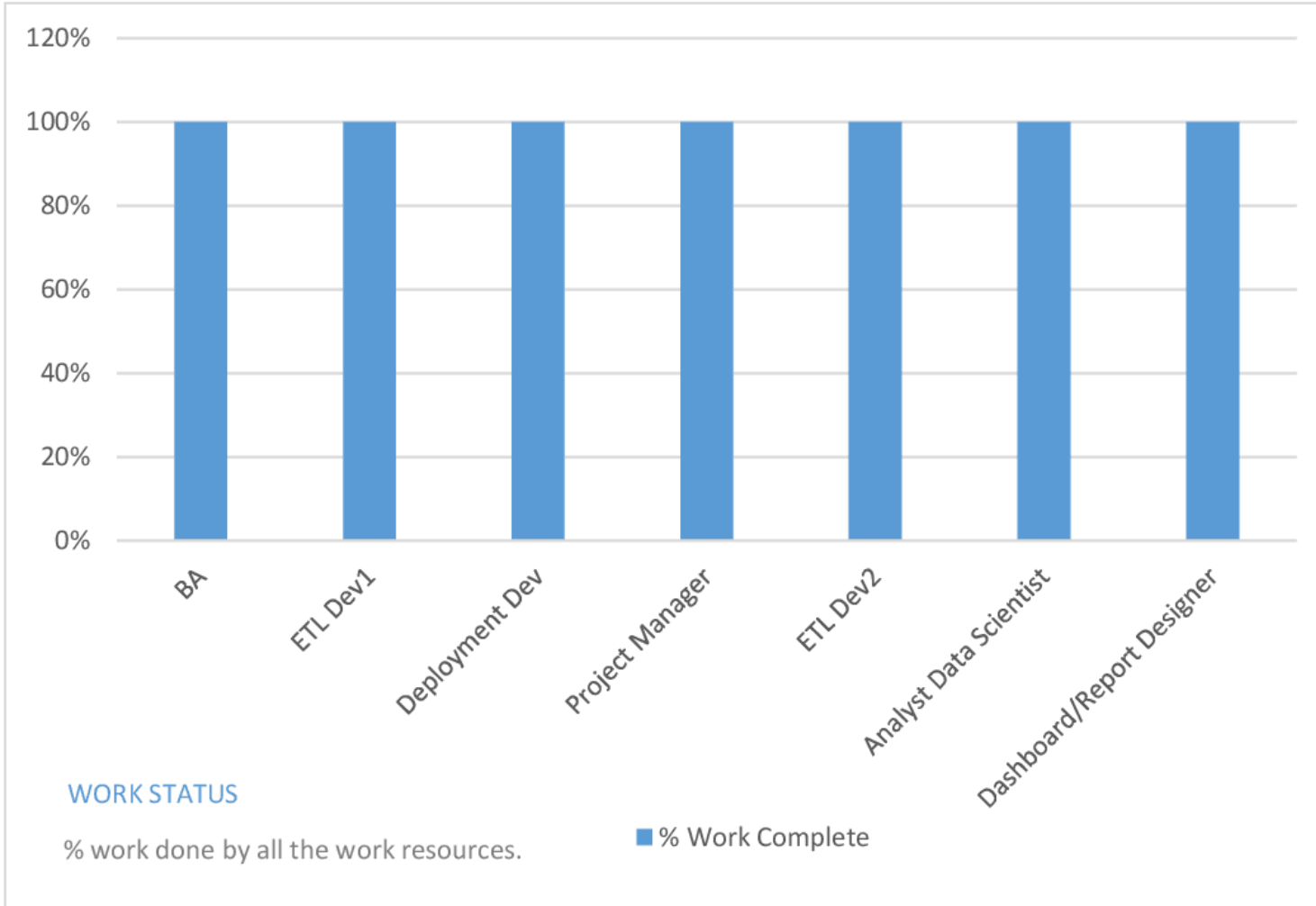
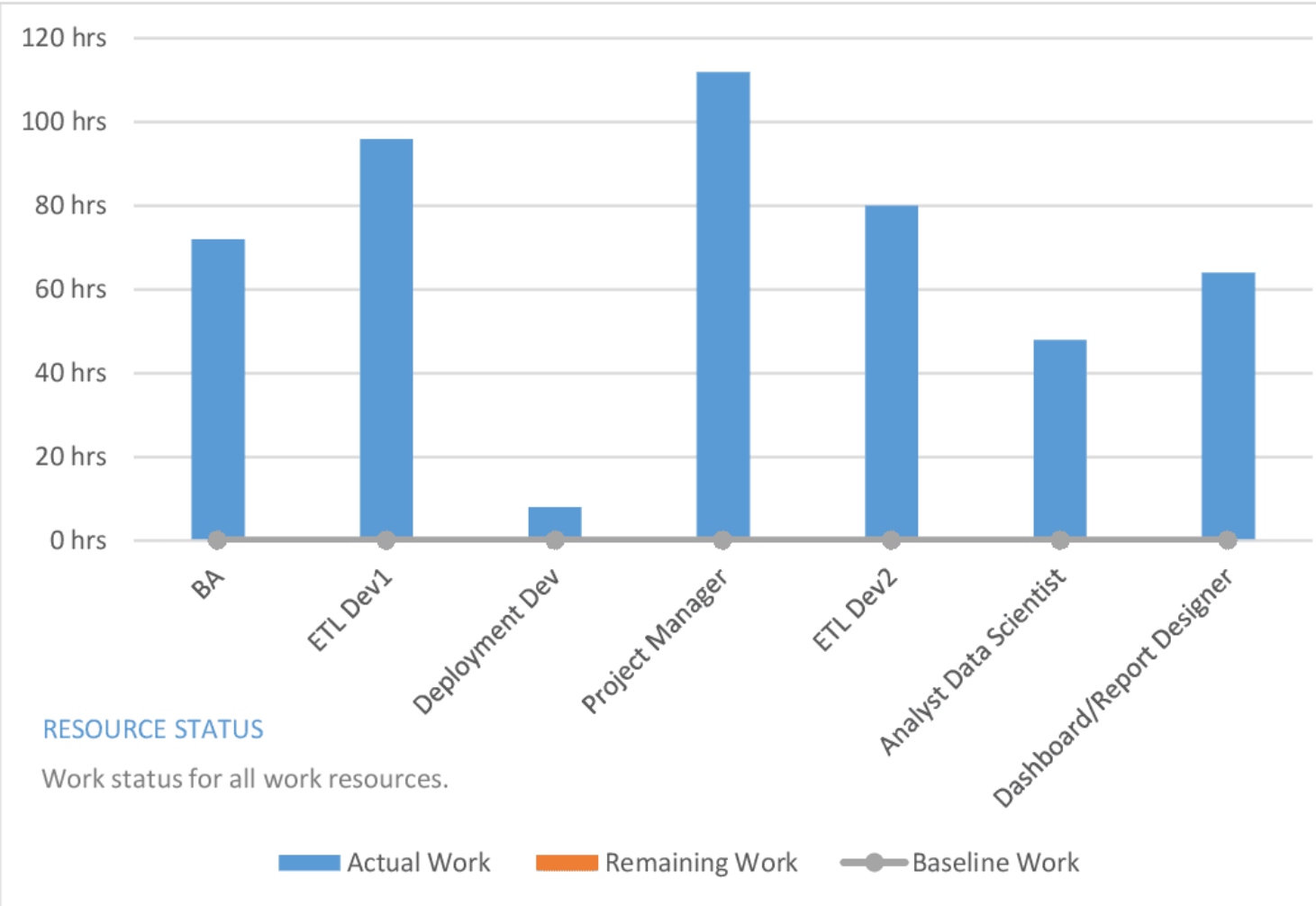


# Work Breakdown Structure



# Resource Overview

## RESOURCE OVERVIEW



Name	Start	Finish	Remaining Work
BA	Fri 3/18/22	Tue 5/10/22	0 hrs
ETL Dev1	Sat 4/9/22	Tue 5/10/22	0 hrs
Deployment Dev	Wed 5/4/22	Tue 5/10/22	0 hrs
Project Manager	Thu 3/17/22	Fri 5/13/22	0 hrs
ETL Dev2	Thu 4/14/22	Tue 5/10/22	0 hrs
Analyst Data Scientist	Sat 4/2/22	Tue 5/10/22	0 hrs
Dashboard/Report Designer	Wed 5/4/22	Fri 5/13/22	0 hrs

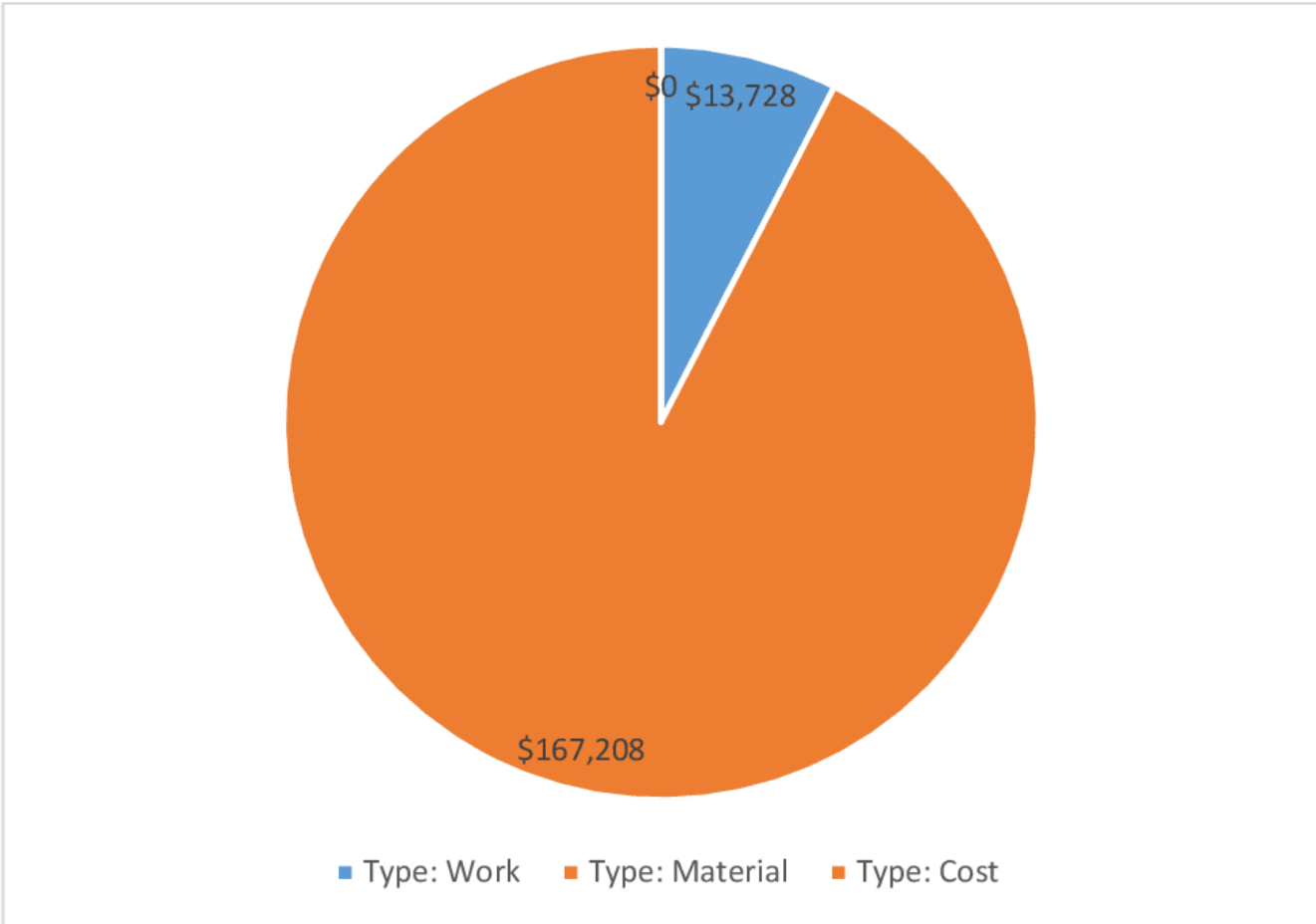
RESOURCE STATUS

Remaining work for all work resources.

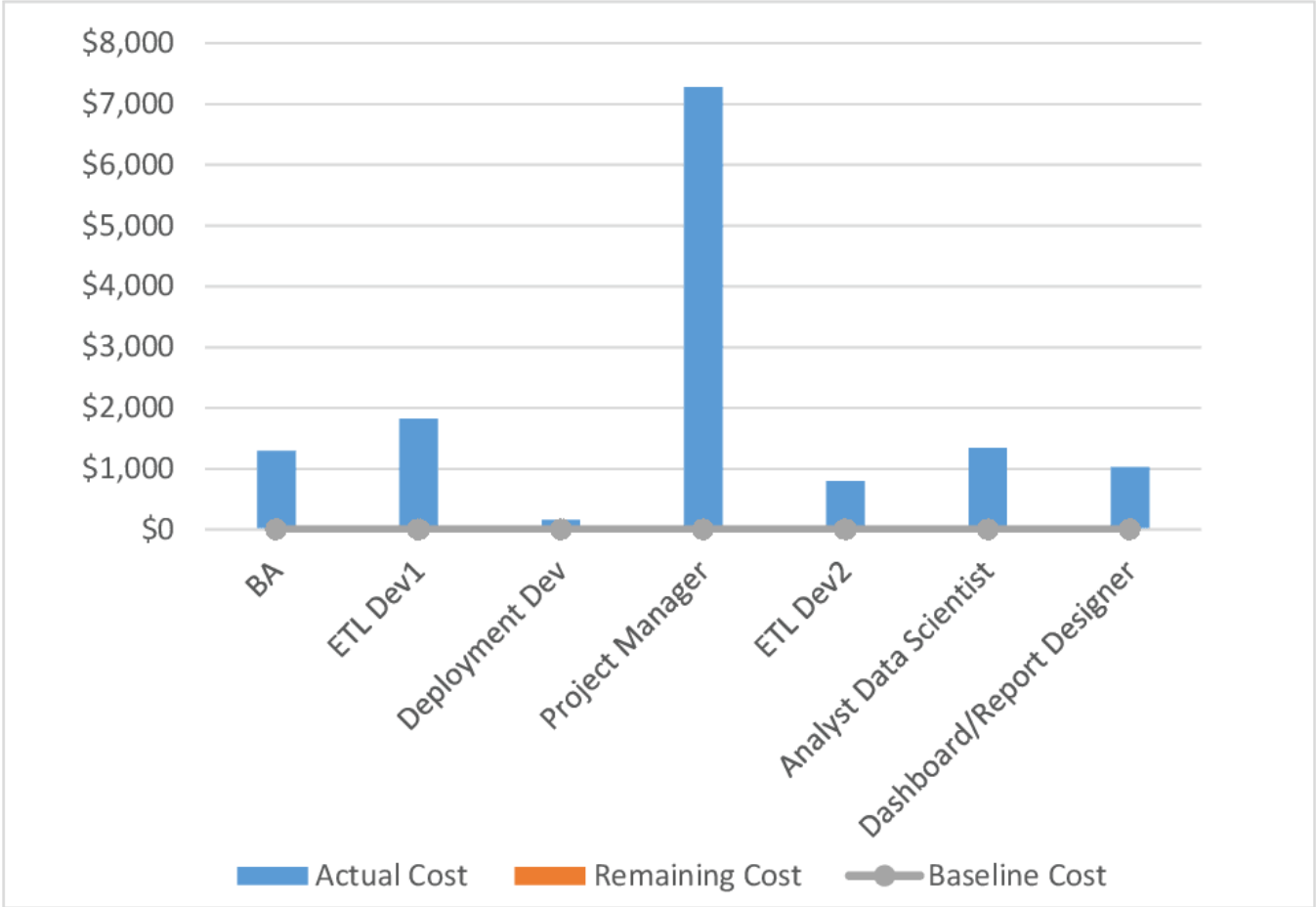


# Resource Cost Overview

## RESOURCE COST OVERVIEW



**COST DISTRIBUTION** How costs are spread out amongst different resource types.

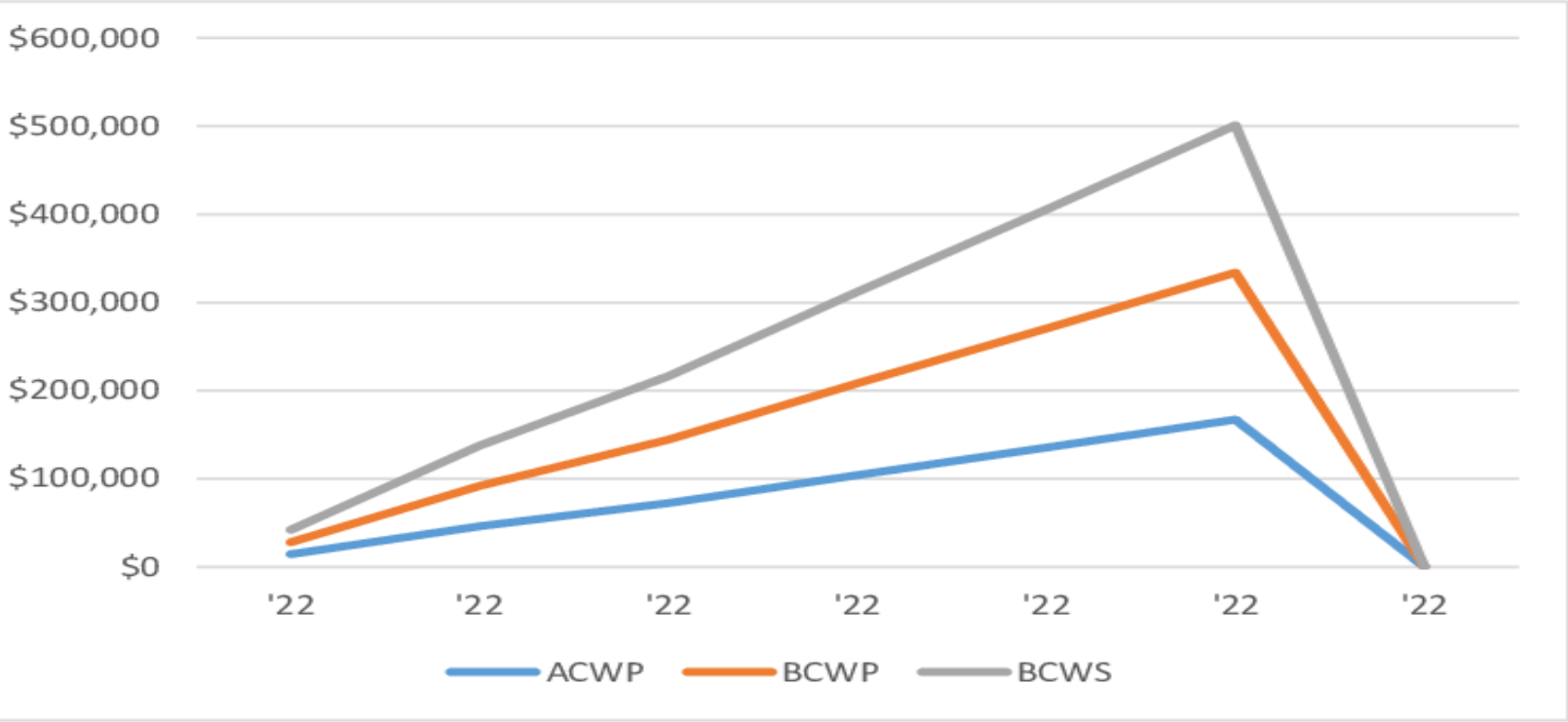


**COST STATUS** Cost status for work resources.

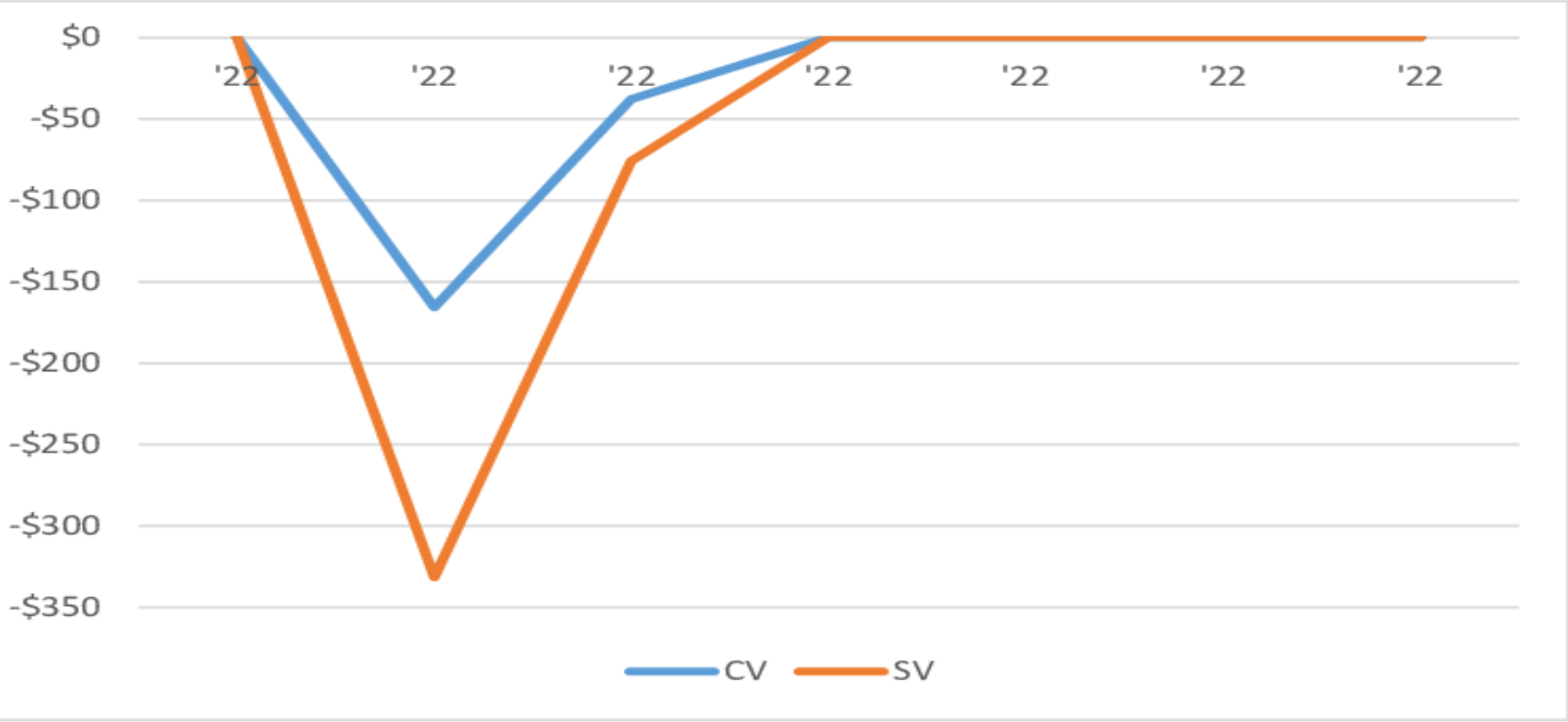
Name	Actual Work	Actual Cost	Standard Rate
BA	72 hrs	\$1,296	\$18/hr
ETL Dev1	96 hrs	\$1,824	\$19/hr
Deployment Dev	8 hrs	\$160	\$20/hr
Project Manager	112 hrs	\$7,280	\$65/hr
ETL Dev2	80 hrs	\$800	\$10/hr
Analyst Data Scientist	48 hrs	\$1,344	\$28/hr
Dashboard/Report Designer	64 hrs	\$1,024	\$16/hr

**COST DETAILS**  
Cost details for all work resources.

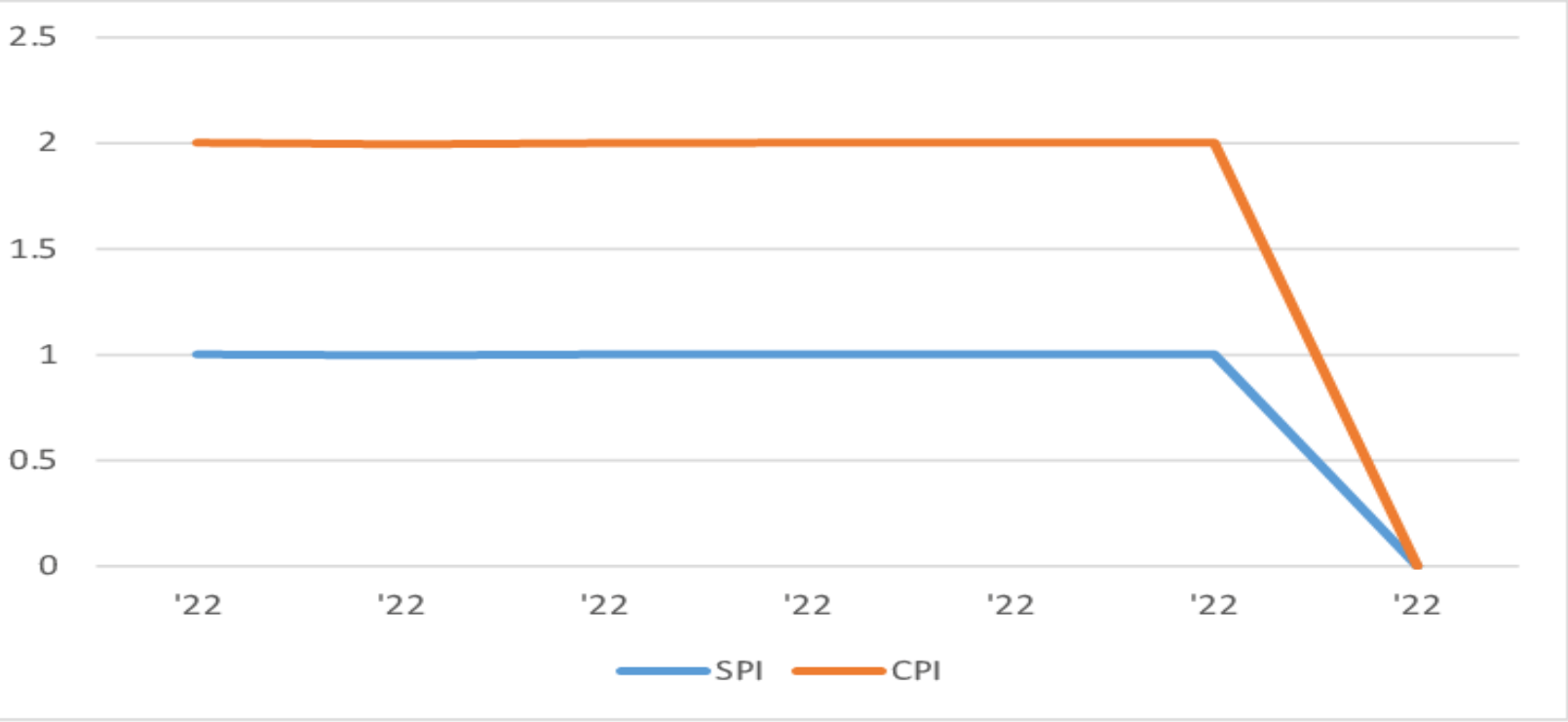
EAC	ACWP	BCWP
\$14,457	\$13,331	\$166,845



**EARNED VALUE OVER TIME**  
 The project’s earned value based on the status date. If actual cost (ACWP) is higher than earned value (BCWP), then the project is over budget. If planned value (BCWS) is higher than earned value, then the project is behind schedule.



**VARIANCE OVER TIME**  
 Cost and schedule variances for the project based on status date. If CV is negative then, the project is over budget. If SV is positive then the project is behind schedule.



**INDICES OVER TIME**  
 Cost and schedule performance indices for the project based on status date. The greater the performance index, the more on schedule and cost saving the project.

# Earned Value Overview

## The ambiguity of the request



**Customer**

**I don't understand what you're saying.**

**Sorry, I will give you an example to make it easier for you to.**

**I understand, your example is great.**



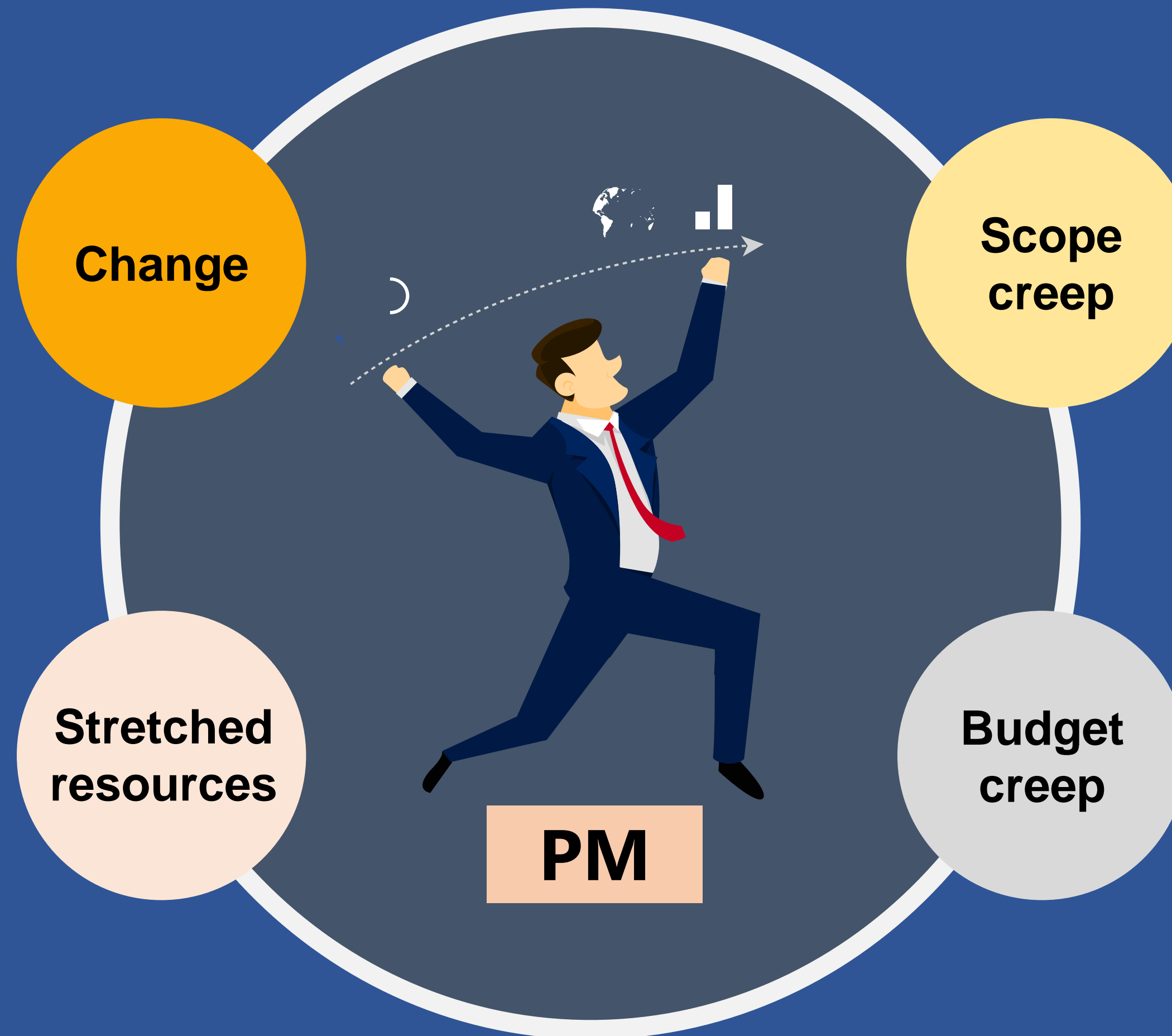
**BA**

**Make some hypothetical cases to give customers reference, then follow the available samples.**

# The problems the project manager needs to solve

Through the implementation process, there will be many points of change that may make them unable to adapt in time or feel like a waste of time

Team members have the ability to cause delays in a task due to personal reasons such as health (due to the COVID-19 situation),... resulting in the delay of related tasks.



The internal disagreement of the partner company causes the project requirements to increase and be inconsistent.

PM's inexperience in cost planning can cause costs to exceed the project budget.



**Developers lack key skills**



**Don't worry, we will train you.**



**Spend a part of the cost to train personnel right from the start, create a separate training program for the project**



# “ LESSON LEARN “



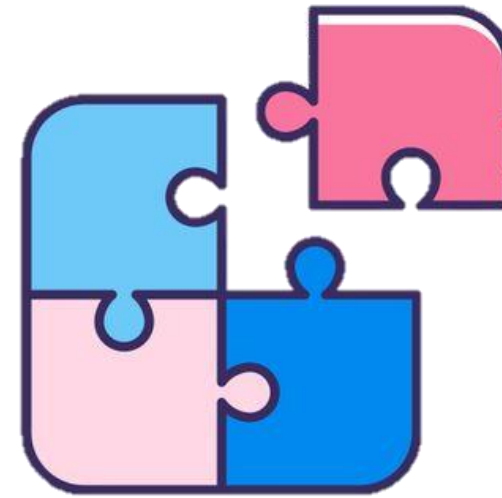


# What could have been done better ?





Lack of skill



Cannot meet the need of the job requirement



Learn clearly about the skills of project team members

# LACK OF SKILL



# PROJECT COST ESTIMATION INACCURACY



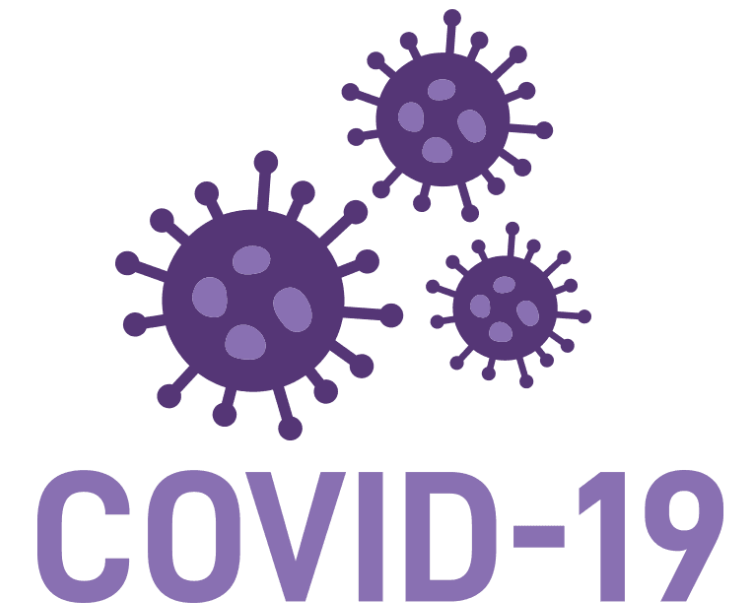
Additional costs

Project cost estimation  
inaccuracy

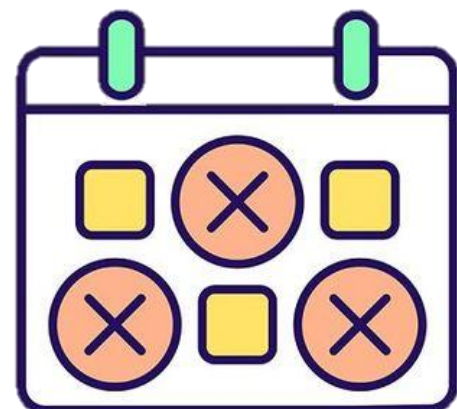
Needs to more carefully  
about the costs incurred  
(internal or external factors)



# THE DELAY OF SOME TASKS



A member infected with  
COVID-19



The work delayed for one  
days → Some tasks delayed



Redesign the  
schedule



Work from home  
effectively





# LACK OF EXPERIENCE



Lack of the opportunity to  
carry out similar projects



Present the issues  
that occur throughout



Review the work  
progress

# LACK OF REQUIREMENT INFORMATION



Detailed requirements  
given do not provide  
enough information



Clearly define the  
necessary information



Proactive spirit



What worked Well?



# USED NEW TECHNOLOGY



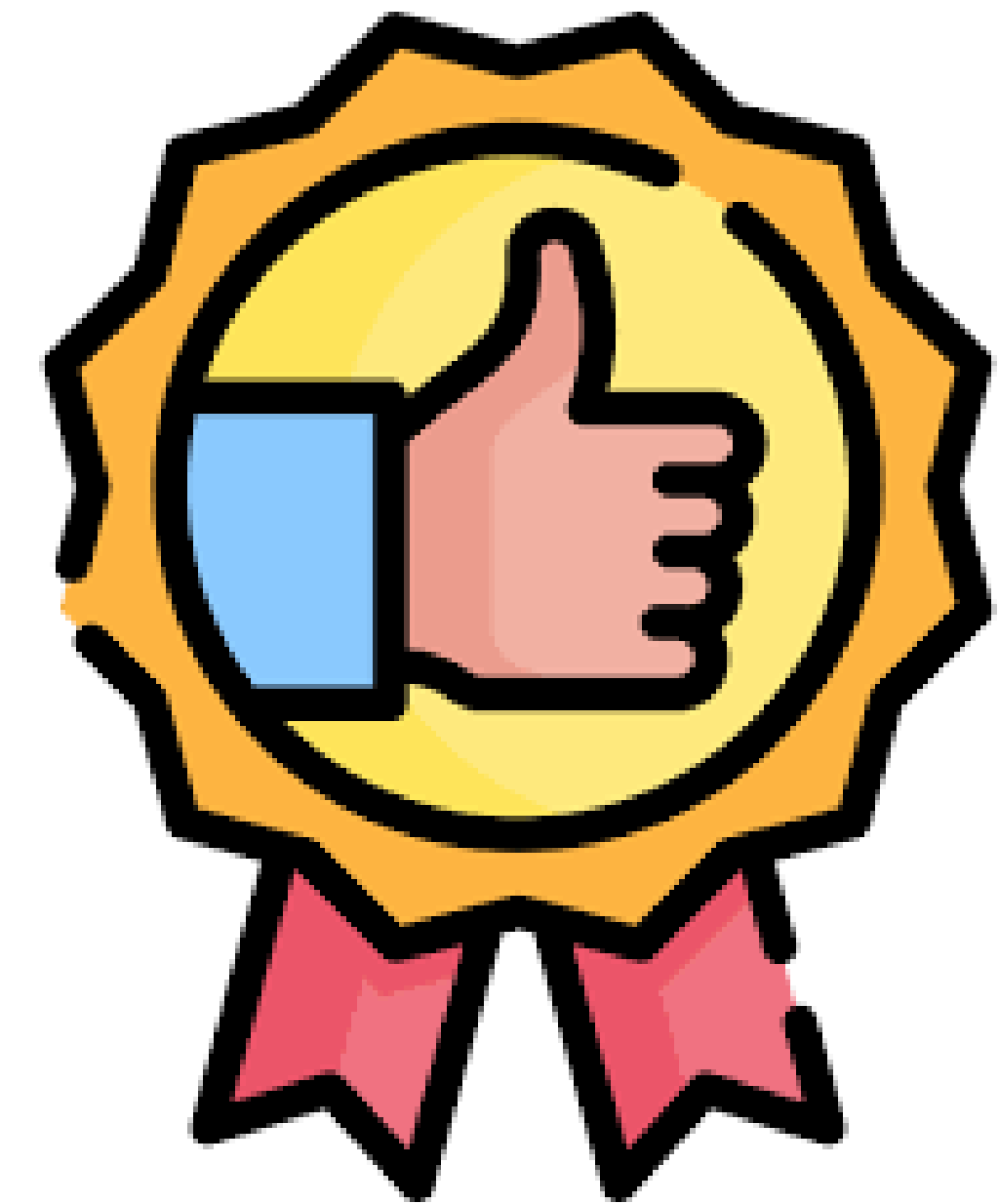
Learn to use new  
technology



Selected the  
suitable technology



# TEAM MEMBER WORK'S SPIRIT



Spirit of cooperation, not afraid  
to explore and learn

Work better





# RISK MANAGEMENT



Create a risk log

Reduce risks

Provide timely and effective solutions



# THE END

Thanks for listening