



**FACULTY OF INFORMATION & COMMUNICATION TECHNOLOGY**

**BITI 2513**

**ARTIFICIAL INTELLIGENCE PROJECT MANAGEMENT**

**ASSIGNMENT 2 : AI PROJECT WBS**

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## Assignment 2: AI Project WBS

As a Project Manager and team member of your artificial intelligence (AI) project selected, you need to understand the Work Breakdown Structure (WBS) project clearly. You also need to establish a formal understanding with your team member, sponsor and key stakeholders about the project needs to be fulfilled.

Show an example of the 6 stages representation of WBS template below and illustrates your WBS view to support your AI Project

# WORK BREAKDOWN STRUCTURE (WBS):

PROJECT TITLE:

PROJECT MANAGER:

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**PROJECT TITLE : GENDER DETECTION WITH COMPUTER VISION**  
**PROJECT MANAGER : MUHAMED HUSSAIN BIN HITHAYATULLAH**

**CONTENTS**

**Outline view :**

1. Computer Vision-Based Gender Detection
  - 1.1 Initiation
    - 1.1.1 Conduct analysis on the problem
    - 1.1.2 Compose a team
    - 1.1.3 Submit proposal
  - 1.2. Planning
    - 1.2.1 Set milestone
    - 1.2.2 Get resource
    - 1.2.3 Gather data
    - 1.2.4 Develop Work Breakdown Structure (WBS)
    - 1.2.5 Develop Gantt Chart
    - 1.2.6 Budget Management
    - 1.2.7 Assigning tasks to group members
    - 1.2.8 Planning and survey
  - 1.3 Implementation
    - 1.3.1 Develop and implement the project
    - 1.3.2 Monitor and control process
    - 1.3.3 Hold weekly team meetings
    - 1.3.4 Manage and solve errors and problems
    - 1.3.5 Evaluate project performance
    - 1.3.6 Testing
  - 1.4 Closure
    - 1.4.1 Evaluate the project result
    - 1.4.2 Do maintenance

- 1.4.3 Evaluate team performance
- 1.4.4 Present to client
- 1.4.5 Submit project report

### **Hierarchical Structure**

Level	WBS Code	Task Name
1	1	Gender Detection With Computer Vision
2	1.1	Initiation
3	1.1.1	Conduct analysis on the problem
3	1.1.2	Compose a team
3	1.1.3	Submit proposal
2	1.2	Planning
3	1.2.1	Set milestone
3	1.2.2	Get resource
3	1.2.3	Gather data
3	1.2.4	Develop Work Breakdown Structure (WBS)
3	1.2.5	Develop Gantt Chart
3	1.2.6	Budget Management
3	1.2.7	Assigning tasks to group members
3	1.2.8	Planning and survey
2	1.3	Implementation
3	1.3.1	Develop and implement the project
3	1.3.2	Monitor and control process
3	1.3.3	Hold weekly team meetings
3	1.3.4	Manage and solve errors and problems
3	1.3.5	Evaluate project performance

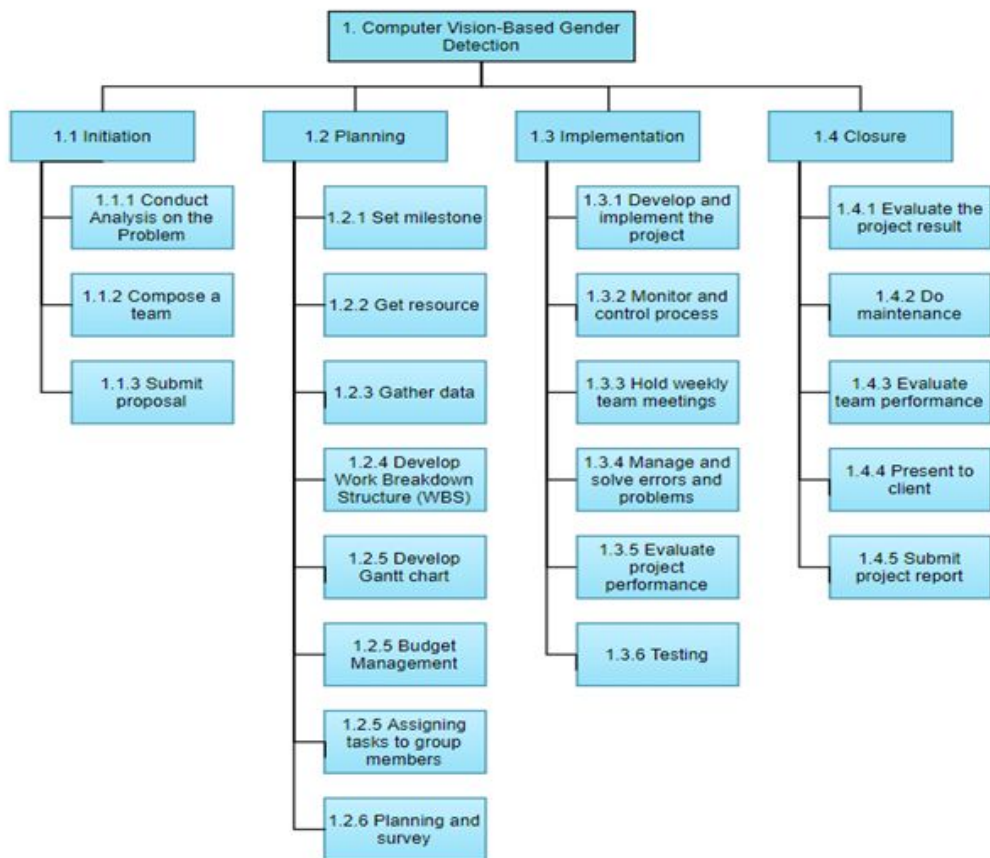
3	1.3.6	Testing
2	1.4	Closure
3	1.4.1	Evaluate the project result
3	1.4.2	Do maintenance
3	1.4.3	Evaluate team performance
3	1.4.4	Present to client
3	1.4.5	Submit project report

**Tabular view**

Level 1	Level 2	Level 3
1 Gender Detection With Computer Vision	1.1 Initiation	1.1.1 Conduct analysis on the problem 1.1.2 Compose a team 1.1.3 Submit proposal
	1.2 Planning	1.2.1 Set milestone 1.2.2 Get resource 1.2.3 Gather data 1.2.4 Develop Work Breakdown Structure (WBS) 1.2.5 Develop Gantt Chart 1.2.6 Budget Management 1.2.7 Assigning tasks to group members 1.2.8 Planning and survey

	1.3 Implementation	1.3.1 Develop and implement the project 1.3.2 Monitor and control process 1.3.3 Hold weekly team meetings 1.3.4 Manage and solve errors and problems 1.3.5 Evaluate project performance 1.3.6 Testing
	1.4 Closure	1.4.1 Evaluate the project result 1.4.2 Do maintenance 1.4.3 Evaluate team performance 1.4.4 Present to client 1.4.5 Submit project report

## Tree Structure View





### WBS Dictionary

Level	WBS Code	Task Name	Definition
1	1	Gender Detection With Computer Vision	All tasks that are involved in developing the project.
2	1.1	Initiation	Tasks that are related to the start and initialization of the project
3	1.1.1	Conduct analysis on the problem	Studying the problem before beginning development
3	1.1.2	Compose a team	Project Manager compose a team to develop the project
3	1.1.3	Submit proposal	Prepare and submit a proposal to client
2	1.2	Planning	Tasks that are involved in planning the project from start to finish
3	1.2.1	Set milestone	Setting a few achievable goals for the project
3	1.2.2	Get resource	Acquiring all necessary resources for the project

3	1.2.3	Gather data	Acquire the dataset used to train the model
3	1.2.4	Develop Work Breakdown Structure (WBS)	Developing the WBS to understand more about the tasks involved in the project
3	1.2.5	Develop Gantt Chart	Developing a detailed project schedule
3	1.2.6	Budget Management	Developing a budget management plan to prevent unnecessary costs
3	1.2.7	Assigning tasks to group members	To make sure every group member has an assigned task
3	1.2.8	Planning and survey	Developing a survey project plan to help focus plan objectives, and prepare for data analysis
2	1.3	Implementation	Tasks related to programming the project
3	1.3.1	Develop and implement the project	Creating and developing the code for the project
3	1.3.2	Monitor and control process	Continuously monitoring working group members and ensure the work quality is good
3	1.3.3	Hold weekly team meetings	To assign tasks and get an update on the project each week.
3	1.3.4	Manage and solve errors and problems	Troubleshooting small errors in the system.
3	1.3.5	Evaluate project performance	Testing systems performance if it's working as it's intended to.
3	1.3.6	Testing	Tasks related to testing the end product

2	1.4	Closure	Closing the project for final presentation.
3	1.4.1	Evaluate the project result	Clarifying if the results are accurate.
3	1.4.2	Do maintenance	Fixing bugs and updating systems.
3	1.4.3	Evaluate team performance	Evaluating each team members performance and involvement in/on the project
3	1.4.4	Present to client	Presenting the final system to the client.
3	1.4.5	Submit project report	Submit a final report containing all information regarding the project from planning to closure.

## **Glossary of Terms**

**WBS** : A deliverable-oriented breakdown of a project into smaller components.

**Deliverables** : Identify the product, service or results created when all of the work in this Work Package is complete. Include any critical intermediate deliverables.

**Milestones** : List any Start Dates, End Dates, Intermediate Milestones, Constraints, Interdependencies and any assumption for the deliverables.

**Budget**: Designate the budget for this Work Package, plus any critical resource information and assumptions.

**Computer-Vision** : An interdisciplinary scientific field that deals with how computers can gain high-level understanding from digital images or videos (Data).