FACULTY OF INFORMATION & COMMUNICATION TECHNOLOGY

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BITI3533 ARTIFICIAL INTELIGENCE PROJECT MANAGEMENT

FIRE DETECTION USING COMPUTER VISION

ASSIGNMENT 2

AI PROJECT WBS

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Level	WBS Code	Element Name
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2	1.1	Initiation
4	1.1.1.1	Project Management
4	1.1.1.2	Scope Narrative
4	1.1.1.3	Deliverable Structure
4	1.1.1.4	Flow Diagram
3	1.1.2	Research
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2	1.3	Execution
3	1.3.1	Procurement Management
3	1.3.2	Track and Tasks Management
3	1.3.3	Project Tasks Execution
3	1.3.4	KPIs Management
3	1.3.5	Project Update
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Level 1	Level 2	Level 3
1. Fire Detection using Computer Vision	1.1 Initiation	1.1.1. Project Management 1.1.1.1 Scope Narrative 1.1.1.2 Deliverable Structure 1.1.1.3 Flow Diagram 1.1.2. Research 1.1.3. Stakeholder 1.1.4. Project Initiation
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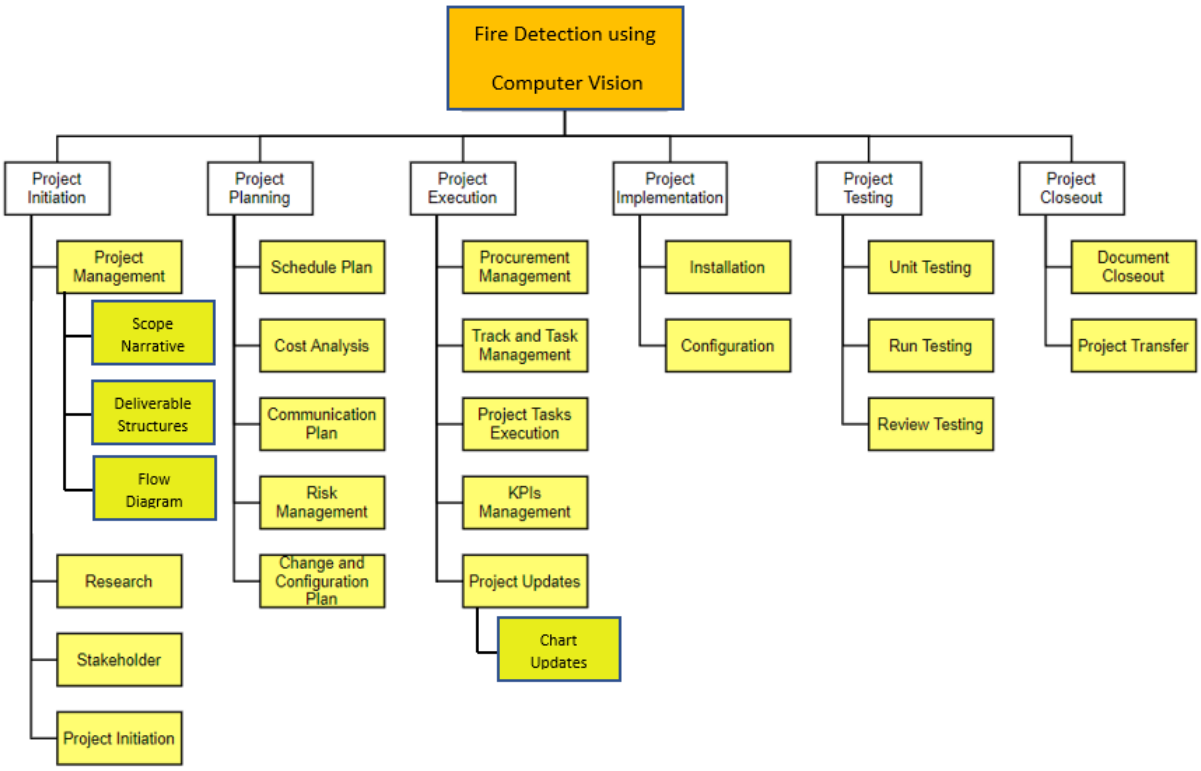
1.4 Tree Structure View



1.5 WBS Dictionary

Level	WBS Code	Element Name	Definition
1	1	Fire Detection using Computer Vision	New project of a fire detection system.
2	1.1	Initiation	Management works to start the project.
4	1.1.1.1	Project Management	Divide tasks between team members.
4	1.1.1.2	Scope Narrative	Discuss about the scope of the system.
4	1.1.1.3	Deliverable Structure	Design the fire detection system that can be easily used.
4	1.1.1.4	Flow Diagram	Make a step-by-step process.
3	1.1.2	Research	Do research on fire alarm (find datasets, types of CCTV, etc).
3	1.1.3	Stakeholder	Engaging with the stakeholders to take notes about their needs and expectations.
3	1.1.4	Project Initiation	Start developing the project
2	1.2	Planning	Plan about the structure of the system.
3	1.2.1	Schedule Plan	Making a timeline for the system from start until the end.
3	1.2.2	Cost Analysis	Find out how much the system is going to cost.
3	1.2.3	Communication Plan	Making sure company's message will be heard by consumers (stakeholders).
3	1.2.4	Risk Management	Find out the risks that might happened during system development.
3	1.2.5	Change and Configuration Plan	Make back up plans if problems appear.

2	1.3	Execution	When the system is ready, it is time to check the performance by executing it.
3	1.3.1	Procurement Management	Need to find good quality materials from vendor.
3	1.3.2	Track and Tasks Management	Check if work that needs to be done has been done according to the timeline.
3	1.3.3	Project Tasks Execution	Making sure all the tasks has been executed.
3	1.3.4	KPIs Management	Monitoring the performance of the system.
3	1.3.5	Project Update	Project improvements.
4	1.3.5.1	Chart Updates	Updating any data on the chart.
2	1.4	Control	Controlling and monitoring the system.
3	1.4.1	Installation	Installing the system to area needed (housing areas).
3	1.4.2	Configuration	Happens when problem appear or if there are any updates.
2	1.5	Testing	Test the system in real scenario.
3	1.5.1	Unit Testing	Team members that will test the system.
3	1.5.2	Run Testing	Run the system to test if it is working properly.
2	1.6	Closeout	Finalizes all project activities in all phases.
3	1.6.1	Document Closeout	Summarizes all the project records in a document form.
3	1.6.2	Project Transfer	System is ready to be use and will be handed to the clients.

1.6 Glossary of Terms

For example, what the PMI Practice Standard for Work Breakdown Structures refers to as the WBS code is widely referred to as the WBS number.

Level of Effort:

Level of Element (LOE) is how much preparation is required to accomplish a project.

WBS Code:

A unique identifier that is assigned to each element in a Work Breakdown Structure in order to define the hierarchical position of elements within the WBS.

Work Package:

At the lowest level of its WBS branch, a Work Package is a deliverable or work feature in Tree Structure View.

WBS Component:

A part of a WBS that is located at every level as there is no limit on what a WBS component is, it may be a Work Package or a WBS Element.

WBS Element:

A WBS Element is a single WBS element placed anywhere within a WBS and its related attributed component. The WBS element may contain work, or it may contain other WBS Element as well as Work Packages.