



FACULTY OF INFORMATION & COMMUNICATION TECHNOLOGY

SEMESTER 1 SESSION 2020/2021

BITI3533 ARTIFICIAL INTELLIGENCE PROJECT MANAGEMENT

FIRE DETECTION USING COMPUTER VISION

LAB 8

AOA & AON NETWORK

Prepared for:

PROF. TS. DR. GOH ONG SING

Prepared by:

NAME	MATRIC NO.	PROGRAMME
NUR IZZATI BINTI SHAFIE	B031910476	BITI
NUR'AIN NAJIHA BINTI ZAKARIA	B031910466	BITI
MEGALA D/O SONTULOM	B031910172	BITI

26<sup>th</sup> NOVEMBER 2020

## Lab 8- AOA & AON NETWORK

1. Based on your proposed AIProject, draw your Gantt chart with your timeline, milestone and description as given example at the Figure 1.

The Gantt charts should provide a standard format for displaying project schedule information by listing project activities and their corresponding start and finish dates in a calendar format include following Symbols:

- Black diamonds: Milestones
- Thick black bars: Summary tasks
- Lighter horizontal bars: Durations of tasks
- Arrows: Dependencies between tasks

# GANTT CHART

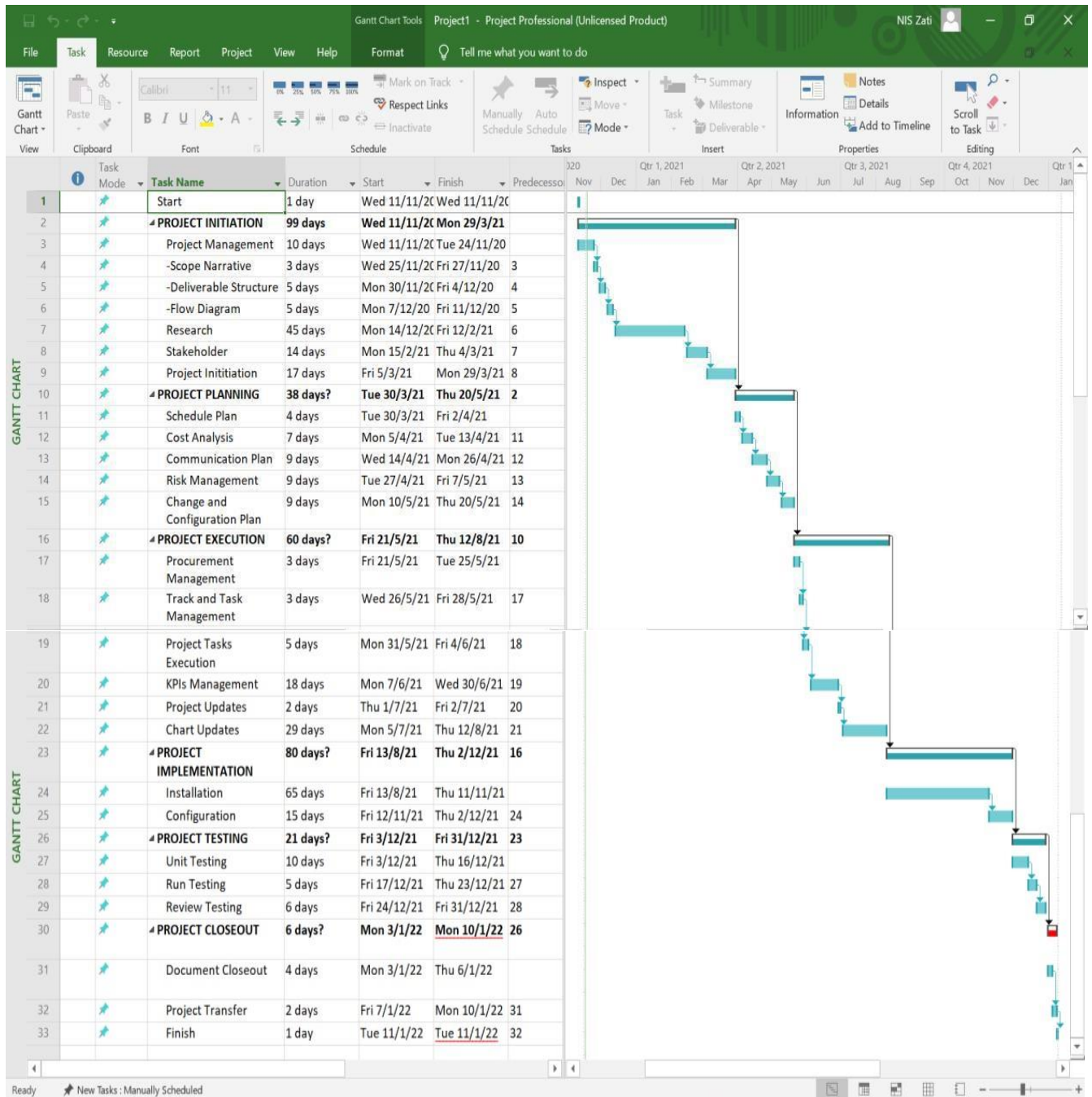
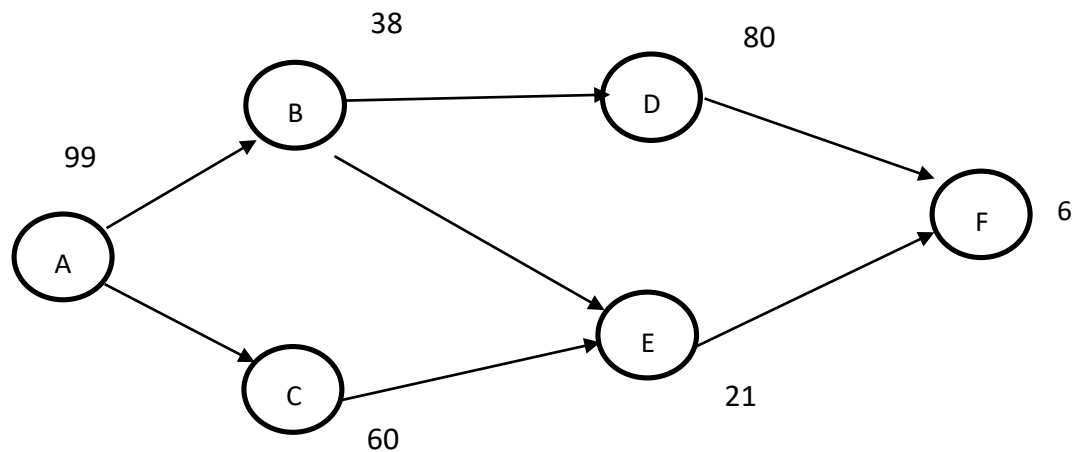


Figure 1: Gantt Chart

2. Identify each path Fire Detection Using Computer Vision project in Figure 1 and determine the Critical Path for Fire Detection Using Computer Vision Project.

**TABLE**

Activity/ Tasks	Predecessors	Duration
A = Project Initiation	-	99
B = Project Planning	2	38
C = Project Execution	10	60
D = Project Implementation	16	80
E = Project Testing	23	21
F = Project Closeout	26	6



**Note:** Assume all durations are in days

**Figure 2: Fire Detection Using Computer Vision Project**

**Path 1:** A-B-D-F , Length =  $99+38+80+6 = 223$  days

**Path 2:** A-B-E-F , Length =  $99+38+21+6 = 164$  days

**Path 3:** A-C-E-F , Length =  $99+60+21+6 = 186$  days

**\* The critical path is the longest path. So, the path 1 is the Critical Path for Fire Detection Using Computer Vision Project. Because it takes 223 days.**