



Lab 8

AIPM

Fake News Detection

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Lab 8- AOA & AON NETWORK

1. Given below is a Table WBS of RAMOV Project.

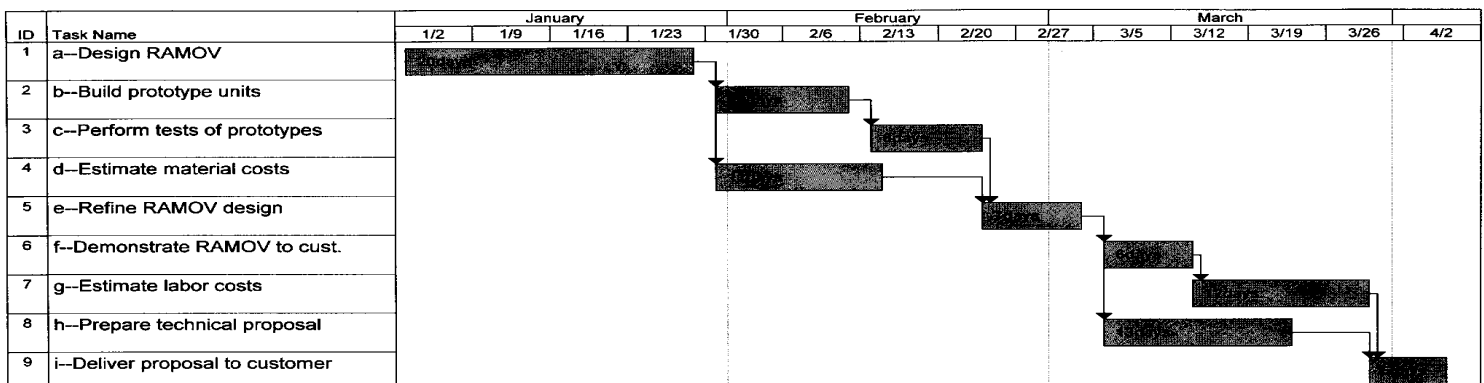
Based on your proposed AIProject, draw your Gantt chart with your timeline, milestone and description as given example at the Figure 1.

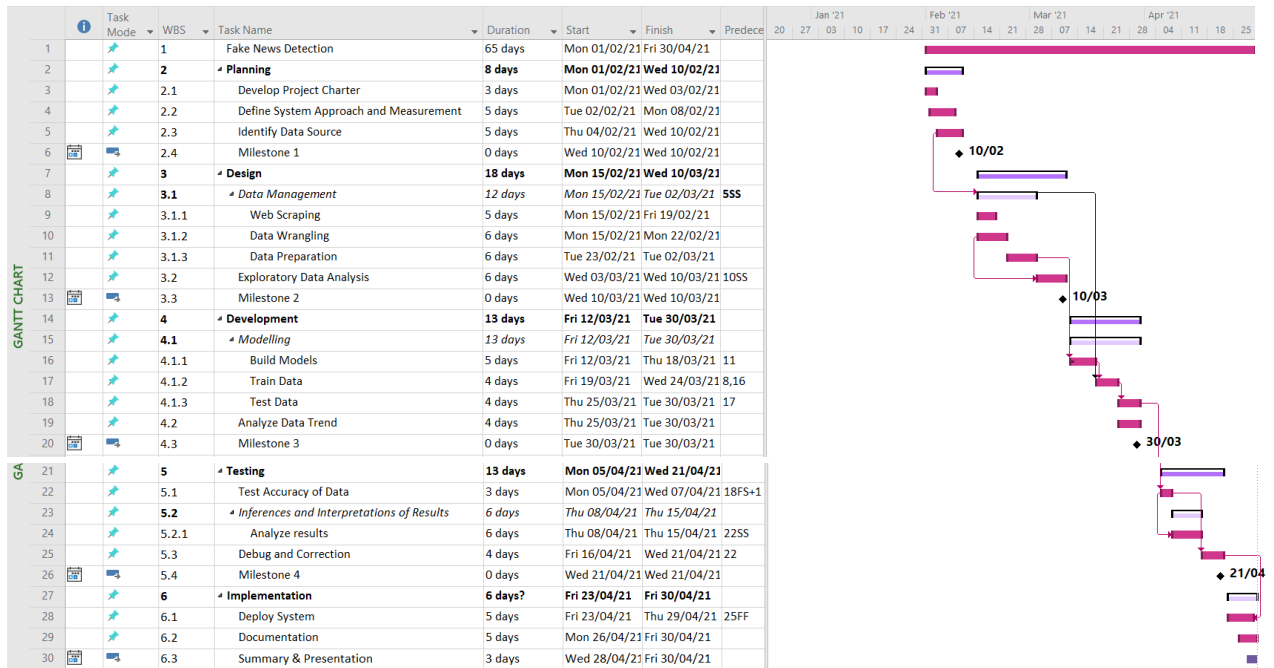
- The Gantt charts should provide a standard format for displaying project schedule information by listing project activities and their corresponding start and finish dates in a calendar format include following Symbols:
 - Black diamonds: Milestones
 - Thick black bars: Summary tasks
 - Lighter horizontal bars: Durations of tasks
 - Arrows: Dependencies between tasks

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1	a--Design RAMOV	20days	Mon 1/3/00	Fri 1/28/00		
2	b--Build prototype units	10days	Mon 1/31/00	Fri 2/11/00	1	
3	c--Perform tests of prototypes	8days	Mon 2/14/00	Wed 2/23/00	2	
4	d--Estimate material costs	11days	Mon 1/31/00	Mon 2/14/00	1	
5	e--Refine RAMOV design	7days	Thu 2/24/00	Fri 3/3/00	3,4	
6	f--Demonstrate RAMOV to cust.	6days	Mon 3/6/00	Mon 3/13/00	5	
7	g--Estimate labor costs	12days	Tue 3/14/00	Wed 3/29/00	6	
8	h--Prepare technical proposal	13days	Mon 3/6/00	Wed 3/22/00	5	
9	i--Deliver proposal to customer	5days	Thu 3/30/00	Wed 4/5/00	7,8	

Figure 1: RAMOV Project

Sample Gantt Chart





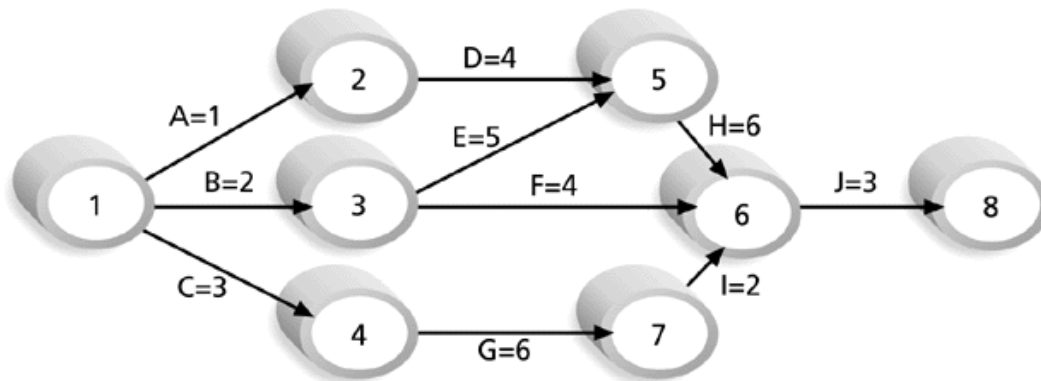
Milestones: ◆ 10/02

Summary task:

Duration of tasks:

Dependencies between tasks:

2. Identify each path for FTMK Artificial Intelligence Project in Figure 1 and determine the **Critical Path** for AIFTMK Project.



Note: Assume all durations are in days.

Figure 2: FTMK AI Project

Solution :-

i. Path 1

$$\begin{aligned} A, D, H, J &= 1 + 4 + 6 + 3 \\ &= 14 \text{ days} \end{aligned}$$

ii. Path 2

$$\begin{aligned} B, E, H, J &= 2 + 5 + 6 + 3 \\ &= 16 \text{ days} \end{aligned}$$

iii. Path 3

$$\begin{aligned} B, F, J &= 2 + 4 + 3 \\ &= 9 \text{ days} \end{aligned}$$

iv. Path 4

$$\begin{aligned} C, G, I, J &= 3 + 6 + 2 + 3 \\ &= 14 \text{ days} \end{aligned}$$

To conclude, the critical path for this FTMK AI project network diagram is on path 2, which is B-E-H-J = 16 days.