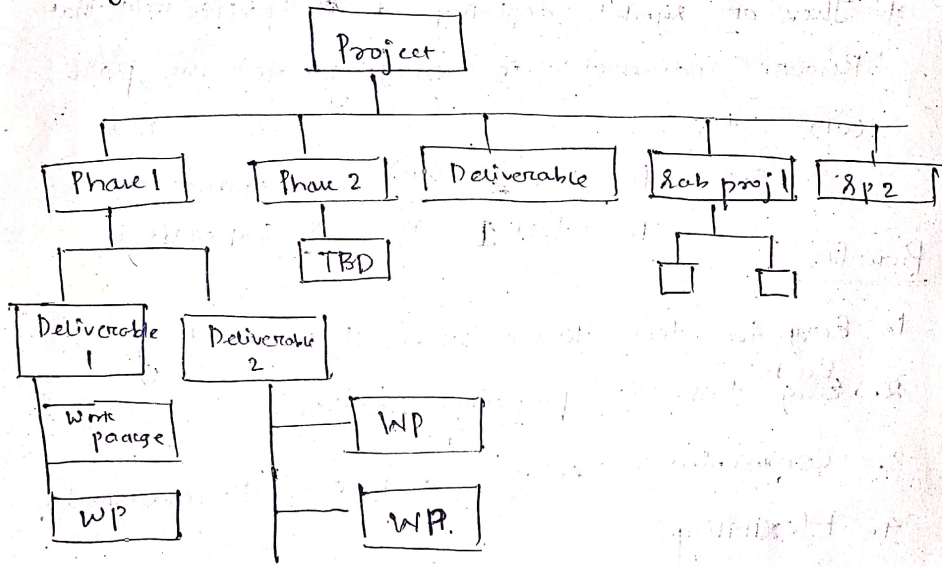
Module - II

WBS

Defn: Deliverable - Oriented hierarchical decomposition of the work to be 'executed' by the team to accomplish the project objectives and create the required deliverables.

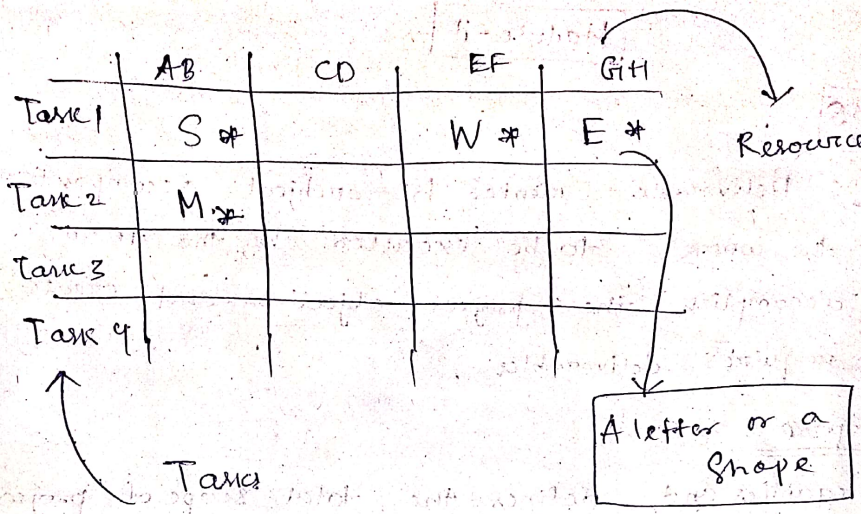
Purpose

Organizes and defines the total scope of project



LRC: Linear Responsibility Chart

A LRC ties your WBS, the tasks, ~~the~~ or activities you need to do on your project to the resources that are going to do it: In particular the individuals, the people



* There are symbols depicting a specific role that Resource (individual) is playing for the particular task.

e.g. For task 2 (AB) is a manager
For task 1 " " supervisor

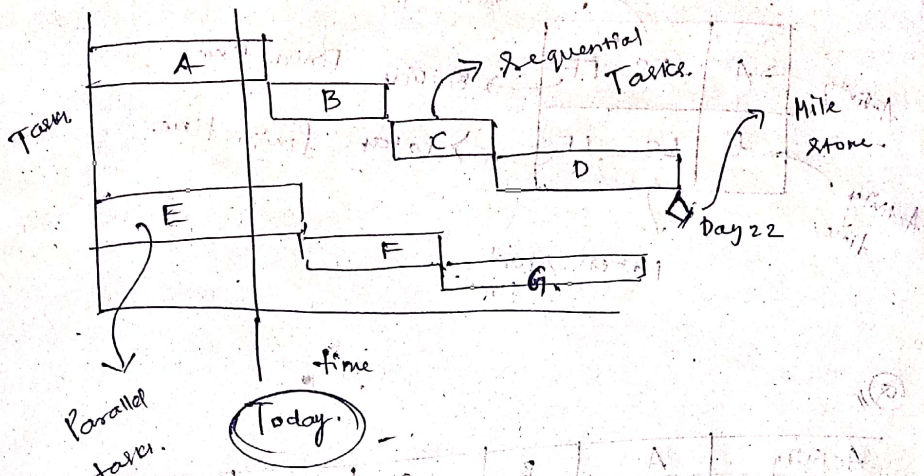
Benefits

1. Easy for team to see what they are doing.
2. Each task is properly specified.
3. Communicates easily and easy to understand.
4. Flexibility
5. Allows budget Estimation
6. Very easy to do on a peice of paper or spread sheet.

Gantt Chart

Time :- Horizontal axis

Activities / tasks :- Vertical axis



Gantt Chart :-

Represent your project plan by making each task into a bar and putting those bars into a time schedule.

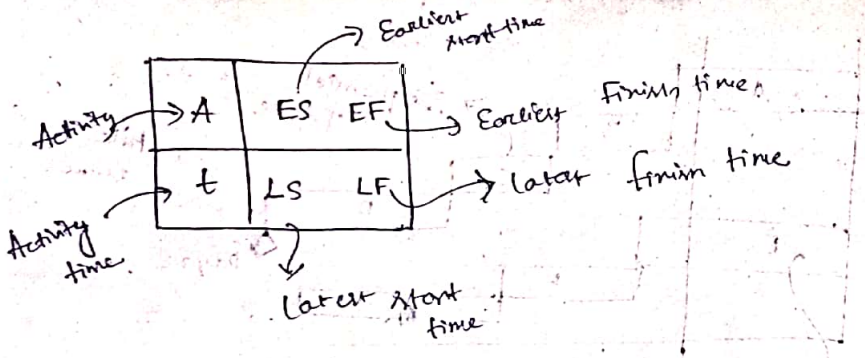
⊕ Progress tracking & Progress Reporting.

⊖ Planning and Organizing

↳ Bcz no lines
No interdependencies.

CPM

① Specify each activity
② Sequence the activities.
③ Draw Network diagram.
④ Estimate Activity Durn
⑤ Identify the Critical Path. (Longest route through network).
⑥ Use to show progress.

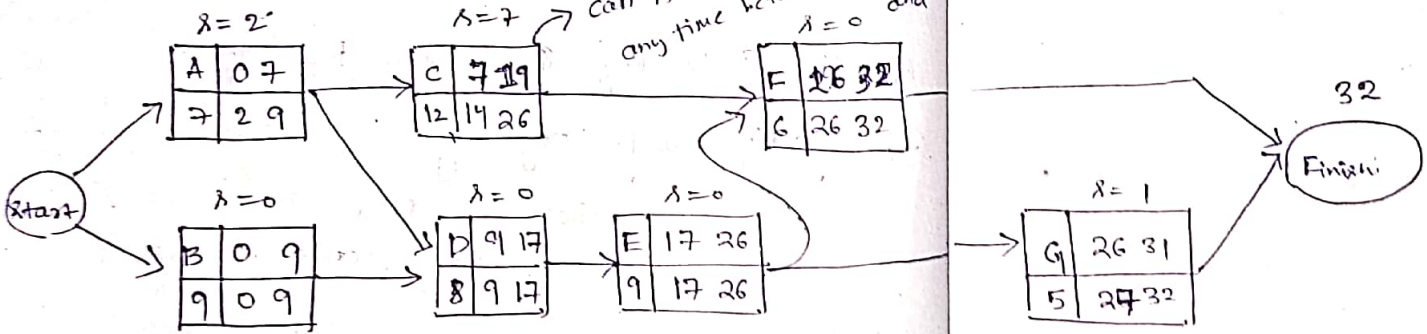


PERT: Project Evaluation. Review & Technique

- Same as CPM, but activity on the arrow other than Box
- 3-point estimate

(9)//

Activity	A	B	C	D	E	F	G
Immediate Predecessor	–	–	A	A+B	D	C, E	E
Expected Time	7	9	12	8	9	6	5



Slack = λ = LS - ES = LF - EF

* Slack = n ⇒ We can delay that task for n-period without affecting the finish day (32).
* Slack = 0 ⇒ Any delay will increase finish day (Critical Activity).
  ⇒ It forms the critical path.