

## UNIT-1 & 2

### Question bank

Write short note on:

- Forward & backward pass
- Project characteristics
- Risk & its identification.
- Project scope & objectives
- Identifying activity risk
- scheduling resources
- cost scheduling
- process and product
- Risk activity
- Management control
- ~~cost~~ ROI
- leadership
- estimating efforts
- calculating Z values

- Q2. Differentiate b/w waterfall & V-process model.
- Q3. What is cost-benefit Analysis? Explain the technique.
- Q4. Discuss various risks in a project? How are risk management plans derived & implemented?
- Q5. What is s/w project planning? Explain in detail various phases of project planning.
- Q6. What is s/w project? Explain various types of s/w projects briefly?
- Q7. Explain activities covered in SPM?
- Q8. Describe waterfall model.
- Q9. Explain cost benefit evaluation technique & cash flow forecasting.

Q10. What factors are needed to be kept in mind while allocating resources?

Q11. Explain critical path method in detail used for project planning.

Q12. Explain Albrecht FP analysis?

Q13. Explain how to select appropriate project report & choice of process?



Function point → To measure std. worth of the s/w.  
measures functionality from user pt of view.

using historical data

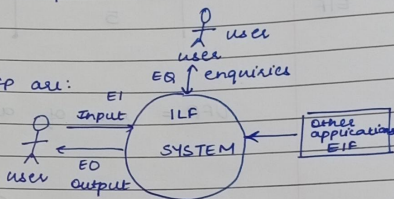
→ to estimate cost or effort req to design code

→ effect during testing

→ forecast no. of components to be implemented in system.

5 func. units to calculate FP are:

① Internal logic : The logically related data present within the system.



External Interface : The control data referenced by the system but present in another system.

EI

EO

EQ

$$FP = UFP \times CAF$$

FP → Functional pt

UFP → unadjusted FP

CAF → complexity Adj. Factor.

FP	weighting Factor		H
	L	Avg	
		4	6
EI	3	5	7
EO	4	4	6
EQ	3	10	15
ILF	7	7	10
EIF	5		

UFP = sum of all of above.

$$CAF = 0.65 + (0.01 \times \sum Fi)$$

$Fi \rightarrow$  value adj factor based on following 14 Ques

1. Data communication
2. Performance
3. Online data entry
4. Online update
5. Reusability
- ...
- 14.

Answers on a scale of  
0 - 5

0  $\rightarrow$  no influence  
1  $\rightarrow$  Incidental  
2  $\rightarrow$  Moderate  
3  $\rightarrow$  Avg.  
4  $\rightarrow$  Significant  
5  $\rightarrow$  Essential