

Function Point Metric For Payroll Management System

External Input :

1)Employee Basic Details	(include Update Details ,Delete Details,Search Employee
Details	//avg
2)Employee Job Details	//simple
3)Employee Work Details	//simple
4)Employee Salary Details	//simple

External Output:

1)Employee Details	//simple
2)Salary Details	//simple
3)Work Details	//simple
4)Job Details	//simple
5)Payroll Details	//simple
6)Leave Status	//simple
7)Leave Report	//avg
8)Employee Report	//avg
9)Deduction Report	//avg
10)Incentive Report	//avg

External Queries:

1)Deduction Details	//avg
2)Incentives Details	//avg
3)Bonus Details	//avg
4)Leave Status	//avg
5)Leave Report	//complex
6)Employee Report	//complex
7)Deduction Report	//complex
8)Incentive Report	//complex

Internal Logic Files:

1)User DB	//avg
2)Leave DB	//avg
3)Payment DB	//avg

External Interface Files:

No EIF is Required

$$\text{Avg UFP} = 5*4 + 5*10 + 4*8 + 10*3 + 7*0 = 132$$

$$\text{After Defining(Refined) UFP} = (2*4+3*3) + (6*4 + 5*4) + (4*4 + 6*4) + 10*3 + 0 = 131$$

Compute DI based on following 14 parameters(value 0-5):

1. Reliable backup and recovery	0
2. Complexity of Data Communication	3
3. Distributed Processing	0
4. Performance Criticality	3
5. Operational Environment	0
6. Online Data Entry	0
7. Multi Screen or Multi Operational Online Data Entry	0
8. Online Updation of ILF	0
9. Complexity of Inputs, outputs, files and inquiries	4
10. Complexity of Internal Processing	4
11. Code Reusability	3
12. Complexity of Installation	2
13. Multiple Sites Installation	0
14. Change Management and Ease of use	3

DI: 22

$$\text{TCF} = 0.65 + 0.01*22 = 0.87$$

$$\text{FP: TCF * UFP} = 0.87 * 131 = 113.97$$

Transport Company Automation

News Paper Agency

University Department Info.

Medicine Shop Agency

Courier Comapny

Book Shop