

## **EXP 4: To calculate function point for given problem statement System.**

**Project Name: Course Scheduling System Team**

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**Total Unadjusted Function Points (UFP): 98**

- Data Communications: 4
- Distributed Data Processing: 3
- Performance: 4
- Heavily Used Configuration: 2
- Transaction Rate: 3
- Online Data Entry: 4
- End-User Efficiency: 2
- Online Update: 3
- Complex Processing: 4
- Reusability: 3
- Installation Ease: 1
- Operational Ease: 2
- Multiple Sites: 3
- Facilitate Change: 4

The formula for VAF is:  $VAF = 0.65 + (0.01 \times TAF)$

Substituting the TAF value:  $VAF = 0.65 + (0.01 \times 42) = 0.65 + 0.42 = 1.07$

$$\text{AFP} = 98 \times 1.07 = 104.86 \approx 105$$

Here, the Effort per FP is 5 hours: } Estimated Effort = AFP × Effort per FP

**Calculation:** Estimated Effort =  $105 \times 5 = 525$  hours

Total Unadjusted Function Points (UFP): 98

Total Adjustment Factor (TAF): 42

Value Adjustment Factor (VAF): 1.07

Adjusted Function Points (AFP): 105

Estimated Development Effort: 525 hours