Project estimation by function point analysis

No. of inputs:9

No. of outputs:7

No. of inquiries:5

No. of files:4

No. of external interfaces:2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Information domain value | Simple | average | complex | count | FP count |
| No. of inputs: | 4 x 3 | 5x4 | 0x6 | 9 | 32 |
| No. of outputs: | 5x4 | 1x5 | 1x7 | 7 | 32 |
| No. of inquiries: | 5x3 | 0x4 | 0x6 | 5 | 15 |
| No. of files: | 3x7 | 1x10 | 0x15 | 4 | 31 |
| No. of external interfaces: | 1x5 | 1x7 | 0x10 | 2 | 12 |

Count total=122

|  |  |
| --- | --- |
| Data communication | 4 |
| Data distributed processing | 5 |
| Performance | 5 |
| Heavily used configuration | 4 |
| Transaction rate | 3 |
| Online data entry | 1 |
| End user efficiency | 3 |
| On-line update | 4 |
| Complex processing | 3 |
| Reusuability | 4 |
| Installation ease | 5 |
| Operational ease | 4 |
| Multiple Sites | 0 |
| Facilitate Change | 4 |
| Total Fi | 42 |
|  |  |

Calculate Function Point:

FP est.= Count Total \* [0.65 + 0.01\* (Fi)]

=122 \* 1.14

=139.08

For our project:

Productivity=85 LOC/pm

Labor Rate=Rs 50000 per month

For 6 months=50000 \* 6

Total Labor Rate = 300000

Cost/FP=Labor Rate/Productivity

=300000/139.08

=2157.03

Effort=FP est./productivity

=139.08/85

=1.64

Total Project Cost= FP est. \* (Cost/FP)

=299999.73