Roles and function points

|  |  |  |  |
| --- | --- | --- | --- |
| Role | gfp | cfp | Pay per hour |
| Project manager |  |  | £32 |
| Senior software engineer | 7 hours | 9 hours | £27 |
| Junior software engineer | 9 hours |  | £20 |
| Senior network engineer | 7 hours | 9 hours | £27 |
| Junior network engineer | 9 hours |  | £20 |
| Database administrator | 6 hours |  | £22 |

7.5 hours a day, 5 days a week, 2 months in total 30 days in total

Hours and pay

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Workers | Per hour | Per day | Per week | Total Project pay |
| Project manager | £32 | £240 | £1680 | £7200 |
| Senior software engineer | £27 | £202.5 | £1417.5 | £6075 |
| Junior software engineer | £20 | £150 | £1050 | £4500 |
| Senior network engineer | £27 | £202.5 | £1417.5 | £6075 |
| Junior network engineer | £20 | £150 | £1050 | £4500 |
| Database administrator | £22 | £165 | £1155 | £4950 |
|  |  |  |  | £33300 |

All function points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Workers | General function point | GFP time | Complex function point | CFP time |
| Senior software engineer | 2 + 10 per server | 14 hours + 70 per server | 26 | 234 hours |
| Junior software engineer | 19 + 10 per server | 171 hours + 90 per server |  |  |
| Senior network engineer | 10 per server | 70 per server | 3 | 27 hours |
| Junior network engineer | 20 + 10 per server | 180 hours + 90 per server |  |  |
| Database administrator | 26 | 156 hours |  |  |
|  |  |  |  | 261 hours |

Costs of function points without servers

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Workers | General function point | Gfp pay | Complex function point | Cfp pay | Total pay |
| Senior software engineer | 14 hours | £378 | 234 hours | £6318 | £6696 |
| Junior software engineer | 171 hours | £1539 |  |  | £1539 |
| Senior network engineer |  |  | 27 hours | £729 | £729 |
| Junior network engineer | 180hours | £3600 |  |  | £3600 |
| Database administrator | 156 hours | £3432 |  |  | £3432 |
|  |  |  |  |  | £15996 |

Price of 2 servers

|  |  |  |
| --- | --- | --- |
| Workers | General function point | Gfp pay |
| Senior software engineer | 140hours | £3780 |
| Junior software engineer | 180 hours | £3600 |
| Senior network engineer | 140 hours | £3780 |
| Junior network engineer | 180 hours | £3600 |
|  |  | £14760 |

TOTAL STAFF PAY = £33300 + £15996 + £14760 = £64056

|  |  |
| --- | --- |
| Item | Cost |
| Server x 2 | £5800 |
| Server software and licensing costs x2 | £7822 |
| Check-in terminals | £53,000 |
| Network infrastructure | £25,000 |
|  | £91,622 |

TOTAL COST = £91,622 + £64056 = £155678

Budget is £150,000

Cost is over budget by £5678