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Ruby on Rails

Process Assurance Group has the opportunity to save $5,250,000 in three years by implementing Ruby on Rails, an open source web development platform. Ruby on Rails can increase our company’s productivity through its fast creation of APIs and overall speed in web development. Increased productivity through Ruby on Rails will allow our developers to complete more projects per year, increasing revenue.

Ruby on Rails is an open source web development framework that uses the programming language “Ruby.” The flexibility and simplicity of the Ruby language implemented in Ruby on Rails allows users to write complex programs without the extra code that would be used with other platforms, increasing the speed of production. Ruby on Rails is the fastest way to build application programming interfaces (APIs), the most time-consuming task in web development. Our teams specialize in creating APIs, and if Ruby on Rails is implemented, the speed of creating APIs would be increased, meaning that productivity will be increased and they can work on more projects.

If Ruby on Rails is implemented in our web development teams, the benefits incurred would amount to $11,250,000, due to increased revenue over three years’ time. In order to work efficiently, the web development team must receive training on Ruby on Rails, totaling a cost of $6,000,000 over three years. However, if we choose to use Ruby on Rails, our company will experience a net benefits of $5,250,000 in three years.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **total** |
| **Costs** |  |  |  |  |
| **Training** | 2000000 | 2000000 | 2000000 | 6000000 |
| **Total Costs** |  |  |  | 6000000 |
|  |  |  |  |  |
| **Benefits** |  |  |  |  |
| **Increased Revenue** | 3750000 | 3750000 | 3750000 | 11250000 |
| **Total Benefits** |  |  |  | 11250000 |
|  |  |  |  |  |
|  |  |  |  |  |
| **Net Benefit** | 1750000 | 1750000 | 1750000 | **5250000** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Previous** |  | **Now** |  |
| **web developers** | 9 | **web developers** | 9 |
| **lead web developer** | 1 | **lead web developer** | 1 |
| **training** | 0 | **training** | 200000 |
| **Training costs** | 0 | **Training costs** | 6000000 |
| **revenue per WD project** | 10,000 | **revenue per WD project** | 10,000 |
| **revenue per LWD project** | 25,000 | **revenue per LWD project** | 25,000 |
| **projects per year** | 15 | **projects per year** | 30 |
| **number of teams** | 10 | **number of teams** | 10 |
| **revenue per team** | 465000 | **revenue per team** | 840000 |
| **total revenue** | 4650000 | **total revenue** | 8400000 |
|  |  |  |  |

Works Cited

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