***Citizen health care system***

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***1) Estimating Project Time Using Industry Standards:***

Typical industry standards for business applications

all project will be tack 10 month.

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| --- | --- |
| Planning  (15%) | 1.5 manths |
| Analysis (20%) | 2 manths |
| Design (35%) | 3.5 manths |
| Implementation (30%) | 3 manths |

**2**

***3) Project Staffing Plan:***

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| --- | --- | --- |
| Role | Description | Assigned To |
| **Project Manger** | Oversees the project to ensure that it meets its  objectives on time and within budget.  -It has a catalytic role, not an administrative one | Abdelrahman Gamal Ahmed |
| **Infrastructure Analyst** | Ensure that the new system is in line whit the current environment so that it can meet our requirements. | Adnan Alaref |
| **System Analyst** | Designs the information system with a focus on the data models and system performance  - Understanding the old system well and knowing deficiencies and shortcomings | Omer Agamy |
| **System Analyst** | Designs the information system with a focus on the process models and interface design. | Adnan Alaref |
| **Programmer** | Codes system | Ali Elgedawy |
| **Programmer** | Codes system | maky |
| **Reporting Structure** | All project team member will report to Abdelrhman. | |
| **Special Incentives** | If the deadline for the project is met , All team members who contributed to this goal will receive a free day off to be token over the holiday season. | |

***4) Risk Assessment***

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| --- | --- | --- | --- |
| risks | Likelihood of the risk : - | potential impact on the project : - | ways to address this risk : - |
| * The inability of the new system to integrate with the current environment . | - Middle probability of risk . | - This risk will cause the inability to obtain important data from the old system. | - We will choose systems with a high adaptability  - First of all, we will make sure that the next step will not impede any communication with the remaining systems |
| * Difficulty dealing with the new system (database), and therefore to use new technology where it is difficult in the beginning to get used to dealing with it. | - High probability of risk . | - This risk will decrease the system user number by 30% . | the most important thing we should worry about while implementing our project is the user's ability to use the project easily  So we will try to make it easy to be used and we will train the users periodically after every update of the project . |
| No control over the cost of the project | - High probability of risk . | - This risk will cause increasing in the estimated budget . | - Compensation with increased working time. Without additional consideration  -Follow-up of expenses, and in the event of an increase in the specified amount, a deduction will be made from the person who causes the loss |
| Not to complete the tasks on time | High probability of risk . | This risk will cause increasing in the estimated budget . | -We will extend the work period for no additional charge |

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| Task Name | Duration | Start | Finish | Predecessors | Resource Names |
| Citizen health care system | 247 days? | Wed4/1/20 | Sun12/13/20 |  |  |
| 1-planning | 27days? | Wed4/1/20 | Tue4/28/20 |  |  |
| a-System request | 5 days | Wed4/1/20 | Mon4/6/20 |  | Abdo Gamal |
| b- feasibility study | 10 days | Mon4/6/20 | Thu4/16/20 | 3 |  |
| i-Technical feasibility | 5 days | Mon4/6/20 | Sat4/11/20 |  | Adnan Mustafa |
| ii-Economic feasibility | 10 days | Mon4/6/20 | Thu4/16/20 |  | Abdo Gamal |
| iii-Organizational feasibility | 5 days | Mon4/6/20 | Sat4/11/20 | 5SS,6SS | Ali Ahmed |
| c-Time estimation | 4 days | Thu4/16/20 | Mon4/20/20 | 4 | Abdo Gamal |
| d-Work plan | 8 days | Mon4/20/20 | Tue4/28/20 | 8 | Adnan Mustafa/software tools |
| e-staff plan | 6 days | Mon4/20/20 | Mon4/27/20 | 9SS | Omer Agamy /Desktop |
| f-Risks | 2 days | Mon4/20/20 | Wed4/22/20 | 10SS | Ahmed Meky |
| M1 | 1 days? | Wed4/1/20 | Wed4/1/20 |  |  |
| 2-Analysis | 72 days? | Wed4/29/20 | Sun7/1/20 | 2 |  |
| a-Questionnaires | 5 days | Wed4/29/20 | Mon5/4/20 |  | Ali Ahmed |
| b-Joint application Development (JAD) | 1 days | Wed4/29/20 | Wed4/29/20 |  | Adnan Mustafa |
| c-Interview | 2 days | Wed4/29/20 | Thu4/30/20 | 14SS,15SS | Abdo Gamal |
| d-Reports | 5 days | Mon5/4/20 | Sat5/9/20 | 14,15,16 | Ahmed Meky |
| e-Requirements | 7 days | Sat5/9/20 | Sun5/17/20 | 17 | Omer Agamy |
| f-Use case | 15 days | Sun5/17/20 | Mon6/1/20 | 18 | Ahmed Meky |
| g-Use case diagram | 27.25day | Mon6/1/20 | Sun7/1/20 | 19 | Adnan Mustafa |
| M2 | 1 day? | Wed4/29/20 | Wed4/29/20 |  |  |
| 3-Design | 58 days | Mon7/13/20 | Thu9/10/20 | 13 |  |
| a-Creating an architecture design | 13 days | Mon7/13/20 | Sun7/26/20 |  |  |
| i-Developing optional | 10 days | Mon7/13/20 | Wed7/22/20 |  | Abdo Gamal/software tools/hardware tools |
| ii-Requirements | 9 days | Mon7/13/20 | Tue7/21/20 |  | Adnan Mustafa/software tools |
| iii-Developing | 11 days | Mon7/13/20 | Thu7/23/20 |  | Ali Ahmed/hardware tools |
| iv-Performance requirements | 9 days | Mon7/13/20 | Tue7/21/20 |  | Ali Ahmed/software tools |
| iiv-Developing security requirements | 13 days | Mon7/13/20 | Sun7/26/20 | 24SS,25SS,26 | Omer Agamy/software tools |
| b-Design database | 10 days | Sun7/26/20 | Wed8/5/20 | 23 |  |
| i-staging database design | 10 days | Sun7/26/20 | Wed8/5/20 |  | Adnan Mustafa/database tools |
| ii-Suspense database design | 8 days | Sun7/26/20 | Mon8/3/20 | 30SS | Abdo Gamal/database tools |
| c-Application design | 36 days? | Wed8/5/20 | Thu9/10/20 | 29 |  |
| i-User interface design | 10 days | Wed8/5/20 | Sun8/16/20 |  | Ali Ahmed/desktop |
| ii-User authentication | 10 days | Sun8/16/20 | Wed8/26/20 | 33 | Ahmed Meky/hardware tools |
| iii-Call logging | 8 days | Wed8/26/20 | Thu9/3/20 | 34 | Omer Agamy/software tools |
| iv-Search | 7 days | Thu9/3/20 | Thu9/10/20 | 35 | Adnan Mustafa/software tools |
| M3 | 1 days? | Wed8/5/20 | Thu8/6/20 |  |  |
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| 4-Implementation | 90 days? | Thu9/10/20 | Sun12/13/20 | 22 |  |
| a-construct database | 13 days | Thu9/10/20 | Thu9/24/20 |  | Ahmed Meky/database tools |
| b-Write program | 17 days | Thu9/24/20 | Mon10/12/20 | 39 | Abdo Gamal/software tools |
| c-Develop database design | 25 days | Mon10/12/20 | Sat11/7/20 | 40 | Ali Ahmed/hardware tools |
| d-Testing | 20 days | Sat11/7/20 | Sat/11/28/20 | 41 | Adnan Mustafa/software tools |
| e-Installation | 15 days | Sat/11/28/20 | Sun12/13/20 | 42 | Omer Agamy/desktop |
| M4 | 1 day? | Thu9/10/20 | Sat9/12/20 |  |  |