## Developing a new system for residence and management of the campus, to automate the routinely process and to give an overview of the campus, also to ease the work of the management and to maximize the output and reduce the cost of operating,

The old system lacks the essential software systems and hardware systems that ease the management unbelievably and sustain a good user experience,

The proposed solution is to develop a new system that functions for both the user and the management.

The objective is to develop a new system that maximizes the output and minimizes the cost of the routine operations and obtains the user’s satisfaction.

Scope of the project:

In terms of user:

It’ll be easier, more feasible and beneficial for the user to locate and search for information about the campus in terms of location, feedback and evaluations, structure, events, and available facilities, and can learn about the policies, rules, regulations, and guideline of the Campus.

And can view the availability of booking and can make all type of reservations and determine the type of reservation as an example rooms reservations, suites reservations and facility reservations. Also view the campus resources such as sport fields, libraries, restaurants, entertainment facilities, classrooms, laboratories, public transport, etc.…,

The new software system shall include an update of the previous software system with addition of new application software for booking and reservations, the application will also include pictures and location of the facilities whether it's sport facilities, entertainment facilities or residence facilities.

The system may not include one on one live communications with the campus management, only Q&A section for additional information.

In term of managements:

The management should be able to define and specify the policies and guidelines of bookings and update it to the residence of the campus, manage the reservations in the term of availability and priority,

The management should track the utilization of the resources, to ensure sufficient and efficient use of the resources to reduce the total cost of development.

The management should also be able to address problems with the facilities and fix the issues in a proper interval of time.

The new software application developed will give the management the ability to view the reviews of residences and manage the reservations and bookings.

The application should include a damage report system and resource track system, the damage report system so that the management can view and work on solving the damage.

The resource track system so that the management can make certain that the resources are being used effectively and effectively to reduce the cost of operations.

The newly deployed hardware system will include the addition of a new network computer system, to process all the transactions into the database.

The new hardware system should also manage the resources with the newly installed memory to maximize the efficiency of the management and transaction.

The observation system is a new proposed operational system to observe and evaluate the work of the employees at the campus, the observation system requires office.

Feasibility study

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| The objective is to minimize the input errors and to Improve the system and subsystem integrations |

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| In terms of operational resources: |
| The available human resources of software and I.T specialist will operate once the system is installed the user will use the system to evaluate its efficiency. |
| In terms of technical resources: |
| The current technical resources may not be sufficient for the new system, so new technical hardware and new software will be installed. |
| In terms of economic resources: |
| The cost of the new hardware=  The cost of new software=  The cost of photography=  The cost of the system analyst=  The cost of the software designers and engineers=  The cost of operating= per/year  The cost of maintenance= per/year |

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| 1.identify the required data: | Duration in weeks | processes |
| 1.1 gather information. | 1 | none |
| 1.2 analyze the information | 1 | 1.1 |
| 1.3 determine the problems and objectives | 1 | 1.2 |
| 2. identify the resources: |  | 1 |
| 2.1 identify and gather the required resources. | 2 | 1.3 |
| 2.2 gather and assess human resources. | 2 | 1.3 |
| 3. hardware deployment: |  | 2 |
| 3.1 identify the required hardware. | 2 | 2.1 and 2.2 |
| 3.2 purchase the required hardware | 3 | 3.1 |
| 4. software development: |  | 2 |
| 4.1 analyze the required software | 2 | 2.1 and 2.2 |
| 4.2 develop the required software | 3 | 4.1 |
| 5. Installation: |  | 4 |
| 5.1 Install the new system | 5 | 4.2 and 3.2 |
| 5.2 test the new system | 2 | 5.1 |
| 6. system evaluation: |  | 5 |
| 6.1 evaluate the new system | 1 | 5.2 |
| 6.2 get users evaluations | 1 | 6.1 |