A new system will be analyzed to create a new events management system that will reduce the cost of operations due to automating some tasks and decrease the need for human intervention.

The events management is based on routine works that could be automated, the management doesn’t take in hand the weather, the user’s opinions, and views,

A new system is proposed to automate the daily process and to ease the control of the system, also it will include feedback submission to maximize the user experience,

Our objective is to develop a system that will replace the previous system with additional features that will maximize the output of the system and minimize unexpected output errors.

The system will include a new cloud software system that will require hardware that is inexpensive to set up and cheap to maintain and it’ll reduce the need for human intervention.

In terms of user:

The new cloud software will notify the user about the availability of the events, allowing him to register, by submitting his information, the attendee management will be given cloud server access so that attending the events will be taken through scanning the QR code via the cloud servers, the software will provide a specific place for the reviews and suggestions for users, for the management to interact with the user,

The system may not include 24h access for the user to reduce the operational cost.

In terms of management:

The cloud server software will provide the necessary data for the management to create events based on the user’s opinion,

It will also provide information about the user’s schedule in the university, to provide the most appropriate time for scheduling the events.

The software servers will give an overall view about the number of users attending the scheduled events, and the number of users registered without attending and the number of users who use the system but didn’t register.

The feedback section of the software will provide the event manager with current ongoing problems with the events in terms of scheduling, kinds of events, level of entertainment, level of educational and knowledge benefit,

Feasibility study

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| The objective is to minimize the input errors and to Improve the system and subsystem integrations, also to speed the system development and determining whether its beneficial or not to develop a new system. |

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| In terms of operational resources: |
| The available human resources of software engineers and I.T specialist will operate once the system is installed the user will be able use the system to evaluate its efficiency, and provide the necessary feedback and reviews for the events management. |
| In terms of technical resources: |
| The current technical resources may not be appropriate for the new system, purchasing new technical hardware and developing new software will be essential |
| In terms of economic resources: |
| The cost of the new hardware=  The cost of developing software=  The cost of the system analyst=  The cost of the software designers and engineers=  The cost of operating= per/year  The cost of operations of the cloud servers= per/year  The cost of maintenance= per/year |

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| 1.identify the required data: | Duration in weeks | processes |
| 1.1 gathering information. | 2 | none |
| 1.2 analyze the information | 2 | 1.1 |
| 1.3 determine the problems and objectives | 2 | 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. | 1 | 2.1 and 2.2 |
| 3.2 purchase the required hardware | 1 | 3.1 |
| 4. software development: |  | 2 |
| 4.1 analyze the required software | 3 | 2.1 and 2.2 |
| 4.2 develop the required software | 6 | 4.1 |
| 5. software testing |  | 4 |
| 5.1 Install the new software | 1 | 4.2 and 3.2 |
| 5.2 test the new software | 1 | 5.1 |
| 6. system installation: |  | 5 |
| 6.1 install the new system | 4 | 5.2 |
| 6.2 evaluate the new system | 4 | 6.1 |
| 6.3 get the user evaluation | 4 | 6.2 |