Project name : **Irrigation company**

* Mariam Elsayed Eissa (Team Leader)
* Mona Mohamed El-bedawy
* Manar Yasser Abo Zaid
* Manar Samy Ebrahim
* Mina Ashraf Zaki
* Morkos Shaban Khamis

**Business case :**

We have a problem in irrigate the agricultural lands so we decided to build this company to reduce the problems & help the farmers

Here is some steps …

1. Reduce the consumed water
2. Organize land irrigation
3. Save time and efforts on farmers
4. Ensure that all the crops are irrigated well

Tasks list

## Buying a piece of land

## preparation of land license papers

## Getting the architects & engineers

## Building materials

## The building process

## bring the equipment & irrigation tools

## Getting devices and preparing the offices

## advertisements for employment

## engineers with at least 3 years of experience

## Decorating the company

## Windows , doors & emergency doors

## Security cameras

## Street advertisements

## Online marketing

RACI Matrix

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Step | Project  Initiation | Mariam  eissa | Mona  Mohamed | Manar  samy | Manar  Yasser | Mina  zaki | Morkos  khamis |
| 1 | Buying a piece of land | R | A | C | I | R | I |
| 2 | preparation of land license papers | I | R | I | A | C | R |
| 3 | Getting the architects & engineers | C | I | C | R | A | R |
| 4 | Building materials | R | C | R | C | I | A |
| 5 | The building process | R | R | I | I | A | C |
| 6 | bring the equipment & irrigation tools | A | C | C | I | R | I |
| 7 | Getting devices and preparing the offices | I | R | A | C | R | C |
| 8 | advertisements for employment | C | A | R | I | I | R |
| 9 | engineers with at least 3 years of experience | R | I | A | C | C | I |
| 10 | Decorating the company | A | I | C | C | I | R |
| 11 | Windows , doors & emergency doors | R | C | R | I | I | A |
| 12 | Security cameras | C | R | I | C | A | R |
| 13 | Street advertisements | R | R | I | A | C | C |
| 14 | Online marketing | R | A | R | C | C | I |

Stakeholders process

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Name | Job | Impact | Interdependency |
| 1 | Sponsor | The owner & the financier | + | 2 |
| 2 | Manger | The responsible for managing | + | 1 |
| 3 | Company  Vice | On behalf of the manager | + | 2 |
| 4 | Speaker | Speaking on behalf of the company | + | 2 |
| 5 | Financial  Officer | Responsible for the company’s funds | + | 2 , 1 |
| 6 | Director  Of  Engineers | Manages the engineers | + | 2 |
| 7 | Warehouse  Manager | Responsible for issuing purchase orders for project | + | 2 |
| 8 | HR | Responsible for recruiting , screening and placing workers | + | 2 |
| 9 | Space  Engineer | Measures lands | + | 2 , 6 |
| 10 | Agricultural  Engineer | The main part for the company , do all the work | + | 2 , 11 , 6 |
| 11 | Land  Experts | Know the nature of the land & how to deal with it | + | 2 , 10 , 6 |
| 12 | Accountants | Responsible for the company’s funds | + | 2 ,5 |
| 13 | Marketing | Advertising & marketing for the company | + | 2 , 12 . 1 |
| 14 | Security | Secure the company | + | 2 , 8 |
| 15 | Workers | All of them help the company to progress & look better | + | 2 . 8 |
| 16 | Competitors |  | - | 1 , 2 |

Project requirements

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Require | Stable | Evolving |
| 1 | Land area 500 meters | /  |/ |  |
| 2 | License papers | /  |/ |  |
| 3 | Architects / engineers |  | /  |/ |
| 4 | Bricks / cement / sand / iron / concrete | /  |/ |  |
| 5 |  |  | /  |/ |
| 6 | The equipment / irrigation tools |  | /  |/ |
| 7 | Devices / offices / chairs | /  |/ |  |
| 8 | Advertisement for engineers & workers |  | /  |/ |
| 9 | Experience not less than 3 years |  | /  |/ |
| 10 | Wall paint / light / wall drawings | /  |/ |  |
| 11 | Windows / doors / emergency doors | /  |/ |  |
| 12 | Security system / cameras | /  |/ |  |
| 13 | Face ads / paper ads |  | /  |/ |
| 14 | Social media |  | /  |/ |

The Scope

|  |  |
| --- | --- |
| Project name | Irrigation company |
| Project manager |  |
| Sponsor |  |

**Business case**

## We have a problem in irrigate the agricultural lands so we decided to build this company to reduce the problems & help the farmers

## Reduce the consumed water

## Organize land irrigation

## Save time and efforts on farmers

## Ensure that all the crops are irrigated well

**Stakeholders**

* Sponsor
* manager
* company vice
* speaker
* financial officer
* director of engineers
* warehouse manager
* HR
* **space engineer**
* **agricultural engineer**
* **land experts**
* **accountants**
* **marketing**
* security
* workers

**Tasks**

## 1. Buying a piece of land

## 2. preparation of land license papers

## 3. Getting the architects & engineers

## 4. Building materials

## 5. The building process

## 6. bring the equipment & irrigation tools

## 7. Getting devices and preparing the offices

## 8. advertisements for employment

## 9. engineers with at least 3 years of experience

## 10. Decorating the company

## 11. Windows , doors & emergency doors

## 12. Security cameras

## 13. Street advertisements

## 14. Online marketing

**Time** : 29 month

Smart evaluation

1. **Specific - Does it address a real problem?**

**Yes.**

1. **Measurable - Are we able to measure the problem ,establish a baseline , and set targets for improvement?**

**Yes.**

1. **Attainable - Is the goal achievable? Is the completion date realistic?**

**Yes.**

1. **Relevant - Does it relate to business objective?**

**Yes.**

1. **Time Bound - Have we set a date for completion?**

**Yes.**

Feasibility Study:

# needs of our project:

1. Land area 500 meters
2. License papers
3. Architects / engineers
4. Bricks / cement / sand / iron / concrete
5. The equipment / irrigation tools
6. Devices / offices / chairs
7. Advertisement for engineers & workers
8. Experience not less than 3 years
9. Wall paint / light / wall drawings
10. Windows / doors / emergency doors
11. Security system / cameras
12. Face ads / paper ads
13. Social media

# risks may face our project:

1. scope creep.
2. decrease in our equipment.
3. workers skills is bad.

# The marketing:

1. we should make advertisement
2. we should make online marketing.

The cost : **9 million .**

Project Constraints

-this project will be finish after 29 months.

-this project ends in 28 / 10 / 2022.

-This project cost 9 million bound.

- 5 license papers from the government

-tax papers

-quality masterpiece

-this project is a sound project

-the owner should pay all the money

-if scope creep happens on the project , it will result in increase time , cost , resources , and thus increased risk on delivery.

Owner:

Manager:

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name** | Irrigation company | | |
| **Project Sponsor** |  | **Project Manager** |  |
| **Date of Project Approval** | 29 month | **Last Revision Date** | 20 / 10 / 2022 |
| **Scope Description** | **We have a problem in irrigate the agricultural lands so we decided to build this company to reduce the problems & help the farmers** | | |
| **Project Deliverables** | * Reduce the consumed water * Organize land irrigation * Save time and efforts on farmers * Ensure that all the crops are irrigated well | | |
| **Acceptance Criteria** | The project will be accepted when it is agreed by the sale team that the deliverables meet their needs (deliverables signed off).  The project will also be considered a success if post launch testing shows that customer satisfaction over five points higher than where it is now . | | |
| **Constraints** | The sales team are not dedicated to this project , and must fit this around their day to day sales jobs. | | |
| **Assumption** | The project will be successful and help in the agriculture process if we had the enough finance | | |

power

interest

Initiation phase

|  |
| --- |
| * There is one clearly identified sponsor . |
| The PM understands what the sponsor expects. |
| * The problem or reason for the project has been clearly documented. |
| * The project content what is IN and OUT OF Scope has been clearly documented . |
| Project specifications have been clearly identified and documented  ( in terms of numbers ,time) |
| * The budget and the project deadline have been documented . |
| * The sponsor has signed the charter (comprising the above information). |

|  |  |  |  |
| --- | --- | --- | --- |
| Project name : | Irrigation company | Project code : |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Start date : | 28 / 10 / 2019 | End date : | 20 / 10 / 2022 |

|  |  |
| --- | --- |
| Sponsor | Team members |
|  | Mariam eissa | Morkos shaban |
| Project manager | Mona Mohamed |  |
|  | Manar Yasser |  |
| Support | Manar samy |  |
|  | Mena zaki |  |

|  |  |
| --- | --- |
| Goaols and objectives | Scope |
| * Reduce the consumed water * Organize land irrigation * Save time and efforts on farmers * Ensure that all the crops are irrigated well |  |

|  |  |  |
| --- | --- | --- |
| Tasks | Start | End |
| 1 | 28 / 10 / 2019 | 15 /12 /2019 |
| 2 | 15 / 12 /2019 | 30 / 12 / 2019 |
| 3 | 30 / 12 / 2019 | 14 / 2/ 2020 |
| 4 | 14 / 2/ 2020 | 10 / 3/ 2020 |
| 5 | 10 / 3/ 2020 | 15 / 7 / 2020 |
| 6 | 15 / 7 / 2020 | 20 / 9 / 2020 |
| 7 | 20 / 9 / 2020 | 17 / 12 / 2020 |
| 8 | 17 / 12 / 2020 | 11 / 1 / 2021 |
| 9 | 11 / 1 / 2021 | 25 / 4 / 2021 |
| 10 | 25 / 4 / 2021 | 30 / 6 / 2021 |
| 11 | 30 / 6 / 2021 | 27 / 11 / 2021 |
| 12 | 27 / 11 / 2021 | 29 / 2 /2022 |
| 13 | 29 / 2 /2022 | 13 / 7 /2022 |
| 14 | 13 / 7 /2022 | 22 / 10 /2022 |

|  |
| --- |
|  |

|  |  |  |
| --- | --- | --- |
| Budget |  |  |
| 1 | 123,000 |  |
| 2 | 45.000 |  |
| 3 | 1.000.000 |  |
| 4 | 4.000.000 |  |
| 5 | 157.900 |  |
| 6 | 78000 |  |
| 7 | 39000 |  |
| 8 | 56000 |  |
| 9 | 23000 |  |
| 10 | 5000 |  |
| 11 | 2,000,000 |  |
| 12 | 34000 |  |
| 13 | 78900 |  |
| 14 | 23000 |  |
|  | **Total** | 8 million |

|  |
| --- |
| Risk |
| * scope creep. * decrease in our equipment. * workers skills is bad. |

|  |  |
| --- | --- |
| Sponsor: |  |
| Project manager : |  |

Work breakdown structure :

Cost breakdown structure:

Total cost=80000+1000000+50000+400000+500000+90000+4000000+40000+30000+20000

=8000000L.E

PDM

FS FS SF

Building material

getting engineer

Prepare license ekjkhghhjkklklkklllllicence

Choose land

start

FS SS

Prepare office

Windows ,doors

Wall painting

SS

Security

FS

Online marketing

end

Risk management plan:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Number | Risk | Probability | impact | Risk level | Solving method |
| 1 | Scope creep | Medium | medium | medium | Avoid |
| 2 | Decrease in equipment | Medium | high | High | Transfer |
| 3 | Workers skills is bad | Low | high | medium | Mitigate |

Communication management plane

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Communication  types | Objective  Of  communication | Medium | frequency | Audience | owner | deliverable | Format |
| Kick of meeting | Introduce project team  Project review project objective and management approach | Face to face | Once | Project sponsor  Project team  stakeholder | Project manager | -agenda  -meeting minutes | Soft copy archived on project share point site and project web site |
| Project team meeting | Review status of project with the team | Face to face  conference  call | Weekly | Project team | Project manager | -agenda  -meeting minutes  -project schedule | Soft copy archived on project share point site and project web site |
| Technical design meeting | Discuss and develop technical design solution | Face to face | As need | Project technical staff | Technical lead | -agenda  -meeting minutes | Soft copy archived on project share point site and project web site |
| Monthly project status meeting | Report in the status of project to management | Face to face  Conference call | Monthly | PMO | Project manager | -Slide update  -Project schedule | Soft copy archived on project share point site and project web site |
| Project status report | Report in the status of project including activity, costs,  issue | Email | Monthly | Project sponsor  Project team  Stakeholder  PMO | Project manager | -Project status report  -Project schedule | Soft copy archived on project share point site and project |

Project team director

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Role | name | email | phone | job |
| Project team | Manar Yasser | Mnor@gmail.com | 01045678346 | responsible |
| Manar samey | Mnor9@gmail.com | 01234564358 | accountable |
| Mariam easa | Mno8r@gmail.com | 01134678976 | consulted |
| Mona Mohamed | Mnorj@gmail.com | 01567894532 | informed |
| Mina ashref | Mnor7gmail.com | 01002387659 | consulted |
| Morkos shapan | Mnor6@gmail.com | 01000345642 | informed |