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**Project Plan**

**Template**

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| Project Sponsor |  |  |  |
| Project Review Group |  |  |  |
| Project Manager |  |  |  |
| Quality Manager  *(if applicable)* |  |  |  |
| Procurement Manager  *(if applicable)* |  |  |  |
| Communications Manager  *(if applicable)* |  |  |  |
| Project Office Manager  *(if applicable)* |  |  |  |
| Team Member 1 |  |  |  |
| Team Member 2 |  |  |  |
| Team Member 3 |  |  |  |
| Team Member 4 |  |  |  |
| Team Member 5 |  |  |  |
| Team Member 6 |  |  |  |
| Faculty Advisor |  |  |  |

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# Abstract

* Project TITLE: “**Sponsor Company: Project Title**”
* Team Members:
* Short Abstract (Max 150 Words. Try to answer the following: What? Why? How? So What?)

# Planning Basis

## Scope

The activities and tasks defined in the project plan must be undertaken within the scope of the project. For this reason, reiterate the scope of the project here as defined in the *Project Charter*.

## Milestones

A *milestone* is “a major event in the project” and represents the completion of a set of activities. Examples of milestones include:

* Business Case approved
* Feasibility Study approved
* Project Charter approved
* Project Team appointed
* Project Office established.

List and describe the key project milestones within the following table:

|  |  |  |
| --- | --- | --- |
| **Milestone** | **Description** | **Delivery Date** |
| Business Case Approved. | The Business Case has been documented and was approved by the Project Sponsor. | xx/yy/zz |
|  |  |  |
|  |  |  |

## Phases

A *phase* is “a set of activities which will be undertaken to deliver a substantial portion of the overall project”. Examples include:

* Project Initiation
* Project Planning
* Project Execution
* Project Closure.

List and describe the major project phases within the following table.

|  |  |  |
| --- | --- | --- |
| **Phase** | **Description©** | **Sequence** |
| Project Initiation | Defining the project by developing a business case, feasibility study and Project Charter as well as recruiting the project team and establishing the project office. | Phase # 1 |
|  |  |  |
|  |  |  |

## Activities

An *activity* is “a set of tasks which are required to be undertaken to complete the project." Examples include:

* Develop Quality Plan
* Formulate Supplier Contracts
* Perform Project Closure.

List and describe the major project activities within the following table.

|  |  |  |  |
| --- | --- | --- | --- |
| **Phase** | **Activity** | **Description©** | **Sequence** |
| Project Planning | Develop Quality Plan | Produce a document describing Quality Assurance and Quality Control and process review activities to be undertaken. | After the Project Plan but before the formulation of supplier contracts |
|  |  |  |  |
|  |  |  |  |

## Tasks

A ‘*task*’ is simply an item of work to be completed within the project. List all tasks required to undertake each activity, within the following table:

|  |  |  |  |
| --- | --- | --- | --- |
| **Phase** | **Activity** | **Task** | **Sequence** |
| Project Planning | Develop Quality Plan | Identify Quality Targets  Identify Quality Assurance Techniques  Identify Quality Control Techniques  Document Quality Plan | 1st  2nd  3rd  4th |
|  |  |  |  |
|  |  |  |  |

## Effort

For each task listed above, quantify the likely ‘effort’ required to complete the task.

|  |  |
| --- | --- |
| **Task©** | **Effort** |
| Identify Quality Targets  Identify Quality Assurance Techniques  Identify Quality Control Techniques  Document Quality Plan | *no. days*  *no. days*  *no. days*  *no. days* |
|  |  |
|  |  |

## Resources

For each task identified, list the resources allocated to complete the task.

|  |  |
| --- | --- |
| **Task©** | **Resource** |
| Identify Quality Targets  Identify Quality Assurance Techniques  Identify Quality Control Techniques  Document Quality Plan | *name*  *name*  *name*  *name* |
|  |  |
|  |  |

# Project Plan

## Communication plan

How do you plan to interact with your teammates? Sponsor? Faculty Advisor? Include your meeting schedule with sponsor and with your team

## Schedule

****Provide a summarised schedule for each of the phases and activities within the project.

Note: Refer to the Appendix for a detailed project schedule.

## Dependencies

‘Dependencies’ are logical relationships between phases, activities or tasks which influence the way that the project must be undertaken. Dependencies may be either internal to the project (e.g. between project activities) or external to the project (e.g. a dependency between a project activity and a business activity). There are four types of dependencies:

1. Finish-to-start *(the item this activity depends on must finish before this activity can start)*
2. Finish-to-finish *(the item this activity depends on must finish before this activity can finish)*
3. Start-to-start *(the item this activity depends on must start before this activity can start)*
4. Start-to-finish *(the item this activity depends on must start before this activity can finish).*

List any key project dependencies identified by completing the following table:

|  |  |  |
| --- | --- | --- |
| **Activity** | **Depends on©** | **Dependency Type** |
| Set-up Project Office | Appoint Project Team | Finish-to-start |
|  |  |  |
|  |  |  |

In the example given above, the activity ”Appoint Project Team” must finish before activity “Set-up Project Office” can start.

## Assumptions

List any planning assumptions made. For example:

It is assumed that:

* The project will not change in scope
* The resources identified will be available upon request
* Approved funding will be available upon request.

## Constraints

List any planning constraints identified. For example:

* The project must operate within the funding and resource allocations approved
* The project team must deliver the software with no requirement for additional hardware
* Staff must complete the project within normal working hours.

## Risk analysis/Contingency plan

What if something goes wrong? some team member gets sick? the software/equipment you need does not arrive?, please consider the lessons learned during project management session)

# Appendix

Attach any documentation you believe is relevant to the Project Plan. For example:

* Detailed Project Schedule (listing all project phases, activities and tasks)
* Other documentation (Business Case, Feasibility Study, Project Charter)
* Other relevant information or correspondence.

**e.g. This proposal document:**

1.- Proposal Template, available from <http://projectmanager.com>

# EVALUATION

(Describe how would you know by the end of the semester that the project was successful? On time?

* 1. **Progress Tracking Plan:** including meeting dates/times and format (online/ in-person). How do you plan to control your project? Earned value? Burnout Charts? Defect Tracking? include test plans)
  2. **Performance Metrics** – Define a set of Performance Metrics for your project/software and describe a plan to collect them: a performance metric “is the measurement of a particular characteristic of a program's performance or efficiency”, “software characteristics that are quantifiable or countable”. A metric is any form of quantitative or qualitative measurement of your project, and can be used to determine the success of your project. It can be collected by comparing the performance of your implemented solution to some existing one, or surveys or other approaches.