ABC HOSPITAL MANAGEMENT

# Introduction

Throughout this project plan we are following procedure to achieve successful project, for that as the first step we create the project vision. we primarily spell out the core idea and the business case justify the development effort. We establish vision, establish initial use case model complete preliminary non-functional requirement analysis and identify/document candidate architectures. As the second step we create initial requirement model which identifies the scope of our intended software and the functional and non-functional requirements. Third we going to create initial requirement model which indicate how we achieve the functional and non-functional requirements. Furthermore, we are creating master plan which indicate how we intend to achieve our aim. Risk List is important to aware and avoid the issues. Technical competency demonstrator our proposed technology technical skills to achieve our goals and finally we are talking about inception phase project status assessment.

# Project organization

Our team discussed to what sort of project we want to do, and we decided to work on Hospitality management. We are going to create online system for hospitality basically covering the functionality of the hospital.

Record of all the doctors, record of the patient and records of the nurses included in this system with Nurse registry patient registry, doctor registry. This system can be used by hospitals to hire doctors/nurses, to look at past medical history of patients. This system can be used by general people to find suitable doctors to channel accordingly. This project has the potential to be a revolution to the health and medical industry.

System project team members are

* H.K. Theekshana Ravinath
* Manusha Anjaana Liyanage
* Prabashi Mithma Gunawardana
* Kushal Regmi

In this project we all are collaborate equally to achieve this project goal successfully.

Task done by Theekshana

* A Risk List
* A Master Test Plan

Manusha’s assign tasks are

* A Project Vision
* An Initial Requirement Model

In this resource allocation project tasks done by Prabashi are

* An Initial Requirement Model
* An Initial Project Plan

Task done by Kushal

* A Technical Competency Demonstrator
* An Inception Phase Project Status Assessment

According to the guidance of the lecturer, we have decided to use “Asana “, in case of

doing all the communication activities via the team members. Most of the documents have

been uploaded to “Asana “, which makes every team member allow and access to the

documents and updatable details.

Link to access: https://app.asana.com/0/1166585221404488/list

# Project practices and measurements

There are some technical practices used in the project. Such as Scrum, Lean (LN), Crystal, DSDM, Adaptive software development and Agile unified process. That process is the main agile technical practice we used throughout this project. Agile unified process is an iterative and incremental process consisting of four subprocesses or workflows.

The components have been modified number of times to create number of variations. The unified process contains the rational unified process (RUP) and open unified process (Open UP). In our project Unified process is the main technical practices which we used. Technical practices such as Iterative development is a way of breaking down large project into smaller parts and complete it. By Iterative development software will be quicker and early during the software life cycle. Also, it’s more flexible.

Continuous Integration is a development practices and it requires developers to integrate code into shared repository several times. This method verified each method by automated build. And it allows team to detect problems early. Independent testing is an inferential statistical test that determines whether there is a statistically significant difference between

the means in two unrelated groups. How we Track the process of the project are

First, we create Deadlines for each task so that we can track the progress of each and every task. In our project there are only two members. So, in our meeting we create project outline for track the project progress. Checked regularly: we checked the project progress regularly, our communication mechanism slacked helped us in this process to track the progress. Established goals and milestones Setting up tailored goals and milestones with each member of the team also goes a long way toward team satisfaction. It’s important to stress each team member’s role and how it will contribute to the success of the team. Keeping the big picture in mind is always important, even while implementing smaller goals and points

of progress.

# Deployment

Software deployment brings many key advantages to enterprises. Tasks like installing, uninstalling and updating software applications on each computer are time consuming.

Software deployment services reduce the time and make the process error free. The software can be easily controlled and managed through deployment. You can also monitor software information and the actions of users.

Create a checklist / pipeline of things to do before and after delivery to ensure data protection. The process of continuous integration should be implemented to ensure that any change is checked for implementation before it is submitted and there are no other errors along the way. Similarly, adopt [Continuous Delivery](https://opensenselabs.com/blog/articles/continuous-delivery-drupal?utm_source=oslwebsite&utm_medium=blog&utm_campaign=Continuous%20Delivery) (CD).

Invest in standard operating environments (SOEs) that help ensure the consistency in the environment

[Automate the build](https://opensenselabs.com/blog/articles/drupal-infrastructure-code?utm_source=oslwebsite&utm_medium=blog&utm_campaign=IAC) with tools that can simplify the process of tearing down an entire infrastructure stack and rebuild it from scratch.

Have a systematic process for creating alerts that can warn teams about the changes or notify about the issues in real-time.

# Project milestones and objectives

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| **Subject** | **Phase** | **Iteration** | **Dates** | **Primary objectives** (risks and use case scenarios) |
| ITC303 – Software Development Project 1 | Inception Phase | I-1 | 13/03 – 26/03 | Establish Vision  Establish Initial Use Case Model  Complete Preliminary Non-functional Requirement Analysis  Identify/Document Candidate Architectures  Establish Version Control |
| I-2 | 27/03 – 9/04 | Establish Risk List  Complete Full Description for Critical Core Risky Difficult (CCRD)Use Case  Implement Technical Competency Demonstrator  Create Test Plan  Establish Initial Project Plan  Deliver Life Cycle Objectives Milestone (LCOM)  Complete Inception Phase Project Assessment |
| Elaboration Phase | E-1 | 10/04 – 23/04  (Session Break) | Mitigate Highest Priority Risk(s)  Implement Highest Priority Architectural Element(s) to Support CCRD Use Case  Complete Development Testing for Highest Priority Architectural Element(s) |
| E-2 | 24/4 – 7/05 | Mitigate 2nd Highest Priority Risk(s)  Implement 2nd Highest Priority Architectural Element(s) to Support CCRD Use Case  Complete Development and Integration Testing for 2nd Highest Priority Architectural Element(s) |
| E-3 | 8/05 – 21/05 | Mitigate 3rd Highest Priority Risk(s)  Implement 3rd Highest Priority Architectural Element(s) to Support CCRD Use Case  Complete Development and Integration Testing for 3rd Highest Priority Architectural Element(s)  Deploy Executable Architecture in Trial Environment  Complete Internal User Acceptance Testing for CCRD Use Case in Trial Environment |
| E-4 | 22/05 – 2/06 | Contingency  Deliver Life Cycle Architecture Milestone (LCAM)  Complete Elaboration Phase Project Assessment |
| Mid-year Semester Break | | | | |

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| Mid-year Semester Break | | | | |
| ITC309 – Software Development Project 2 | Construction Phase | C-1 | 10/07 – 23/07 | Implement 2nd Highest Priority Use Case(s)  Complete Development and Integration Testing for 2nd Highest Priority Use Case(s)  Complete Internal User Acceptance Testing for 2nd Highest Priority Use Case(s) |
| C-2 | 24/07 – 6/08 | Implement 3rd Highest Priority Use Case(s)  Complete Development and Integration Testing for 3rd Highest Priority Use Case(s)  Complete Internal User Acceptance Testing for 3rd Highest Priority Use Case(s) |
| C-3 | 7/0 – 20/08 | Implement 4th Highest Priority Use Case(s)  Complete Development and Integration Testing for 4th Highest Priority Use Case(s)  Complete Internal User Acceptance Testing for 4th Highest Priority Use Case(s) |
| C-4 | 21/08 – 3/09  (Session Break) | Contingency  Deliver Initial Operation Capability Milestone (IOCM)  Complete Construction Phase Project Assessment |
| Transition Phase | T-1 | 4/09 – 17/09 | Deploy Application in Trial Environment  Complete 1st Round External User Acceptance Testing  Resolve Any Identified Issues |
| T-2 | 18/09 – 1/10 | Complete 2nd Round External User Acceptance Testing  Resolve Any Identified Issues |
| T-3 | 2/10 – 13/10 | Contingency  Deliver Product Release Milestone (PRM)  Complete Final Project Assessment |