



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section

Course

Code

Thursday

Date

Master

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Advanced project Management

Instructions:

- اخر موعد للتسليم هو يوم الخميس 2021-05-20 في تمام الساعة 9 مساءً.
- الإجابة متاحة باللغة الإنجليزية أو اللغة العربية مع مراعاة أن تكون المصطلحات العلمية باللغة الانجليزية.
- يتم تسليم المشروع في صيغة ملف pdf مع الالتزام نموذج الجامعة ولن تقبل أي مستندات أخرى.
- يجب مراعاة أقسام البحث الرئيسية (مقدمة Introduction، دراسات علمية سابقة Literature Review، طريقة البحث Methodology، النتائج والمناقشة Results and Discussion، وأخيراً المراجع References . وان كان هناك ملحقات Appendices يتم إضافتها)
- يجب الالتزام بـ Theme موحد كما يلي:
- حجم الخط 12.
- نوع الخط Arial.
- لون الخط أسود.
- المسافة بين الأسطر 1.5 line spacing

1. Introduction

This project is about building and designing an internal solution that would help the department to organize manage and get insights about the currently running tasks/projects.

Project Management Software is software used by a wide range of industries for project planning, resource allocation and scheduling. It enables project managers as well as entire teams to control their budget, quality management and all documentation exchanged throughout a project.[1]

In this project I will use the agile approach to accept and welcome changes throughout the project lifecycle.

Why Agile methodologies to help increase team performance, improve customer satisfaction and increase project versatility. Organizations that have adopted Agile methodologies are able to respond to market dynamics and complete more of their projects successfully.[2]

So using agile and one of it is framework will most effective in assigning and management the team

2. Literature review

2.1. Agile

In software development practices involve discovering requirements and developing solutions through the collaborative effort of self-organizing and cross-functional teams. It advocates adaptive planning, evolutionary development, early delivery, and continual improvement, and it encourages flexible responses to change.[3]

Using the **scrum** framework will be the appropriate approach to manage a team that respond rapidly to change

2.2. Scrum

Scrum is a framework within which people can address complex adaptive problems, while productively and creatively delivering products of the highest possible value.

Scrum is a lightweight framework that helps people, teams and organizations generate value through adaptive solutions for complex problems.[4]

3. Methodology

In a nutshell, Scrum requires a Scrum Master to foster an environment where:

- A Product Owner orders the work for a complex problem into a Product Backlog.
- The Scrum Team turns a selection of the work into an Increment of value during a Sprint.
- The Scrum Team and its stakeholders inspect the results and adjust for the next Sprint.
- Repeat [4]

Scrum includes the following

The Scrum Values

Although always considered to be a part of Scrum and often written about, in July 2016, the Scrum Values were added to The Scrum Guide. These values include Courage, Focus, Commitment, Respect, and Openness



The Scrum Team

The fundamental unit of Scrum is a small team of people, a Scrum Team. The Scrum Team consists of one Scrum Master, one Product Owner, and Developers. Within a Scrum Team, there are no sub-teams or hierarchies. It is a cohesive unit of professionals focused on one objective at a time, the Product Goal.

Following this approach will allow me to use the sprint feature in the scrum framework in order to come up with increment or Minimal Viable Product every two 2 weeks.

We agreed to have our sprints to be 2 weeks long so we are delivering a version every 2 weeks.

It will enable me as the project manager from having a self managed team that have a cross functional talents to equally share the responsibility

4. Results

While the scrum I'm talking about is most frequently used by software development teams, its principles and lessons can be applied to all kinds of teamwork. This is one of the reasons scrum is so popular. Often thought of as an agile project management framework, scrum describes a set of meetings, tools, and roles that work in concert to help teams structure and manage their work.[5]

5. References

- 1- <https://mopinion.com/top-20-best-project-management-software-an-overview/#:~:text=Project%20Management%20Software%20is%20software,documentation%20exchanged%20throughout%20a%20project.>

- 2- <https://projectmanagementacademy.net/agile-methodology-training#:~:text=Many%20organizations%20are%20adopting%20Agile,more%20of%20their%20projects%20successfully.>
- 3- <https://projectmanagementacademy.net/agile-methodology-training#:~:text=Many%20organizations%20are%20adopting%20Agile,more%20of%20their%20projects%20successfully.>
- 4- <https://www.scrum.org/resources/what-is-scrum>
- 5- <https://www.atlassian.com/agile/scrum#:~:text=Scrum%20is%20a%20framework%20that%20helps%20teams%20work%20together.&text=This%20is%20one%20of%20the,structure%20and%20manage%20their%20work.>