



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section

Master

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Course Code

(PMG506)

Advanced project Management

Instructions:

- اخر موعد للتسليم هو يوم الخميس ٢٠٢١-٠٥-١٨ في تمام الساعة ٩ 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 ١٢.
- نوع الخط Arial.
- لون الخط أسود.
- المسافة بين الأسطر line spacing ١,٥
- عدد صفحات البحث (لا يقل عن ثلاث صفحات ولا يزيد عن ست صفحات).

Instructor's Name: ~~Eng. Amaal Aburumman~~ **Eng. Dr. Akram M. S. Ali**

Project Title: Design and Execute water and wastewater network systems in Al-Wadi District in Al-Madinah Al-Munawwarh City

Introduction:

Due to rapidly population growth, the need to expand in water and wastewater infrastructures should be adopted and considered as a main daily human being needs to live. Therefore, I'm as project manager with my team are working to design and construct a water and wastewater system around Al-Madinah Al-Munawwarh city to serve more than 1 Million people classified as local and visitors people.

However, Such projects need to have a well-defined communication management tools, techniques and methods in order to communicate and share project information with different kind of stakeholders whom have different level of interest, power, influencing with different concerns, needs and requirements as well as between project team themselves.

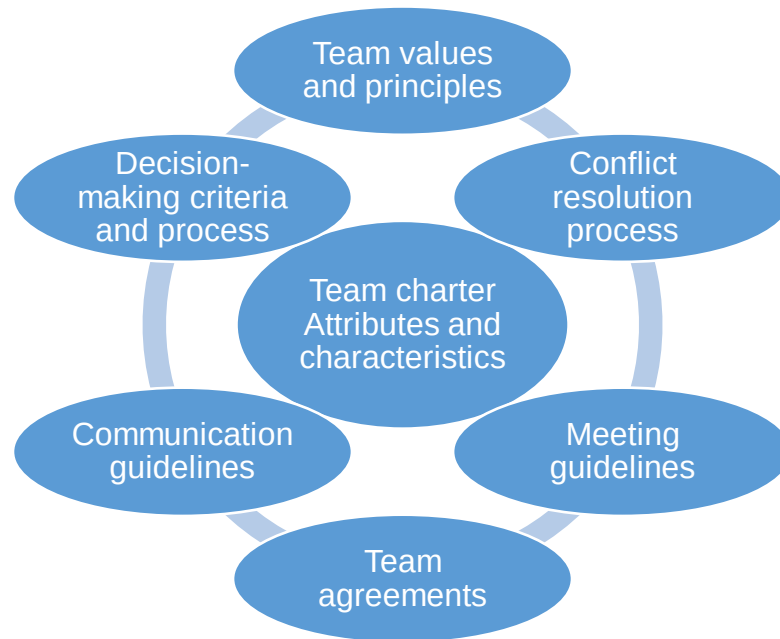
The communication management is the way to share the information by send it from a sender to receiver via different communication method, which may use several media through the communication activities and/or artifacts. Therefore, the communication management become more important, with significant impact on project successful specially when there is a wide range of stakeholders involved in projects and with huge number of project team which lead to have a robust strategic plan to maintain communication with the team member through setup team charter, this might be considered as a key factor to keep and maintain collaborative and constructive communication with team members. Therefore, we will discuss and study this factor as a key element to maintain communication with the team member.

Literature Review:

Team charter is a document signed-off by a group or individual team whom working together, that establish ground rules and set of guidelines and process such as Communication guidelines, Decision-making criteria and process, Conflict resolution process, Meeting guidelines, Team agreements, Team values and principles...etc (ref. 1 & 2). to working effectively together (see figure no. 1). It is collaboratively prepared by core team and agreed upon by the entire team. The team charter enhancing the team

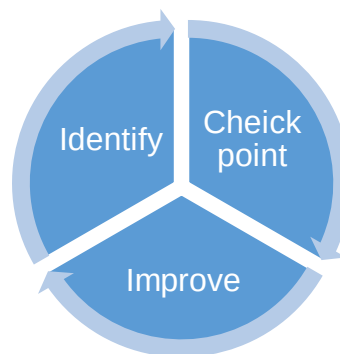
norms in tangible way that goes beyond the scope statement of the project and states in explicit terms the norms and values of the team (ref. 4).

Figure number 1: Team charter Attributes and characteristics



Methodology:

To establish the team charter in the way that make it dynamic and live document that maintain communication with the team member in high collaborative, constructive and effective way, we identified three cycle components:



- 1- Identify: establish the team charter document taking into account the entire Attributes and characteristics

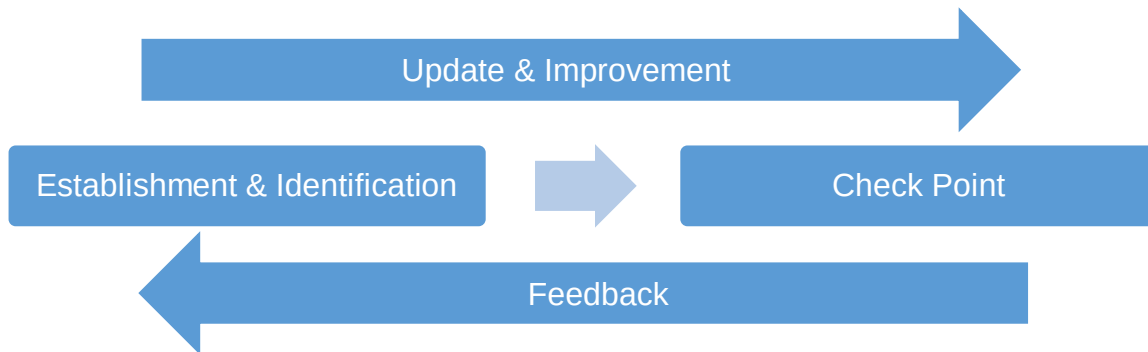
- 2- Checkpoint: Mainly related to project life cycle phases, milestone and significant factors of changing during the project that may imposed reassessed and update the team charter document to structure and enhance team readiness to deal with each new phase's requirements and its nature. Table number 1 illustrate the identified check points for updating team charter.

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Sr.	Checkpoint (Phase)	Main Factors (example)	Focus Points
1	Project Study & Design	- Compliance planning & Technical aspects is high	Establish the team charter including entire Attributes and characteristics
2	Startup the Execution Phase	- Team acquisition and team building	Update the team charter taking into account new team member, Team values and principles and Team agreements
3	Finish main pipelines	- Site location will be expanded - High coordination is required	Update the team charter taking into account communication method and system reassessment and enhancement
4	Finish branch lines	- Work will start to be close to customers householder	Update the team charter taking into account team norm reassessment and enhancement
5	Start contract the customer house connection services	- Massive increase in interested stakeholders	Update the team charter taking into account meeting guidelines reassessment and enhancement

3- Update and improve: update the team charter periodically and collaboratively

Furthermore, we identified a cycle model to keep and maintain the team charter fulfill environment and requirements changing alongside project lifecycle as follow:



Results and Discussion:

By establishing the team charter in collaborative, periodic review and update, we figure out significant improvement such as:

- Team communicated in well-defined system and process
- Team face a little conflict not even exceed the constructive conflict boundaries
- The performance has been increased rapidly due to clear process and guidelines set out.
- Reflect a professional and trustable team coherence.
- Enhanced work environment and organization respectful.

Where there are still a place for improvement by looking forward to use smart technologies to foster the communication methods between team members which will facilitated and enabling for more interactively.

References:

1. A guide to the project management body of knowledge (PMBOK guide) / Project Management Institute. Other titles: PMBOK guide, Project Management Institute, publisher.
2. A Project Manager's Book of Forms Third Edition A Companion to the PMBOK® Guide – Sixth Editio, Cynthia Snyder Dionisio

3. The Team Charter Assignment: Improving The Effectiveness of Classroom Teams, Pamela L. Cox Cazenovia College Paula E. Bobrowski State University of New York (SUNY) at Oswego
4. THE PORTABLE MBA in PROJECT MANAGEMENT, EDITED BY ERIC VERZUH, Published by John Wiley & Sons, Inc., Hoboken, New Jersey
5. PROJECT MANAGEMENT: THE MANAGERIAL PROCESS, SEVENTH EDITION, Published by McGraw-Hill Education, 2 Penn Plaza, New York, NY 10121. Copyright © 2018 by McGraw-Hill, Education. All rights reserved. Printed in the United States of America.