**MWENGE CATHOLIC UNIVERISITY**

**(MWECAU)**



**FACULTY OF SCIENCE**

**DEPARTMENT OF NATURAL SCIENCE AND INFORMATION TECHNOLOGY**

**COURSE NAME** : MANAGEMENT AND CONTROL OF SOFTWARE

**COURSE CODE** : CSC 312

**COURSE INSTRUCTOR**: Mr.R.MNYAWI

**NATURE OF TASK**: INDIVIDUAL ASSIGNMENT

**NAME OF STUDENT**: PETER JOHN MICHAEL

**REGISTRATION NUMBER:** T/DEG/2020/1101

You are the project manager of a software development project. This project will create software that will be used by 257 sales representatives within your organization. Martin, the sales manager, is apprehensive about the project and wants you to keep him posted on all aspects of the project. Your sponsor, Charlie, agrees that he and Martin should have status reports every week to keep them abreast of the project. Many of the salespeople would also like to know what’s happening with the project, as the software will help them improve their sales and commissions. Your project will also work with six vendor-based contract developers that will help your team develop the code for the software. The six developers are not physically located in your building but are in the United States and in India. You’ve also hired a freelance writer to work with your ten-person project team to write the help system content for the application

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1. Given this information, how many communication channels do you, the project manager, have in this project?

Answer,

From the formula

n(n-1)/2

n is the number of whole participants in the communication channel which are 277.

But

277(277-1)/2

38226 channels will be obtained.

2. Your project is going well, and Charlie asks for a change to the project scope. Charlie would like to incorporate some database hooks to the project. As part of this change, you’ll need to add four database administrators to the project. How many more communication channels will you have with these four additional project team members?

Where

From the formula

n(n-1)/2

n is the number of whole participants in the communication channel which are 281.

Therefore to get whole channels after adding four participants

281(281-1)/2

39340 channels will be obtained.

To obtain new channels

39340-38226=1114

New channels were 1114 channels.

3. What approach will you use to communicate regularly with Charlie and Martin?

* Weekly Report will be the best approach to be used to communicate with Charli and Martin

4. What approach will you use to communicate with the sales representatives?

* Verbal
* non-verbal communication example phone, email, meeting blogs

5. What challenges will you have communicating with the project team?

* Cost
* Cultural difference
* Low technology between location
* Time difference among the participants
* Physical barriers.

6. In the space provided next draw and identify all of the parts of the communications model for someone sending an email.

