



BAHRIA UNIVERSITY (KARACHI CAMPUS)

Engineering Management (MGT- 423)

Assignment 01

Spring 2024

Class: BSE 4A

Course Instructor: Asim Iqbal

Assignment Date: 12 Mar 2024

Student Name: ABDULLAH

Shift: Morning

Due Date: 18 Mar 2024

Marks: 05 Points

Registration #: 81962

Question: Answer the following questions. You may make use of any case study discussed in class or that you have studied with reference:

- a) **Why is it so important for an engineer today to have knowledge of multiple disciplines in addition to his field of expertise?**

Answer:

In today's world, everything is connected and linked with any other thing. So, to work in an industry an engineer should have knowledge enough to solve the problems effectively related to a field he is working in. For example, if a Software Engineer is working for a finance firm, he must have some basic knowledge related to loans, cash flow, businesses etc.

- b) **What are the different roles the engineer needs to play in a firm in addition to the traditional roles of design, development, and testing?**

Answer:

Besides testing, design and development, an engineer should play the leading role in any project i.e. supervise the project and make sure that it fulfills the quality standards. In addition, an engineer must have problem solving skills so he/she can think critically to analyze the root cause of the problem and provide the best and most efficient solution for it.

- c) **What does it mean to be Strategic?**

Answer:

Being strategic means to think in long term, having goals, and a plan to fulfill the goals. A strategic person has a bigger picture in mind and acts accordingly to achieve the goals.

- d) **Why do companies have a Strategic Plan?**

Answer:

Companies use Strategic Plan to achieve their future goals by breaking the long-term goals into short goals. By doing this, everyone in the organization works on the same page with a motive to move forward and achieve their goals.

e) Why is the Strategic Plan important to the Project Manager?

Answer:

A project manager has a responsibility to oversee the progress of the overall project, for which he/she needs a strategic plan. With a proper strategic plan and a vision, he/she can take decisions and think critically. Additionally, a strategic plan helps project managers to evaluate the resources and allocate where they are needed the most. Overall, a project manager needs a Strategic Plan to align with the organization's goals and keeping all stakeholders, employees, clients team members on the same page to achieve the motive.