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|  | **BAHRIA UNIVERSITY, (Karachi Campus)**  *Department of Software Engineering*  **Assignment 1 - Spring 2023** |  |



COURSE TITLE: **SOFTWARE QUALITY ENGINEERING** COURSE CODE: **SEN-321**

Class: **BSE-6 (B)** Shift: **Morning**

Course Instructor: Sohaib ur RehmanTime Allowed:  **1 Week**

Submission Date: **1st May 2023** Max. Marks: **5 Marks**

**Question No. 1 [CLO1: 5 Marks]**

Assignment Title: ISO 9000 Model and Quality Management

Task:

1. Define the ISO 9000 Model and explain its significance in the field of quality management. Provide examples of industries or organizations that commonly use the ISO 9000 Model, and explain why it is important for them to do so.
2. Label and describe the three different components of the ISO 9000 Model, which include ISO 9001, ISO 9002, and ISO 9003. For each component, explain its purpose and the requirements it outlines for an organization seeking ISO certification. Provide examples of the types of organizations that would benefit from each component.
3. Identify and record the steps required for an organization to become ISO certified. Explain the role of an external auditor in the certification process, and the importance of maintaining a quality management system after certification has been achieved.
4. Name and list the key quality management principles outlined by the ISO 9000 Model, such as customer focus, leadership, and continuous improvement. Explain how each principle contributes to the overall success of a quality management system.
5. Tell and explain the benefits of implementing a quality management system based on the ISO 9000 Model, both for the organization and its customers. Provide examples of how ISO 9000 certification can lead to improved product quality, increased customer satisfaction, and a more efficient organization.

Submission Requirements:

Use reputable sources to research and support your answers and mentioned all references.

Your answers should be clear, concise, and free of errors.

Your assignment should be properly formatted with headings, subheadings, and lists where appropriate.

Your assignment should be 3-5 pages in length, double-spaced with 12 pt font size.