Republic of the Philippines

**Eulogio "Amang" Rodriguez Institute of Science & Technology**

Cavite Campus

Assignment #1

Subject Code: SYSARCHI2

Subject Description: System Integration and Architecture2

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Course: BSINFOTECH IV

Directions. Please read any System Integration and Architecture (as Information Technology) books, ebooks or pdf for your reference. Give at least 2 definitions.

1. System Integration
2. Enterprise Resource Planning
3. Functional Silo
4. Information System

* System integration defined in engineering as process of bringing together sub system to make a one system with that in mind all the sub system can communicate to a universal middleware adapter and the middleware will make sure all the sub system will work as a system. The system integration utilize a variety of techniques like manual programming network programming. In the modern world the role of system integration engineers is important more system is designed to connect both within the system under construction and the systems that are already deployed
* Enterprise resource planning (ERP) is a process used by companies to manage and integrate the important parts of their businesses. Many ERP software applications are important to companies because they help them implement resource planning by integrating all of the processes needed to run their companies with a single system. An ERP software system can also integrate planning, purchasing inventory, sales, marketing, finance, human resources, and more.
* Functional Silo is a process of integrating sub systems according to their functionality by creating functional entity the benefit of this method is the integration is performed quickly it involves only the necessary functions therefore this method is way cheaper in short term.
* Information Systems allow users to collect organize and distribute all the data that the system gather and it can serve many purpose for the companies like analyzing the data for a decision that can affect the company career the example of this is Enterprise resource planning (ERP) or collecting the data to a specific location and know what is the most selling product their and plan to build a retail store their the example of this information system is Geographic information systems (GIS). There are many information system that can help companies but Many people think of information systems as computer-based technology. While information systems often incorporate computers to help manage data and achieve business objectives, they do not necessarily have to include computers.