

With the love of BESSA<3

Is written

Value chain Model :

1. **highlights** specific activities in the business where
 - **information systems** have a strategic impact
 - **competitive strategies** can best be applied
2. **firm** use **information technology** to enhance its **competitive position**
3. Value chain **Activities** :
 - **Primary activities**: are **related** to the **production and distribution** of the firm's products and services that create **value** for the **customer**.
 - **Support activities**: make the **delivery** of the **primary activities** possible

consist of

 - **organization infrastructure**
 - **human resources**
 - **technology**

Converged Networks :

1. Multiple **services**-multiple **networks**
2. **Technology advances** are enabling us to **merge different** networks onto **one platform**
3. **platform** defined as a **converged network**
4. **The flow** of voice, video, and **data** traveling over the **same network cancels** the need to **create separate networks**

Systems Request :

1. properly **designed** form of the **request** process to **ensure consistency**
2. Many **companies** use **online systems** to **request** forms that can be **filled in** and **submitted electronically**.

Systems Analysis :

1. **Purpose** => **understand business requirements** and build a logical model
2. **end product** is the **system requirements document**

Systems Design :

1. **purpose** => is to **create** a **blueprint** that satisfies **requirements**
2. whether **developed** in-house or **purchased** as a package
3. you need to **identify** all necessary **outputs, inputs, interfaces, and processes**.
 - UI-UX
 - Database Design.
 - Business processes Design

Systems Implementation :

1. new **system** is **constructed**
2. **Programs** are **written**, tested, and **documented**, and the **system** is **installed**.
3. The **objective** of the implementation => **completely functioning and documented information system**.
4. Includes **systems evaluation**, to determine the system **expectations** from **costs** and **benefits**.

Internet – intranet - extranet

Differences	Intranet	Extranet	Internet
Used for	Private	Private	Public
Types of users	Provide information for organization employees	Provide information to suppliers, customers and business partner	Provide information for public
Usages	Telephone directories, internal job opening, employee information	Access data, check status, place orders, send email	Access all kinds of information
Security	High	Use virtual private network (VPN) technology to communication over the internet more secure	Loose

Forms of E-commerce

B=business

C=consumer

G=government

1. B2B	1. C2C	1. G2G
2. B2C	2. C2B	2. G2C
3. B2E		3. G2B

E =employee

Web Usage:

- mining focuses on **knowledge** discovery from the usage of **individual's websites**

determine whether the project succeed or fail and calculate the total profit or failure using discounted cash flow

بص هيچيلك مساله شبه دي و غالبا المساله دي ف متبصميش اوي احفظ القانون و بص بتطلع المعطيات ازاي و انا مظبطلك كل لون بمعطي

- $PV = FV / ((1+i)^n)$

- **For example:** if you lent a project will benefit \$200,000 in three years with interest rate of 2 percent and the initial project costs 150,000 determine weather the project succeed or fail and calculate the total profit or failure using discounted Cash Flow?

- PV of benefit = $FV / ((1+i)^n) = 200,000 / ((1+0.02)^3) = \188679

- Profit = PV of benefit - costs

- $= \$188679 - 150,000 = \$38.679 \rightarrow$ the project succeed

منتسوش اخوكم بسببس ف دعانكم