## Software Engineering

81. What are the generic framework activities that are present in every software process?

Software processes generally consists of a set of frameworks activities that are essential for the development of software. The generic framework activities present in every software process are:

Communication:

- · Understand the problem and desired solution.
- · Involve stakeholders, customers, developers and users.
- · Establish ongoing feedback channels.

Planning:

- · Define project scope, goals, milestones.
- · Identify risks and plan how to deal with them
- · Allocate people, time, budget and resources.

Modeling:

Create models for requirements, designs and analysis

Visualize the system's structure and behavior.

Facilitate communication among team members.

Constructing:

- · Write, test and integrate software components.
- · Iranslate design models into code.
- · Validate code against requirements.

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	Deployment:
	Deliver the software to users.
	. II has at environment.
	Monitor system performance and usage:
3160	I lonitor system pertormance
Q2.	Difference between prototype model and waterfall model with example.
20. 40	of several personal consider of a set of framework whites to
Ans	Waterfall Model: 100 001 . 300 102 10 1000000000000000000000000000
	Working: -: 376 2230079 37665902 9302 10 363257
	Like climbing down a waterfall, one step at a time.
	Each phase is completed before moving to the next.
	* Understand the problem and desired solution.
	When to use: . soon has engalerab enamoters enshinded entered .
	Best for projects with clear, unchanging requirements.
	Works well when everything is known for the start.
	· neiner ·
	Customer involvement: associastica et as a social similar et as a so
•	customers are mainly involved at the beginning and end
	Example:
	Building and basic website with fixed features, like a personal blog.
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	1 C
	Like building a rough model and:
	It is flexible and involves constitutions.
	It is flexible and involves creating an intial version and refining it
	in the first still
	When to use:
	Good for projects where requirements are not clear or may change
	are not clear or may change

· Works well for creative projects with evolving ideas.

Customer involvement:

· Customers are actively involved throughout, providing feedback on prototypes

Example:

- · Developing a new mobile app with features that might change based on user feedback, like a social media app.
- Q3. Discuss about risk model is beneficial or MNCs Projects. Explain its pros and cons for this model.
- Ans. While a risk management model offers valuable benefits for MNC.

  projects, it is crucial to balance its use with projects needs and

  cultural considerations.

Pros:-

1. Better Problem Anticipation:

Helps identifying potential issues across cutition locations and cultures

2. Informed Decision Making:

Guides decision making by assessing the likelihood and impact of risks.

3. Proactive Problem solving:

Encourages addressing issues early to avoid delays and complications.

4. Improved Communication:
Enhances communication among teams from diverse backgrounds.

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T	Begulatory Compliance: The varied legal and regulatory requirement.	,
٥.	Ensures projects align with varied legal and regulatory requirements	/
	: themation to the transition	
	Consider printing the deposit buttered planter are manufactured.	
	Besources Intensive:	
1,	Reguires time and effort, which may be challenging for tight schedules	
	regard a race mobile app with features that might compere	
2.	Excessive Documentation: , que ribert lines a still Monday 1981	
	Could lead to to much paperwork, potentially diverting attention for actual	
	Last Discuss about risk model is bureficial or Mice Projects. Exposition	1
	11 - Lisbour Eight and some for story	F
3.	Uncertain Future Events:	1
134	Not all future events can be predicted occurately.	-
-	· F acces on any organization of the same of the	M
4.	Cultural Challenges:	E
	Implementation across different cultures may face Communication harden	F
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2.	Resistance to Change:	
. 25	Some team members may resist new practices, affecting implementation	
24.	Deruge customer and	
3	Discuss customer mythe about software development and their	
	effect on the practitioner's performance as well as on overall	
Ans.	Common customer myths in soft	
	Common customer myths in software development:	1
	Muth: Features Const.	1
	Effect: Causes confusion and delays, affecting developer's focus	1
	graftecting developer's focul	1

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Myth: "It should not take that long."

Effect: Unrealistic timelines lead to pressure, impacting morale and quality

Myth: "Do not need testing."

Effect: Ignoring testing leads to bugs and stress for testors.

Myth: "Adding more developers will speed up the project."

Effect: Overloading team hampers communication and productivity.

Myth: " Technology X is better than Technology Y and always."

Effect: Insisting on a specific tech without considering needs frustrates developers.

Myth: "We can cut costs by skipping Planning."

Effect: Skipping planning causes thous chaos, rework and missed dead lines.