Assignment-01

Q: Write a note on Requirement Hickation and analysis.

About Requirement Hickation:

if It is a symmetric process of gotherwing, analysing, and defonding stakeholders needs and expectations for a proposed solution.

ii) It is a creatical part of 8DLC and typically performed at the beginning of the project.

involvés techniques to uncovere, document, and validate Requirements, ensuring clarity and alignment among project stakeholders.

Put This process is communication intensive and benifits from an affective customer developer partnership.

Key Activities in Requirement Lice hation:

i) Requirement westation includes identifying

Stakeholders, underestanding customer problems,
investigating user needs, and defining system development

Constraints.

Trocesses it will support and the end users, project sponsoris, and subject matter experts to lander stand their needs.

ly proporcitizing requirements based on their importance to project's success 9 documenting them clearly.

iv) This process is iteratives continuously refining and updating requirements based on staticholderis feedback, and requires fleribility to adapt to changing needs and project constraints

* Techniques for Requirement Flicitations

Various techniques that are required &

O Intercviews, @ workshops, 3 observations

- 1 Surveys, @ probabyping, @ document Analy 815
- D Intereviews involve 1-on-1 sessions to gathere detailed insights. Dwhite wordshops are group sessions for brainstorming and consensus-buildings
- 3 Observations involves directly Watching users.
 Or processes to identify requirements, and
 Ourveys gather inforzmation from a large
 audience.
- @ prototyping circults mocy-ups to visualise trequirrements, and document analysis reviews existing documentation for insights

* Requirement Analysis Method:

Analysis techniques include product analysis; process modeling, context diagrams, user stordes, story maps, decision tables, data flows diagrams, and state and sequence diagrams

- * Dest practices for Successful Floritations
 - 1) forcensuring, engage stateholderes early, maintain open communication, use multiple techniques, document requirements clearly.
 - everlooking non-vertool cuess

sy Adapt to changing rectieinements and stakeholders needs, and ensure that the elicitation process is flexible Assignment-02

Que Explain Requirement Analysis:

1) Requirement Analysis, also known as Requirement engineering, is the process of determining users expectations for a new or modified product.

It is a collaborative effort that demands critical thinking, effective communication, and found judgement to finalize and document, the necessary features and functionalities.

37 The promarcy goals of requirement analysis are to clarify the vision of the new product, understand stakeholders expectations, prevent conflicts during development, and ensurce the final product aligns with the specified recquirements.

Key Steps in the Analysis Process:

if Effective requirement analy 818 offers several key benifits, including a well-defined project scope, more productive disscussions among stakeholders, smoothere perfect planning, early conflict resolution, reduced miscommunication and recovery, and a shared underestanding of business goals among team

members. User A thorough analysis increases the likelihood of at A thorough analysis increases the likelihood of delivering a successful product that satisfies endiuser expectations and achieves its intended purpose of furthermores, it aids in preventing feature croep and ensures the project remains focused on its corre objectives.

- * Techniques and Tools Used:
 - 1 Various techniques and tools facilitate the requirements analysis process.
 - D'Thèse includes Business process Moderand Notation (BPMN), flowchards, Ganttchards, and gap analysis
 - 3 BPMN helps standardize graphical representations of processes, while flow charts sheetnate relations between activities.
 - 4) Gant charits aid in projects planning by visualizing tasks and timelines, and gap analysis evaluates a product's performance against it's requirements
 - These tools supporch project teams in effectively analyzing and finalizing requirements