Requirements modeling

→ at technical level, s/w Engineering begins with series of modeling tasks that lead to specification of requirements & design representation for s/w to be built.

rqmts model

→ actually set of models is first technical modelling methods.

→ Requirements modeling user a combination of text & diagrammatic forms to depict requirements in a way that is relatively easy to understand, & important is straightforward to review for correctness, complete-ness & consistency.

→ s/w engineer does this.

→ To validate s/w requirements, you need to examine them for different view points.

→ scenario based requirement modelling represents system from user's point of view.

so, able to better understand how user interacts with s/w, uncovers major func. & features that stakeholder requires of system

→ produces text-oriented representation "use case".

use case: describes specific interaction in informal (or) in formal or structured nature.

use case can be supplemented with no. of different UML diagrams that outerlay more procedural view of interaction.

→ work products from rqmts modeling reflect the needs of all stakeholders & establish a foundation from which design can be conducted.

Requirement Analysis

→ this results in specification of s/w operational characteristics indicates s/w's interface with other s/w elements & establishes constraint that s/w must meet.

→ allows you to elaborate on basic rqmts established during inception, elicitation & negotiation.

takes (part of rqmts Engineering).