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Q1 what do you mean by engineering? How it is different from Software engineering? As we know there are certain steps involved in Software development lifecycle of different models like waterfall, prototype, RAIN, spiral. Suggest a new software development that is different from these

(A1). Engineering is the disciplined application of science, mathematics & logic to design, build & maintain solution. that solve real world problems.

Engineering (Civil, electrical, medical)	Software Engineering
Deals with physical system	Deals with logical & abstract system
Changes are expensive & irreversible	Change are cheap but dangerous
Failure are visible & sometimes Catastrophic	Failure are silent but widespread
Material obeys natural laws	System obey human Assumption, not physics

⇒ All models focus on process, flow not on developer cognition, failure patterns & learning loops.

- [New Mode]

L . E . A . R . N Model [Logic Driven evolutionary Adaptive Resilent Network]

→ L-Logic → this phase ignore U I & focuses only on thinking correctness. Unlike Waterfall.

→ E-Experimentation phase → Experiments are logic-first, not design first. Unlike Prototype

→ A-Architecture freezing phase = Solves biggest weakness of Agile & : achitecture erosion.

→ R - ReSilient Implementation phase → focus is Survivability not just functionality.

→ N →Natural evolution phase → opposite of feature-blowting Agile teams