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Date: / /

Q) What do you mean by Engineering and how it is different from software Engineering?
As we know there are ~~certain~~ ^{several} steps in software development cycle of different models waterfall model, prototype model, RAB, spiral, agil.

Suggest a new software cycle other than these cycles.
(70 words & diagram)

Sol) Engineering → creative and analytical process of converting ~~of~~ scientific knowledge and human needs into practical.

Software Engineering → Branch of engineering that focuses on the systematic development of software system.
Key difference → Engineering traditionally deals with ~~tangible~~ tangible structures (physical object) & machines
Software engineering deals with intangible logic and behaviour (as physical form)

Adaptive Intelligent Software Cycle (AISC)
it continuously learns from its own performance and user behaviour and adapts its future development decisions automatically.

7 Phases of AISC

- ① Vision Seeding
- ② Intelligent Exploration
- ③ Selective Construction
- ④ Embedded Evaluation
- ⑤ Real world learning
- ⑥ Evolution Steering
- ⑦ Regeneration loop.

Vision Seeding
(Purpose & Goals)



Date: / /

Intelligent Exploration
(Multiple ideas & trials)



Selection Construction
(Build best solutions)



Embedded Evaluation
(Testing & analysis)



Real world learning
(User feedback & data)



Evaluation steering
(Guide improvement)



Regeneration loop
(adapt & re-enter cycle)

Continuous learning