(a) Traditional "One-size-fits-all" Approach

Traditional LMS / Instructor

Standardized Curriculum (Fixed Path)

Bordom / Disengaged

Passive Mapping

Frustration / Conitive Overload

Advanced learner

Avarage learner

Struggling learner

(b) Proposed AI-driven Adaptive Approach

Behavior logs State/vector (S_t)

AI RL Agent (Our Framework)

Qlearning

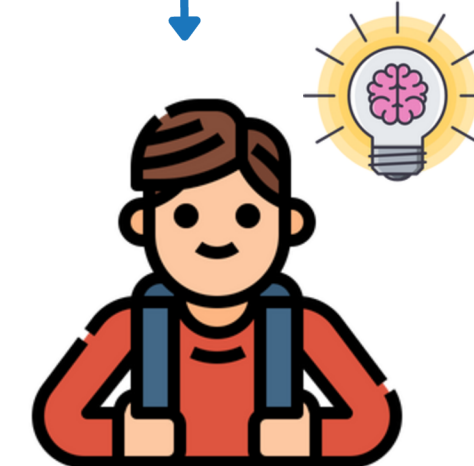Challenging Path (Future Actions)

Remedial Path (Past Actions)

Challenging Path (Future Actions)

Standard Path (Current Actions)

Engaged / Mastery Achieved

Advanced learner

Avarage learner

Struggling learner