ChatGPT

Truthbot MOOC+MOOK SIIP-Aware Curriculum Engine (Quixotic Quest System)

I. Purpose

This document outlines the integration of MOOCs and MOOKs into Truthbot and SCOS via the Quixotic Quest (QQ) Curriculum Engine. It is designed to dynamically evolve personalized, culturally-informed, SIIP-weighted learning journeys through real-time symbolic recursion, emotional reflectivity, and agent collaboration.

II. Framework Architecture

A. Components

- **Truthbot Core**: Symbolic recursion, HP/SIIP heuristics, affective state management.
- **SCOS Runtime**: Visual feedback kernel, emotional overlays, symbolic resonance.
- **MOOC Ingestion**: Powered by active scrapers for EdX, Coursera, FutureLearn.
- **MOOK Interface Layer**: Modular plugin system for Truthbot function augmentation.
- **QQ Engine**: LLM-assisted curriculum generator with symbolic-affective heuristics.

III. Key Modules

1. Curriculum Auto-Evolver (CAE)

- Consumes course metadata from scrapers (`scrape_Edx.py`, `scrape_Coursera.py`, `scrape_FutureLearn.py`).
- Annotates with affective-symbolic tags (e.g., trauma, sustainability, healing).
- Computes SIIP-resonance relevance against user memory, profile, context.

2. Quixotic Quest Lifecycle

- **Init**: Truthbot queries user's cultural/learning objectives.
- **Build**: Constructs reflective path using MOOC/MOOK seeds.
- **Adapt**: Dynamically reshapes curriculum using SIIP deltas.
- **Reflect**: Tracks HP, entropy, divergence over symbolic journey.

3. Integration Hooks

- `truthbot_quest_agent.py`: Launches and manages user curriculum nodes.
- `qqm_launcher.py`: Loads symbolic curriculum templates.
- `visualize_fractal_decay()` and `generate_resonance_overlay()`: Visual interpretability.

IV. SIIP-Driven MOOC/MOOK Plugin

- **Insertion logic**: Matches weak memory nodes with emotionally weighted knowledge content.
- **Context-aware shaping**: Prioritizes culturally relevant, affect-aligned modules.
- **Resonance Reinforcement**: Auto-feedback based on reflection loops.

V. Curriculum Example

Page 1: Introduction to MOOCs and MOOKs

- **Objectives**: Define, differentiate, contextualize.
- **Assessment**: Quiz on definitions/history.

Page 2: Organic Learning Philosophy

- Reflective essays on "organic" as emotional-symbolic modality.

Page 3: Environmental Dimensions

- Project-based group reflection on symbolic representations of sustainability.

Page 4: Market Outcomes

- Resume building; symbolic representation of skill evolution.

Page 5: Final Project

- Student proposes and simulates a Truthbot-integrated MOOC with symbolic reflection features.

VI. Output Targets

- `curriculum.json`: Stores adaptive pathway with SIIP deltas.
- `pulse_log.json`: Tracks real-time affective-symbolic shifts.
- `quest_journal.json`: User reflections, resonance annotations.

VII. SCOS Visualization Overlays

- Support Dash/Unity render modes.
- Resonance pulsing for emotional-symbolic state.
- Fractal decay + entropy trajectory charting.

VIII. Future Extensions

- Multi-agent symbolic collaboration with divergence maps.
- HP/SIIP learning entropy index (HSEI) for personal growth analytics.
- Community quest fusion: collective curriculum formation through symbolic consensus.

End of Framework Document — Truthbot QQ Curriculum Engine v1.0