**Education Parsing**

**Standardized Prompt and Material Collection Process**

**Overview:** Enhancing digital education by systematically transforming complex educational materials into structured, AI-ready formats. Utilizing advanced parsing algorithms, our process efficiently converts textbooks, whitepapers, and presentation content into standardized prompts for AI integration. This approach facilitates the creation of personalized, adaptive learning experiences, making technical education more accessible and effective. Our mission is to streamline the educational content delivery process, ensuring learners have access to high-quality, coherent, and interactive resources, tailored to meet evolving educational standards and diverse learning needs**.**

***Phase 1: Understanding the big picture.***

**Course Goals and Outcome:** The first step is to identify what the course goals and outcomes are. For example, if we’re teaching content from a certification exam, the goal would be to pass the certification. If we’re teaching content for a standardized test, the goal would be to get students to perform better.

* Often, we need to identify what materials are testable.
* This can be achieved by looking into an exam’s question composition.
* In the case of teaching from a textbook, a syllabus may be useful.
* Identify prerequisite information and what comes next.

*Parsing instructions* – Extract the syllabus and chapters and parse into ChatGPT

**Modularize the Content:** The content needs to be organized into modules or chapters. This allows students to digest the information more easily.

***Phase 2: Key terms and concepts.***

***Phase 3: Importance and need to understand key terms and concepts.***

***Phase 4: Basic Application of Concepts***

***Phase 5: Where concepts are applied in the real world.***

***Phase 6: Review Questions.***

***Phase 7: Projects and Labs.***