**EduGen Project Timeline (April 16 – June 30)**

**📍 Week 1 (April 16 – April 21) – Project Setup & Planning**

* Finalize full outline of thesis (based on what we started).
* Set up project repo (GitHub or local).
* Set up Django project + Tailwind CSS integration.
* Begin thesis section: **Introduction** (complete draft).
* Decide on file upload method (.docx and .pdf parsing approach).

**📍 Week 2 (April 22 – April 28) – File Input & Text Extraction**

* Implement file upload (Django forms or DRF).
* Extract plain text from .pdf and .docx using:
  + python-docx for Word
  + PyMuPDF or pdfminer.six for PDFs
* Begin thesis section: **Theoretical Background**
  + NLP, parsing/tokenization, question generation
  + Mention libraries you’ll use (e.g. SpaCy, NLTK, transformers)

**📍 Week 3 (April 29 – May 5) – Text Cleaning & Preprocessing**

* Implement sentence tokenization, stopword removal.
* Build base NLP pipeline using SpaCy or NLTK.
* Start experimenting with simple question generation logic (e.g., fill-in-the-blanks).

**📍 Week 4 (May 6 – May 12) – Basic Question Generation**

* Create simple question generator module.
  + Rule-based: Named Entity → "Who/What is…?"
  + Fill-in-the-blank by replacing key terms
* Store questions in database.
* Begin thesis section: **Requirements & Design**
  + Functional/non-functional
  + Architecture diagram, DB schema

**📍 Week 5 (May 13 – May 19) – Web UI + Quiz Viewer**

* Build frontend pages with Tailwind:
  + Upload page
  + Quiz viewer (display generated questions)
* Add question filtering (by type or difficulty)
* Continue thesis: **Implementation**

**📍 Week 6 (May 20 – May 26) – Question Types & Features**

* Add more question types (True/False, MCQs, multiple-answer).
* Allow user to select question type when generating.
* Add feature to mark answers or export quizzes.
* Begin testing logic and draft **Testing & Evaluation** section.

**📍 Week 7 (May 27 – June 2) – User Accounts & Extras (Optional)**

* Add user login (if time allows).
* Let users save/retrieve their quizzes.
* Work on frontend polish and error handling.

**📍 Week 8 (June 3 – June 9) – Testing & Refinement**

* Finalize all major features.
* Write unit and integration tests.
* Evaluate generated questions for quality.
* Finalize **Testing & Evaluation** and start **Conclusions**.

**📍 Week 9 (June 10 – June 16) – Final Thesis Writing**

* Finish writing any remaining sections.
* Format everything according to university guidelines.
* Begin proofreading.

**📍 Week 10 (June 17 – June 30) – Buffer & Submission**

* Buffer week for emergencies or polishing.
* Final code cleanup and documentation.
* Final checks: references, formatting, appendices.
* Submit everything.