Certainly! **Software Development Life Cycle (SDLC)** models suitable for engineering projects. Here are some commonly used models:

1. **Waterfall Model**:
   * Linear and sequential approach.
   * Well-defined phases: Requirements, Design, Implementation, Testing, Deployment, and Maintenance.
   * [1](https://existek.com/blog/sdlc-models/)[2](https://www.geeksforgeeks.org/which-sdlc-model-is-best-and-why/). [Suitable for stable requirements but lacks flexibility for changes](https://existek.com/blog/sdlc-models/)
2. **Iterative Model**:
   * Repeats cycles of development.
   * Each iteration refines the product.
   * [Ideal for evolving requirements and continuous improvement](https://existek.com/blog/sdlc-models/)[1](https://existek.com/blog/sdlc-models/).
3. **Spiral Model**:
   * Combines iterative and waterfall approaches.
   * Emphasizes risk assessment and mitigation.
   * [Well-suited for complex projects with changing requirements](https://existek.com/blog/sdlc-models/)[1](https://existek.com/blog/sdlc-models/).
4. **V-Shaped Model**:
   * Extension of the waterfall model.
   * Emphasizes testing at each stage.
   * [Useful for projects with clear requirements and well-defined deliverables](https://existek.com/blog/sdlc-models/)[1](https://existek.com/blog/sdlc-models/).
5. **Agile Model**:
   * Adaptive and flexible.
   * Iterative development with short cycles (sprints).
   * [Prioritizes collaboration, customer feedback, and continuous adaptation1](https://existek.com/blog/sdlc-models/)3