**Church Database Project Timeline**

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| **Phases** | **Task** | **Complete** | **Incomplete** |
| **1. Design** | * **ER Studio design** * **Looking at design and making sure it meets requirements Pastor Obinna set** | **X** |  |
| **2. Logical Model Design** | * **Look at all data sets** * **Everything that is currently in ER studio needs to be converted to a physical data model (Kris is going to show us how to do the conversion)** |  | **X**  **Currently working on** |
| **3. Finalize logical model design** | * **Review all data and make sure to design in finalized and no changes need to be made** |  | **X** |
| **4. Physical Data Model** | * **PK** * **Unique Constraints** * **Create non-unique index on FK** * **Performance** * **Partitioning** * **When create database need to create schema** * **Need quality assurance** * **Have functional tests to make sure reports generate** |  | **X** |
| **5. Start loading data** |  |  |  |
| **6. Development** | * **Begin writing scripts** * **Load reference and standard tables** * **Start loading transactions once reference and standard tables are loaded** * **populate keys** * **load/auto generate key in database** * **load data** * **do validation** * **got to design reconstruction query to run to ensure we get the same amount of information to see that data looks good/safe** * **design script** * **learn to process data** * **decisions need to be made** |  | **X** |
| **7. Create Reports** | * **how do we create reports** * **do we need to flatten tables for it to be easy to load data with little to no down time** * **data migration** |  | **X** |