

## Technology Architecture and Design

### Architecture and Design Document

The following document gives inputs on how to create a Technology Architecture and Technology Design Document

#### Architecture Document

Create an architecture Document with a high level technology Architecture.

The Technology Architecture should have the following:

- 1) Architecture Diagram / block diagram
- 2) Flow of information between the components /blocks
- 3) Explanation of the blocks in the block diagram and the flow of information

The Technology Architecture may **avoid** the following:

- 1) Listing of specific technologies/vendors ( for example its best to identify the block as database rather than naming it is ORACLE database)
- 2) Listing of programming language related details.

#### Design Document

The Design document can be further divided into the following parts:

1. Technology Design
2. Screen Design
3. Database Design
4. Class Design

For now let us focus on Technology Design

Start with the architecture diagram and now identify the specific technology, specific model, specific brand, programming language which is suitable for your solution.

For example, in the architecture document if you have written it as front end, you may now name it Raect.js. similarly if you had written NLP model in the architecture document, you may now identify the specific model for NLP/Text summarization etc.

**Design should have the following:**

1. Technology flow Diagram / block diagram with identification of specific technologies
2. Flow of information between the components /blocks
3. Explanation of the blocks in the block diagram and the flow of information with specific and suitable technologies/programming language and models