**Meeting\_10 Design Document Technical distribution**

DETAILS

* **List of technologies available for Web designing**
  + Standard PHP-HTML-CSS coding
    - Advantages
      * Open source and hence a large community support
      * Speed
      * Easy to use
      * Stable
      * Powerful library support
      * Built in database connection modules
    - Disadvantages
      * Security: As being open source the codes are easily available and bugs can be used against the software purposes
      * Not suitable of large applications
      * Poor Error Handling Method
      * Unable to handle large number of apps : As it it not competent to modular
  + Django
    - Advantages
      * Better CDN connectivity and Content Management
      * Offers Rapid-development
      * Scalable
      * Security
    - Disadvantages
      * Is Monolithic : has own set of predefined files structure so we cannot use our own
      * Uses Regular Expression for URLs :Makes codebigger with twisted syntaxes
  + NodeJS and ReactJS
    - Advantages
      * Open source
      * JavaScript as Programming Language
      * Scalable
      * Caching Support
      * Lightweight and Extensible
    - Disadvantages
      * API is Not Stable
      * Doesn’t have a strong Library Support System
      * Doesn’t support very high computational intensive tasks
* **List of technologies available for Database management**
  + MySQL
  + SQLite
  + SQLserver

With the point stated above as our project doesn’t require high computational intensive tasks and with the assumption that it takes more time to build a web application with php for coding from the scratch as in NodeJS components available it'll be easier to build the project in NOdeJS.

For databases, we need to keep the web application lightweight and simple and low computational requirements on client end so SQLite was a better option than others.

* **Distribution of modules:**
  + Coding Standards - Muskan, Sumit, Dhruvil
  + Architectural Design and system design - Foram, Krinali, Vaishwi, Arpit

