**CAS Application**

**Method used:**

CAS system is built using Django web application framework. It simplifies the development process of complex, data-base driven web applications Its well-designed framework includes three major parts: model, view and template. When we develop the CAS system, we first design the model of the relative component for data architecture, then the template for user interface, at last we implement the view which includes all the functions.

The combination of technologies uses to build and run CAS application project.

**Technology Stack:**

* HTML
* CSS
* BootStrap
* JavaScript
* Python- Django
* PostgreSQL

**Key Benefits :**

* **Speed**

Allows faster data entry in relevant templates.

* **Accuracy**

Introducing system validation for achieving data accuracy.

* **Integration of CAS system with the existing guideline**

In CAS system, all it takes is one instance of data entry, and all the integrated processes (API calculation etc.) are accordingly taken care of.

* **Compliance**
* **Backup**

A crucial difference between manual and computerized systems is the ease of backup of a computerized system. All transactions can be saved and backed up, in case of fire or other mishap. You cannot do this with paper records unless you make copies of all pages, which in itself is a long and inefficient process. Also in case of a mishap, computerised systems allow for quicker recovery from data loss.