# Intranet system project

# Project Development

## Technology used

Main languages : Python, JavaScript, CSS, html, bootstrap and SaaS.
Framework : Django.

## Tools used

Visual studio code – community edition
Xampp server

Git Repo: https://github.com/mukule/kweb

Project demo: Kenyaweb Solutions Intranet

The project is component based and fully dynamic hence can
Be modified to fit any organization use. Some modification will
Be required to fit the organization requirements and
specifications

# Project Development

Django is a mvc framework hence fully scalable. This is the fact
Its divided into smaller applications with related information
That can be reused anywhere in our project.

The project has two parts, the user interface modules and the admin modules.
The admin can be accessed through
[Kenyaweb Solutions Intranet](#)/admin

# Project Applications

Main                           Events
Users                          Tasks
Core                           Notifications
❖ Departments                  Facilities
❖ staff                        Applications
News                           Documents
                               Messaging

Each application here has its own purpose which makes  it easy
For scalability.

# Project Development

## intranet

This the main project which carries the settings for the project.
All the necessary settings are done in this project directory.

## Main

This application acts as the frontend of the main application.
All the common files that are extended through out the project
Are stored here.

## Users

Used for authentication. It has a custom user model to add extra
Fields to user model.
Holds the user profile model.

## core

Used to manage the staff in different departments.
It has two models;
     Departments
     Staff
The staff model has a many to many relationship with the
Department and one to one relationship with the user

# Project Development

## News

Manages the news.
It has a news model which manages the news object.
The news object relates to staff to get the user who posted it.

## Events

Used to manage events in the project.

## Tasks

Manages the task allocation and creation.
Allows admin to create and allocate task to users.
Has task and assignment model. The task model handles
The creation of the task while the assignment handles the
Assignment of tasks to different users.

## Notifications

Handles the notification for different events in the application.
This app has the mandate to listen for events such as when a user
is assigned a task and notifies the user in his/her own page

# Project Development

## Facilities

Used for management of company facilities such as halls and Rooms and transport cars.
It has two models one for Bookings and facilities.
The facility model handles the creation of facilities of a project While the booking model enables the booking and use of the facility.

## Applications

Used to manage access to the applications used by the company.

## Documents

Used to manage documents at company level and staff level The documents has application has four models the Company document model, staff documents model category And tag.
The main models here are company documents and staff Documents.
The category and tags are used for easy search of the documents

# Project Development

## Messages

This application is used to manage communication within the Application. This app allows users to send and receive messages In real time.

## polls

Used to create and manage polls and opinion polls.

Users

staff

Department