

ABSTRACT

Title: Adonai: - Informative Website for Organization Management and User Engagement for SMYM Mukkoottuthara

The project aims to develop an informative website for SMYM Mukkoottuthara, an organization, with the objective of providing valuable resources and engaging users. The website caters to various user roles, including admin, normal user, accountant, and guest user.

The admin role is responsible for managing the entire website, including user management, generating virtual ID cards, managing the blood donors list and parish directory, adding events, creating quizzes and polls, publishing reports of conducted programs, and managing finances.

The accountant role enables efficient management of financial transactions by providing functionalities to upload and save receipts and bills. Accountants can record credit and debit details and have the option to upload bills and receipts. Also, can generate an excel sheet of transactions.

Normal users have access to a range of features, including accessing information provided on the website, accessing a career advice forum, taking a career interest analyzer test, making donations, advanced searching through directories, participating in polls and quizzes, and viewing financial information as well as receipts and bills of transactions. To access these features, normal users are required to register on the website and await admin approval for account creation.

Guest users can access the information on the website, view a detailed gallery, explore events, and gain knowledge about the organization. They also have the option to make donations to support the organization's cause.

The career interest analyzer or predictor test is based on Holland's theory and consists of a set of questions. By answering these questions, users can identify their interests and receive career suggestions based on their responses.

Overall, the project aims to create an informative website that facilitates effective organization management and offers valuable resources and engagement opportunities for different user roles.

Topics to cover during Mini Project

- **Admin**
 - User management
 - Management of blood donors list and parish directory
 - Gallery management
 - Manage reports – detailed reports of events conducted
 - Create quiz and polls
 - Donation
- **Normal User**
 - create an account
 - access the information
 - participate in quiz and polls
 - view reports – detailed reports of events conducted
 - Donation
- **Guest User**
 - Able to access information
 - Donation

Modules

- **Registration:** - User can create an account in the website by using username, email, phone number, password [*normal users have to register and wait for admins approval*]
- **Login:** - Admin, User and Accountants can login to the website by using their credentials.
- **Blood donors list and Parish Directory:** - an updated list of blood donors and a comprehensive directory of parish members.
- **Career Guidance Forum:** - users can seek guidance from experts. enabling them to make informed career decisions.
- **Donation:** - Users will have an option to make donations to the organization through a secure payment gateway.
- **Career predictor test** – Users will have the opportunity to assess their skills, interests, and strengths through the career predictor test. It is implemented using machine learning and is based on hollands theory.
- **Reports** – Admin will be able to add detailed reports of events conducted and users will be able to view this report.

Topics to cover during Main Project

Users

- **Accountant**
 - Option for recording all credit and debit transactions
 - Generate an Excel sheet at the end of financial year.
- **Admin**
 - Option for customizing the website [Edit the achievements and information, change pictures on interface]
 - Generate virtual Id cards
 - View transactions of the organization
- **Normal User**
 - View transactions of the organization
 - Advanced Searching on data
 - Generate virtual Id cards

Modules

- **Accountant user login and registration** – Accountant will be able to record all financial transactions and upload bills and vouchers.
- **Implementing advanced searching:** - advanced searching on blood donors list and parish directory
- **Financial transaction management** – the accountant will be able to record credit and debit transactions and normal users will be able to view these transactions.
- **Virtual Id card generator:** - Members can easily access and display their ID cards digitally, reducing the need for physical cards and streamlining identification processes. [image processing for id card photos]
- **Excel sheet generator for financial transactions:** - the accountant will be able to generate an excel sheet containing the transactions at end of financial year. [option available for admin and accountant]
- **Pdf generator for reports:** - generate a pdf containing all the reports at the end of year. [only for admin]
- **Advanced searching on data:** - using lunr.js advanced searching is implemented on blood donors list and parish directory

Languages Used	HTML, JavaScript, CSS, PHP, Python
Database	MongoDB,
Users	Admin, Media Manager, Accountant, Normal User, Guest user
Application of Machine Learning	Carrer Predictor using Hollands Theory, image processing for generating Virtual ID card
Functionalities and information available	About, Executive List, Events, Achievements, well organized Gallery, Blood Donors List (Searching available), Parish Directory (Searching Available), Donations (Payment Gateway Integration), Quiz, Career Guidance and Career Predictor Test, excel sheet generator and pdf generator.
Admin Role	User management Generate virtual ID card Management of financial transactions Add Reports
Accountant	Management of financial transactions generate monthly reports, upload and save bills, receipts and vouchers for future references.
Normal User	Access the information, participate on quiz and polls, take a career predictor test, view financial transactions, view gallery, view reports.
Guest Login	Access the information, view gallery and events
Functionalities	Payment gateway, career predictor test, Advanced searching on data using lunr.js, google translator, image processing for virtual id card, balance sheet generators, generate virtual id card, generate excel sheet for transactions, generate pdf.