

# **ABSTRACT**

**Topic: Gentle Haloes – Palliative Care Service**

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# **Gentle Haloes**

## **Palliative Care Service**

The Panchayat Level Palliative Care Website project aimed to develop a comprehensive online platform to facilitate palliative care services at the panchayat level. Palliative care focuses on improving the quality of life for individuals with serious illnesses and their families. The website serves as a platform to provide information, support and resources related to palliative care to the residence of the panchayat.

This project aims to create a dynamic and interactive website that serves as a reliable source of information, promoting awareness about palliative care services, fosters communication and collaboration among users, and facilitates access to essential palliative care services.

The website will provide general information on palliative care, symptom management, treatment options, and end-of-life care. It will include features such as user registration and authentication, an information repository, a healthcare provider directory, resources and support services, appointment booking, and notifications.

There are 5 modules in this project: Admin Module, User Module, Volunteer Module, Health Care Assistant Module and Guest User.

## **Topics to Cover during Mini Project**

### **Admin Module**

#### **1. Login**

#### **2. Dashboard:**

- overview of the website, including key metrics, appointments, pending tasks, and recent activities and overall effectiveness.

#### **3. Patients Management:**

- Patient account management: View, create, edit, and delete user accounts.
- Patient activity monitoring: Track and analyse user activities, such as login history, account modifications, and content submissions.
- Manage user registration, track appointment scheduling, view patients list, patients' details.

#### **4. Volunteer and Health care Assistant Management:**

- Add volunteers and health care assistant, Remove volunteers and health care assistant
- Manage volunteer and health care assistant profile and track volunteer hours, It may also include a volunteer scheduling system to assign and manage volunteer shifts.

#### **5. Content Management:**

- Resource management: Add, edit, or delete articles, guides, videos, and FAQs in the information repository.
- Content approval: Review and approve user-generated content before publishing it on the website.

#### **6. Appointment Management:**

- Appointment overview: View and manage scheduled appointments, including details of users and appointment statuses.
- Appointment scheduling: Add, edit, or cancel appointments based on user requests or provider availability.

#### **7. Service Management:**

- Add, edit, or remove services and modify service descriptions.

### **User Module**

#### **1. User Registration and Login:**

- Allows new users to create accounts by registering with their email addresses or social media accounts.
- Existing users can log in to access their profiles and utilize personalized features.

#### **2. Patient Profiles:**

- profile page for each registered patient.

#### **3. Medical Record:**

- It allows healthcare professionals and volunteer to view and update patient details, including medical history, diagnosis, treatment plans, medications and any specific care requirements.

#### **4. Appointment Management:**

- This module includes features for scheduling appointments.
- Volunteers can schedule consultations, follow-up visits, assessments, and other necessary appointments.
- It may include a calendar view, automated reminders, and options for rescheduling or cancelling appointments.

#### **5. Palliative Care Resources:**

- The module may provide access to educational materials, resources, and links relevant to palliative care. This can include information about palliative care services, community support, advance care planning, and end-of-life considerations.

### **Volunteer Module**

#### **1. Volunteer Registration:**

- The module allows Asha Workers to register as volunteers by providing their contact information, skills, availability, and interests. It may include a registration form with fields specific to palliative care volunteering, such as previous experience or certifications.

#### **2. Volunteer Profiles:**

- The module provides a profile page for each registered volunteer. Volunteers can access and update their profile information, including personal details, skills, and availability.

#### **3. Volunteer Shift Management:**

- The module allows the organization to create and manage volunteer shifts or schedules. Volunteers can view their assigned shifts and receive notifications or reminders.

#### **4. View Patients Details:**

- View appointment scheduling, view patients list, add patients list and current conditions of the patients.

### **Health Care Assistant Module.**

#### **1. Health Care Assistant Registration:**

- The module allows health care assistant to register by providing their username and password.

#### **2. Health Care Assistant Profiles:**

- The module provides a profile page for each health care assistant. Health care assistant can access and update their profile information, including personal details, and availability.

#### **3. View Patients Details:**

- View patients list and current condition of the patients.
- Health care assistant can update the medical history and medicines of the patients.

#### **4. View Appointments for the hospital visit.**

## **Topics to cover during Main Project**

### **Admin Module**

#### **1. Analytics and Reporting:**

- User activity tracking: Monitor user interactions, such as resource views, and appointment bookings.
- User feedback analysis: Collect and analyse user feedback, reviews, and ratings to gain insights into the quality of services and resources.

#### **2. Generate reports:** Generate reports on website usage statistics and Lab reports of the patients

#### **3. Donation Management:**

- Donation tracking: Maintain a record of each donation, including the donor's information, donation amount, and date/time of donation.
- Donor management: Store and manage donor profiles, allowing administrators to view donor details and track their donation history.

#### **4. Notifications and Alerts:**

- The module sends automated notifications and alerts to patients and staff at various stages. This includes appointment confirmation, lab test results and feedback requests.

### **User Module**

#### **1. Lab Testing Feature:**

- This module includes features for scheduling appointments for blood tests such as Complete Blood Count, Basic Metabolic Panel, Thyroid Panel etc.
- Patients will get the notification and can view their test results.

#### **2. Search engine feature:**

- It enables users to search and retrieve relevant information from the website's repository of articles, guides, videos, FAQs, and other resources.

#### **3. Medicine Booking:**

- Patients can buy the medicines that they are daily using.
- E.g. - BP, Sugar medicines.

#### **4. Communication and Messaging:**

- The module facilitates communication between healthcare professionals and patients or their caregivers. It may include secure messaging features, allowing healthcare providers to exchange information, answer questions, and provide guidance.

#### **5. Surveys and Feedback:**

- The module may include functionality to gather feedback and insights from users. This can include surveys or feedback forms to assess their experience of the services, suggestions for improvements.

### **Volunteer Module**

#### **1. Reporting and Documentation:**

- The module enables Asha workers to generate reports and document of patient information, such as progress notes, assessments, lab reports, or care summaries.

#### **2. Volunteer Surveys and Feedback:**

- The module may include functionality to gather feedback and insights from volunteers. This can include surveys or feedback forms to assess their experience, suggestions for improvement, or areas of interest for future involvement.

#### **3. Communication and Messaging:**

- The module includes features for communication between administrators and volunteers. This can include sending announcements, updates, or newsletters to volunteers.

### **Guest User**

#### **1. Guest user profile**

- It refers to an individual who accesses the website without having to create an account or log in.
- The website allows guest users to browse its content and use certain features, such as the donation feature, without requiring them to go through the typical registration or login process.

#### **2. Donation and Payment**

- The donation feature enables guest users to contribute funds to support the palliative care organization or its related causes.
- This can involve donating cash through the website, and potentially making online payments securely to complete the donation process.
- In the context of a palliative care website, where a guest user may want to make a donation, the payment process should be designed to be secure, efficient, and user-friendly.
- **Select Donation Amount:** When the guest user accesses the donation feature, they are presented with different donation amount options or a field to enter a custom donation amount.
- **Provide Contact Information:** The guest user is asked to provide their contact information, such as name, email address, and possibly phone number. This

information is essential for communication purposes, acknowledgment of the donation, and providing receipts.

- **Payment Method Selection:** The guest user is prompted to select their preferred payment method. Common payment options may include credit/debit cards, PayPal, or other online payment gateways.
- **Enter Payment Details:** For credit/debit card payments, the guest user needs to enter their card details, including card number, expiration date, and CVV code. For other payment gateways, they will follow the respective payment process.
- **Submit Payment:** Once the guest user confirms the donation, they proceed to submit the payment. The payment gateway processes the transaction securely, and the guest user receives a confirmation of their donation.