Employee Management System Documentation Name- Employee Shop Management

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Abstract:

The employee management system streamlines the process of adding, updating, and removing employees, ensuring accurate and up-to-date personnel records. It manages employee details, roles, and payroll efficiently. This system enhances HR operations, reduces administrative workload, and improves organizational productivity.

Key Features:

1.Employee Database Management

- Comprehensive employee profiles with personal, contact, and employment details.
- Role and designation tracking.
- Employment history and performance records.

2.Attendance and Time Tracking:

- Shift scheduling and management.
- Real-time attendance monitoring and absence tracking.

. 3.Leave and Absence Management:

- Leave application and approval workflows.
- Leave balance tracking.
- Reporting on leave trends and patterns.

System Modules:

1. **Recruitment and Onboarding Module:**

   Manages the entire hiring process from job postings and applications to interviews and onboarding. This module ensures that new hires are integrated smoothly into the organization, with all necessary documentation and orientation procedures.

2. **Attendance and Leave Management Module:**

   Automates the tracking of employee attendance, work hours, and leave requests. This module helps maintain accurate records of employee presence and absences, supporting fair and transparent attendance policies.

3. **Compliance and Security Module:**

   Ensures that all employee management practices comply with relevant labour laws and industry regulations. This module also handles security protocols, including access controls and data protection measures.

Database Table Details

Donors Table		
Column Name	**Data Type**	**Description**
Donor_ID	int	Unique identifier for each donor
Name	varchar(50)	Donor's name
Blood_Group	varchar(2)	Donor's blood group (e.g. A+, A-, B+, B-, AB+, AB-, O+, O-)
Gender	enum('M', 'F')	Donor's gender
DateofBirth	date	Donor's date of birth
ContactNumber	varchar(20)	Donor's contact number
Email	varchar(50)	Donor's email
Address	varchar(100)	Donor's address
LastDonationDate	date	Date of donor's last blood donation
Blood Inventory Table		
Blood_ID	int	Unique identifier for each blood unit
Donor_ID	int	Foreign key referencing the Donor ID in the Donors table
CollectionDate	date	Date of blood collection
Expiry_Date	date	Date of blood expiry
Blood_Group	varchar(2)	Blood group of the unit (e.g. A+, A-, B+, B-, AB+, AB-, O+, O-)
VolumeinML	int	Volume of the blood unit in milliliters
Status	enum('available', 'eserved', 'expired')	Current status of the blood unit

Blood Needs Table

Need_ID	int	Unique identifier for each blood need
Recipient_Name	varchar(50)	Name of the blood recipient
Hospital_Name	varchar(50)	Name of the hospital requesting blood
Blood_Group	varchar(2)	Blood group needed (e.g. A+, A-, B+, B-, AB+, AB-, O+, O-)
QuantityinML	int	Quantity of blood needed in milliliters
NeededByDate	date	Date by which the blood is needed
Status	enum('pending', 'fulfilled', 'cancelled')	Current status of the blood need

Blood Collection Camp Table

Camp_ID	int	Unique identifier for the blood collection camp
Camp_Name	varchar(50)	Name of the blood collection camp
Camp_Location	varchar(100)	Location of the blood collection camp
Camp_Date	date	Date of the blood collection camp
Camp_Time	time	Time of the blood collection camp
Organizer	varchar(50)	Name of the organization or individual who organized the camp
Contact_Person	varchar(50)	Name of the contact person for the camp
Contact_Phone	varchar(20)	Phone number of the contact person
Contact_Email	varchar(50)	Email address of the contact person
Expected_Donors	int	Expected number of donors for the camp
Blood_Units_Expected	int	Expected number of blood units to be collected
Created_By	varchar(50)	User who created the camp record
Created_Date	datetime	Date and time the camp record was created
Modified_By	varchar(50)	User who last modified the camp record
Modified_Date	datetime	Date and time the camp record was last modified

Benefits:

- Efficient management of blood donors, recipients, camps, and stock details.

- Improved tracking and monitoring of blood inventory.

- Simplified donor and recipient information management.

- Facilitates timely and accurate blood transfusions for patients in need.

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