**Software on Blood donation**

In the program we need to develop following modules

1. User Management Module
2. Daily data collection
3. Vehicle Module -
4. Master data Collection
5. Employee / HRM
6. Reporting
7. Vehicle Tracking
8. Schedule Master :

**User Management Module :**

In this module we need following requirements

1. Any number of users can be created
2. Users can change their own password.
3. Users can only view and work on project according to their authorities / assigned territory
4. We need Super Admin, Admin, State Supervisor, Operator level access
5. **Super Admin:** can create, view and suspend any user in the project without any reason to explain.
6. **Admin** can also create, view and suspend any user in the project but after getting approval from super admin.
7. **Super admin and admin** can also view the work done by any user between any two dates and can write their comment & suggest them
8. **State Supervisor** can allot work to operators date wise and allot work to any operator in a state till the task finishes depending on situation
9. **Operator** can do work as allotted to them but can modify only that particular day.

* If any error left can edit after approval from supervisor
* must keep the record of each approval with date time for work

1. **Operator** can request for approval and supervisor can give approval.

* Work on approval can be completed in 24 hrs.

1. **Admin** can create any number of teams with supervisor and operator.
2. A user cannot log- in from two locations.
3. To create user we must fill a form to get data about user like Name, F. Name, M. Name, DOB, DOJ,DOL, Address, Mobile, Email, Address, City & State
4. Type of supervisors can also be created to manage different kind of teams.

**Daily Data Collection Module:**

1. As our field Blood donation Camp team/s would be meeting different blood donors on a daily basis, hence if we have their record to ensure that duplication is prevented ( we don’t want to repeat record of any Blood Donor ) .
2. We need standard registration form for Blood donors to get his Name, F. Name, M. Name, Marital Status, Children, DOB, Age, Blood group, City, His address , City & State, Camp ID, Phone, Mobile, Email, Occupation, Organization, etc.
3. Another separate form to save information about our daily Camp activity ; Date wise ; location (State\_Division\_District\_Block ) and Camp ID
4. Operator can edit his registration and we can save operator ID, Date & time
5. Blood Donor’s existing medical problems ( if any )

**Vehicle Module:**

1. Vehicle Registration with following information Vehicle Name, Reg. No ( Given by RTO), Model Year, Chassis Number, Engine Number, Fuel Type, Insurance Number (This will be editable every year) Base Location ( State\_Division\_District ) etc.
2. Driver’s Registration with his all details like Name, mobile no., DL no., DOB , DOJ, DOL , digital photograph etc..
3. Vehicle Cleaner and related dedicated Vehicle HR similar details.
4. Fuel filling form with : daily meter reading, Fuel qty. & date of filling, Fuel Cost, Bill Number and fuel Station name.
5. Vehicle inventory – Medical Equipments, Consumables , Chairs, editable

**Master Data Collection:**

In this module we will feed that data which will be fed only once and would be added ( as per need). There would be very rare chances of major changes :

1. List of 36 States / UT’s
2. Lists of Divisions and population
3. Lists of District and population
4. Lists of Sub Districts ( if any) and population
5. Lists of Blocks/ Tehsil / Taluka / Mandal ( as applicable in diff. States) and population
6. One way Road Distance between Division to related Districts ( in Kms & time taken )
7. One way Road Distance between District to related Sub Districts ( in Kms & time taken )

OR

One way Road Distance from District to related Blocks, Tehsils, Talukas, or Mandal ( in Kms & time taken )

1. Invitee Category ( State Govt. , Central Govt., Private Co., Bank, Political Party, NGO, Educational Institutions, NCC, Police, Para military, Defense, Any other category .- option for add on )

* Past Experience in organizing Voluntary Blood Donation Camps
* Details of officials , Designations, e-mail id, phone / mobile no.
* Number of Blood volunteers expected

1. Etc.

**Employee Module:**

1. Employee Profile with complete details
2. Category of Employee ( Doctor, Nurse, Lab Technician, PRO, Driver, Cleaner, Attendant, Customer Support, custom )
3. Salary with salary Type ( Monthly / Daily Wages )
4. Basic Salary, HRA, TA, DA, CCA, Insurance, TDS etc.
5. Leave record
6. Leave Types ( CL, SL, Medical Leave, Leave without pay, maternity )
7. Yearly Leave calendar / planner
8. Leave rules
9. Salary deduction and bonus payment

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**Schedule Master** :

In this module, we are planning to provide functionality to user​s,​ to plan his​ ​/​ ​h​er ​up​coming monthly ​Blood Camp ​forecasting schedule.

1. In schedule form, user (called BCTV PRO )​ can feed date wise location/s ( option of single / multiple camps in single day), expected donors, past blood camp details (if any) and place of blood camp to be visited in prescribed format ( i.e., State\_Division\_District\_Block ) with complete address. But before submitting the form it is also must to check list of local holidays​ and advanced Staff leaves​ ( if any).
2. ​As Blood Camp Vehicles (BCTV) will mostly also run on Public Holidays, option for user to feed list of ​national and local ​holidays​ & festivals (one time).​ we have to give an option to administrator to decide ​“mega blood camp” planning especially on special & patriotic ​holidays like 26th​ January, 15th ​​August or Jaliawalan Bagh, Shaheed Bhagat singh birthday, etc…. as well as local festivals and other important birth Anniversaries Date / month wise.
3. So during ​each up​coming month planning ​( or Camp forecasting ) ​user must be restricted to plan on ​pre decided weekly off ​( Monday or customized ) instead of Sunday or public holiday. Weekly off for each Vehicle to be freezed by Admin. so that user can plan, camp forecasting for rest of the days irrespective of working day, weekend or public holiday.
4. This ​monthly ​forcasted plan should be visible to ​Super Admin and Admin​. Administrator can ​make ​change​s​ if required, changes done by ​Administrator must be visible to ​related ​user​s​.
5. Working plan ​as well as forecasting camp plan ​of all users should be visible to administrator​ and Super Admin​.

Schedule plan includes : Date, Da​y, location, and Venue ( complete address of ​place to be visited) with related Blood ​Vehicle ID. ( State\_Division\_District). *( Pls. also refer above Vehicle module for Vehicle ID )*

With this Vehicle ID, user must be able to see names and designations of team members who are attached with that vehicle. If any team member is on planned / emergency leave it must be indicated in reports that Mr. A is on leave ( & no. of days on leave) with details of replacement staff name duty ( if any)​

*Pls. refer Employee Module’s point (2) for dedicated HR details.*