'CAPROVI' - MOBIVET APPLICATION FOR FIELD DATA UPDATE

Android based application server program interfaced with cell phone / Tablet for online data update

Target Users:

For data update:	Farmers, authorized Para-veterinarians and veterinarians, Integrator Company Supervisors
For browsing:	Senior Managers other farmers and stake holders such as insurance company representatives, NGOs, Livestock Development Boards and Agencies, Sheep and Goat Corporation
Interface for data fidelity:	'Caprovi-Mobivet' is universal system and interfaced to scan and read from following animal identification devices
	QR-code based ear tags
	RFID Readers
SMS interface	Push and Pull interface for enabling SMS services to the registered users and data update from authorized farmers, para-vets and vets
Label language	For the convenience of the farmers and para-vets, the application label is bilingual- English and any other regional language
Data Input language	Data input language is English (alpha and numeric)
Cell Phone compatibility	Android based Smart Phone for URL based access minimum screen size 6 inches, camera minimum 3.5 mega pixel
Text SMS Services	UNICODE – the cell phone should be compliant

'Caprovi-Mobivet' has following functions:

The system recognizes if the user is a farmer or the para-vet through user name and data access is authenticated by using specific password - The password can be set and changed by the user

Main menu: Caprovi Mobivet is full scale flock management App that can be used by the farmers, paravets. Veterinarians and the managers. The module access can be defined by the

Admin. The App enables data management of sheep and goat species of animals, but the reports and the analysis can be done separately for the two species.

The Caprovi mobivet has following functionalities:

Scan- The ear tag bars can be scanned to register and open the file of the animals.

Search ID: The animals in the farm / the organization can be searched by the identification number.

Bulk Entry: Bulk entries like, feed served, vaccination, deworming, milk recording (in case of dairy goat), etc., can be updated. For this only one animal in the flock need to be scanned which leads to generation of list of eligible animals for the activity.

Action: This generates action list for the day. Depending upon the function allocation the action list can be generated for farmer user, farm staff user, para or veterinary staff users. The action list is based on the predefined parameters which can be set for each species as well as breed within each species.
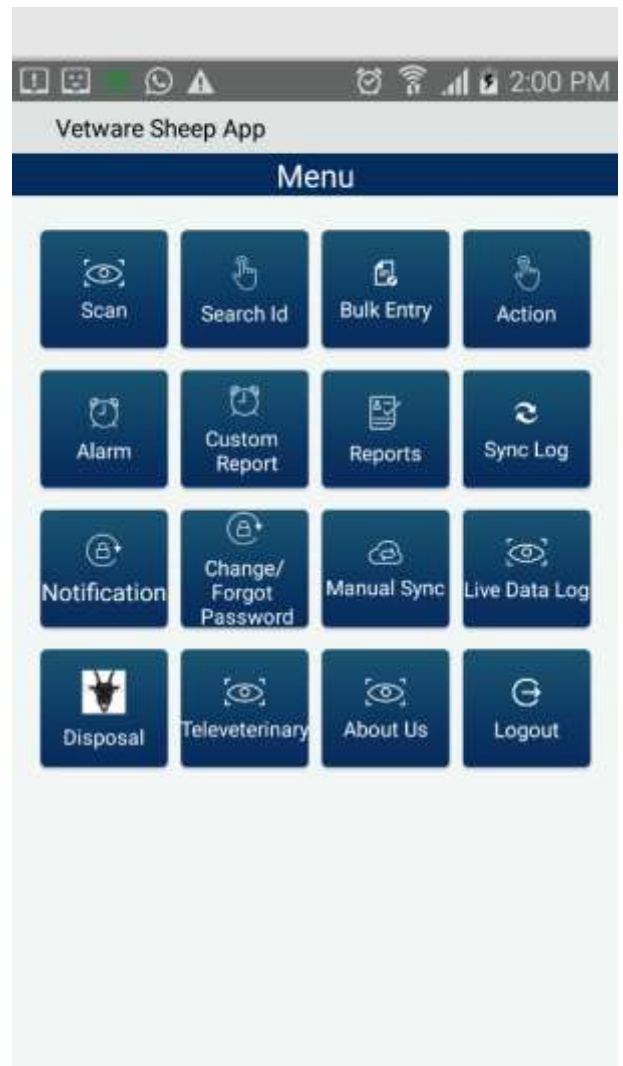
Alarm: Based on economic parameters the threshold can be defined by each farm. The list of underperforming animals can be generated for investigation and corrective actions.
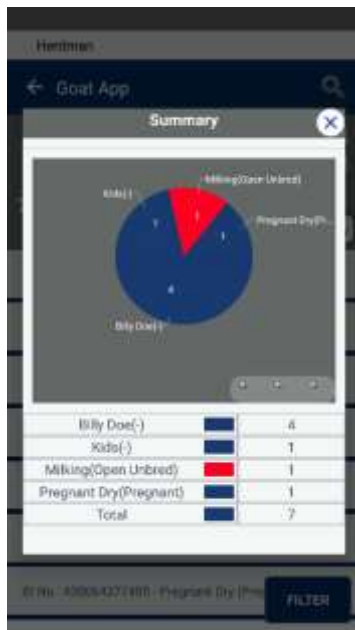
Custom Report: The user can design its own report by selecting various parameters.

Reports: These are administrative and technical reports – status as well as periodic.
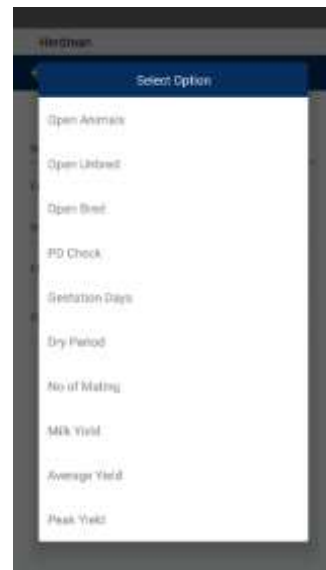
Disposal: Animal movement due to sale / deaths is updated using this form.

Tele-veterinary: This can be used by the farmers, para-vets for referring clinical / problems to the expert veterinarians. There is facility of video, close up imaging and file transfer.

Caprovi-Mobivet offers easy solution to data access. It offers all the facilities a flock management software should provide to farmer, para-vet, veterinarian infield. The main menu consists of following
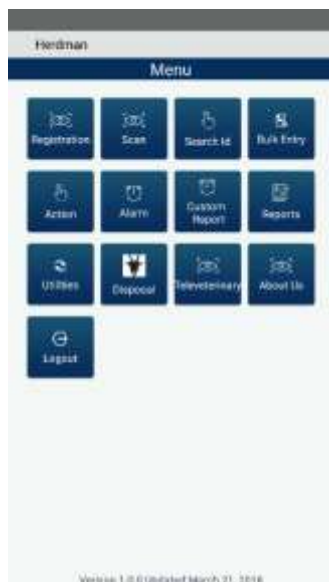

functions:

Caprovi-Mobivet for farmers:

Farmer registration

Animal registration

Sire registration

Veterinarian and para-veterinarian registration

Data entry

Heat entry – skipped

AI / Natural Service

PD-I

PD-II

Calving

Milk record / Weight

Dry-off

Extra Service:

Missed Call service to call the para-vet / vet for AI / Treatment

Tele-veterinary services

Product information services

Extension information services

Animal Data Access for management decision support

All parity breeding records

All heat, AI, sires used, calving histories, breeding problems and treatments

All lactation records

All date-wise updated records for each lactation

All date-wise milk composition records

Drying-off dates

Each lactation Days-in-milk

Each completed lactation milk yield, adjusted

Current lactation curve

Life-time health records

Vaccination

Disease testing reports

All medications and treatment

Life-time summary report of the animal

Pre-update data validation protocol:

Pre-update data validation protocol as per International Committee on Animal Records Standards.

Caprovi-Mobivet for Para-veterinarians Farm staff

Farmer registration

Animal registration

Sire registration

Access to data of all animals authenticated for providing services

Daily Action Schedule

Daily action schedule – center and farmer wise for daily services

Alarm list – center wise and farmer wise for investigations

SMS alerts for AI requests sent by farmers

SMS alerts for sickness treatment sent by farmers

Data entry

Heat entry – skipped

AI / Natural Service

PD

Kidding / Lambing

Milk record

Dry-off

Disease testing

Vaccination

Medication and treatment

Movement, sales

Animal Data Access for management decision support

All parity breeding records

All heat, mating, sires used, calving histories, breeding problems and treatments

All lactation records

All date-wise updated records for each lactation

All date-wise milk composition records

Drying-off dates

Each lactation Days-in-milk

Each completed lactation milk yield, adjusted

Current lactation curve

FCR – in case of marketable animals

Wool yield in case of sheep

Life-time health records

Vaccination

Disease testing reports

All medications and treatment

Life-time summary report of the animal

Extra Services:

Tele-veterinary services

Product information services

Pre-update data validation protocol:

Pre-update data validation protocol as per International Committee on Animal Records Standards.

Advantages of the mobile based system:

1. Data entry possible only after scanning of the ear tag QR code, fudging of data will not be possible.
2. Traceability of the para-vets and vets on services – places visited and time
3. Easy real time data entry hence update immediate
4. Farmers management decisions based on alerts hence substantial improvement in management efficiency
5. Performance alerts minimize economic losses to the farmers
6. The para-vet and vet performance analysis

Detection of problems on trend analysis