Site

* Site ID
* Project site name
* Address
  + State
  + City
  + ZIP
* Allocate users (multiple)
* Log of user allocation

Users

* User ID
* Full name
* User contact no
* Email
* Username(Employee code – we suggest )
* Password
* Address
  + State
  + City
  + ZIP

Machine

* FAR No (Unique, Mandatory to be provided by Royal)
* Machine Name
* Machine owner – Owned/Rented
  + Owned
    - R\_FARNO
  + Rented – From Sister Concern / Vendor ##Phase 2
    - If Sister Concern
      * RS\_FARNO
    - If Vendor
      * V\_FARNO
* Machine purchase date
* Standard CPH(Consumption/Hour) – numeric up to 2 decimal
* Machine type
  + Existing / New
  + If Existing
    - Machine under maintenance – YES/NO
    - Fuel consumption to be measured basis Run Hour/KM Run
    - If YES (add checkbox for bellow option, whichever is checked will be activated)
      * Checkbox
        + Last Maintenance date and time of machine
        + Frequency - Date threshold – input type number of days
      * Checkbox (Required if Fuel Consumption is Run Hour)
        + Run Hour during last Maintenance– i.e 100 hr
        + Present Run Hour
        + Frequency - Run Hour threshold
      * Checkbox Required if Fuel Consumption is KM Run)
        + KM Run during last Maintenance – i.e 200 km
        + Present KM Run
        + Frequency - KM Run threshold
      * Checkbox
        + Last Production fig of Periodic Maintenance /Breakdown Maintenance – i.e. 1000 Cubic Meters (Cu Mtr)
        + Present Production fig
        + Frequency - Production fig threshold
      * Calculate the next PM DATE based on the above figure and threshold whichever comes first
  + If New
    - Machine under maintenance – YES/NO
    - If YES (add checkbox for bellow option, whichever is checked will be activated)
      * Checkbox
        + Date and time of machine I&C – By default current date and time
        + Date threshold – input type number of days
      * Checkbox
        + Run Hour threshold
      * Checkbox
        + KM Run threshold
      * Checkbox
        + Production fig threshold
      * Calculate the next PM DATE based on the above figure and threshold whichever comes first
* Allocate site to this machine. (select)
* CAM (Capital Asset Movement)
  + To redeploy first remove current site and then select another site
  + Need details log of every redeployment
    - From and to date
    - From and to site

Machine Listing page

* FAR No
* Next PM date
  + - Indication of PM due date in each M/c basis the following color coding for all the checkboxes individually along with the final recommendation basis Calculation(Will explain the calculations):
      * Green – PM not due.
      * Yellow – PM to be done in next 15 days.
      * Orange – PM to be done in next 7 days.
      * Red – PM overdue.
* View button to show the machine detail
* Maintenance Details button which will open a new page where all the details of maintenance inserted through mobile app will be visible

Mobile app

Add Machine Maintenance

* Once user logged in show the sites which are assigned to the him.
* Once site selected show the machines which are assigned to to the site in list view. The list view contains
  + FAR No
    - Indication of PM due date in each M/c basis the following color coding :
      * Green – PM not due.
      * Yellow – PM to be done in next 15 days.
      * Orange – PM to be done in next 7 days.
      * Red – PM overdue.
* Maintenance Details button which will open a new page where all the details of maintenance inserted through mobile app will be visible
* Add Maintenance Details button - User will upload data for each machines
  + Date and time
  + Run hour (if checked in backend)
  + KM Run (if checked in backend)
  + Production fig (if checked in backend)
  + Fuel consumption

Ticket Module

* In List view show all the open and closed ticket (lazy loading should be there)
  + Tick no
  + Machine Name and FAR No
  + Ticket status
  + Edit Ticket button
* To generate ticket for Periodic Maintenance / Breakdown Maintenance during Green, Yellow, Orange or Red level
  + Add details
    - Ticket No (auto from software, alphanumeric)
    - Select vendor
    - Estimated Material cost with supporting PDF(multiple)
    - Estimated Service cost with supporting PDF(multiple)
    - Likely PM/BM date
* To close a ticket click Close Ticket button and add the following details
  + - IF PM
      * Actual Material cost with supporting PO(multiple)
      * Actual Service cost with supporting PO(multiple)
      * Actual PM/BM date
      * Current Run hour (if checked in backend)
      * Current KM Run (if checked in backend)
      * Current Production fig (if checked in backend)
    - If BM add the following with above
      * Production loss
        + Amount of Production loss

Once the development is done we will discuss on various reports requirements and will develop the report accordingly.