



**INTERNSHIP REPORT**  
**Bhisiraj Satardekar**  
**1951**

**REPORT OF INTERNSHIP DONE AT  
Anant Infomedia Pvt. Ltd.**

**SUBMITTED BY:  
BHSIRAJ SATARDEKAR  
1951**

**UNDER THE GUIDANCE OF  
Mrs. Soniya Nagvenker  
(Senior Project Manager, Anant Infomedia Pvt. Ltd.)**

# CERTIFICATE OF INTERNSHIP

ANANT

ANANT INFOMEDIA PVT. LTD.

## CERTIFICATE OF INTERNSHIP

We present this certificate to

Bhisinaj Pradeep Satardekan

In appreciation for your work done as an intern from

10<sup>th</sup> January 2022 to 10<sup>th</sup> June 2022

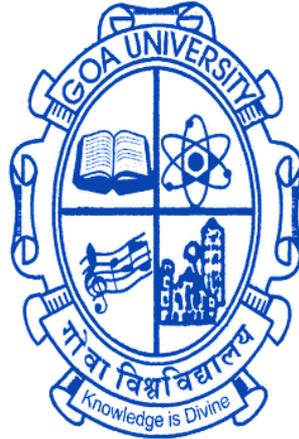
Thaisen

**Thaisen Khan**  
Manager Admin & Accounts

Kiran

**Kiran Kulkarni**  
Director Operations

GOA UNIVERSITY



GOA BUSINESS SCHOOL

## CERTIFICATE OF EVALUATION

This is to certify that **Mr. Bhisiraj Satardekar** has been evaluated for the project work titled “**Report of Internship done at Anant Infomedia Pvt. Ltd**” undertaken at **Anant Infomedia Private Limited, Panaji** in partial fulfilment for the award of the degree in Master of Computer Application.

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Examiner 1

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Examiner 2

Place: Goa University

Date: 10 June 2022

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Dean, Goa Business School

## **Acknowledgement**

First and foremost, I would like to thank the Goa Business School, Goa University, for giving me the opportunity to carry out internship and acquire real-world industrial experience. And a special thanks to Prof. Ramdas Karmali and Asst. Prof. Jarret Stevan and teaching and non-teaching staff of the Goa Business School.

I would like to thank Anant Infomedia Pvt Ltd for allowing me to do this internship and considering me capable to work on such projects.

I would like to express my gratitude to Mr. Kiran Kulkarni, Director Operations, AIPL, Mrs. Soniya Nagvenker, Senior Project Manager, AIPL for giving me this opportunity to work on these projects and for all the guidance, time, patience, support and encouragement provided to me during the internship.

I am also grateful to Mr. Kundal Chari (Team Lead), Mrs. Dhanashree Dhavasker (Team Lead) and Mrs. Ulita Barretto (Project Lead) for all the help and encouragement which helped me in this project.

I would like to express my special gratitude and thanks to Anant Infomedia employees for giving me such attention and time.

I have not mentioned some names of the teammates who have helped me during this internship but the absence of their names does not show the absence of my gratitude for their support.

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## **DISCLAIMER**

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## **INTRODUCTION**

This internship report describes the several tasks/assignments carried out during a 6 months, full time Internship period by Mr. Bhisiraj Satardekar which commenced on the 10th January 2022 at Anant Infomedia Pvt Ltd in accordance with curriculum of the VI semester Industrial Training of the MCA programme, Goa University, Goa.

In the following chapters a small description of the company, the technologies studied and tools used during the internship, and also other mini-tasks I have done during the internship. Finally, my experience with the company during the internship is described.

## COMPANY PROFILE

Name of Company	Anant Infomedia Pvt Ltd
Founder of Company	Mr. Sandeep Verenkar
Address of Company	Minum Residency, F-3, 4th, 18th June
Phone Number	0832-6638126 / 153
Email id	info@anant.co.in
Website	<a href="http://www.repforce.in/">http://www.repforce.in/</a>

Anant infomedia private limited is a product-based company. The company was established on August 2001. It is a premier IT company based in Panjim, Goa. The company has a rich experience, which it has drawn from being in the IT business for over a decade. In the last 7 years Anant Infomedia Pvt. Ltd specializes in pharma-Customer Relationship Management/Sales Force Automation Software, providing end to end solutions such as Software as a service on Web, Mobile and Tablet. AIPL has a team of more than 80+ employees including an office in Mumbai.

AIPL was awarded "BEST IT SOLUTION PARTNER" IN 2011".

AIPL specialises in a cloud CRM solution for the Life Sciences Industry called Repforce.



## **Repforce as a Product**

RepForce is a Cloud CRM solution for the Life Sciences industry. RepForce offers simple solutions with impeccable service. Repforce solutions have enabled Life Sciences companies to build extraordinary relationships with not only their customers but also their employees and other stakeholders. Today, RepForce enabled over 35000 users across 6 countries to stay ahead of competition with our state-of-the-art CRM software, RepForce.

It is designed keeping in mind the specific needs of the Life Sciences industry. RepForce is India's pioneer and the leading Sales Force Automation (SFA) solution in SaaS model. We provide end-to-end, mobile-friendly, cloud-based sales force automation to empower our customers to work more efficiently, optimize their sales efforts and increase their bottom lines.

## Key features of RepForce are as follows:-

- **Master Profile:** Manage master ails like doctors, chemists, stockists, hospitals all in one place.
- **Tour Planning:** Help your sales team to plan their monthly and yearly tours including workflow and approvals.
- **Reports & Dashboards:** Monitor your team's daily field work activity through Standard, Monitoring & Admin Reports. Create customized reports. Export reports in PDF or CSV format. Regularly review action points.
- **Review Action Module:** Enter review points for your team, track progress & compare with previous reviews. Accessible through tablet, mobile app & web.
- **E-detailing:** Make detailed product information available offline through iPad/Tablet for your customers and report DCR offline.
- **Expense & Leave Management:** Calculate automatic daily expense based on DCR reporting, Monthly Expense Statement, Workflows & Approvals. Apply, approve and manage leaves based on workflows.
- **Inventory Management:** Keep track of inflow and outflow of samples and promo goods. Dispatch, assign, reconcile & acknowledge inventory, all from one place.
- **Survey Wizard:** Conduct surveys to collect feedback on training programs and gauge team satisfaction. Gather feedback from your stakeholders- Doctors, Chemists etc.
- **E-learning:** Create courses and other training programme, assign employees, manage exam and get feedback.

## **RepForce CRM MODULES are:-**

- Accounts Management- Hospitals, Institutions, Clinics, CnF, Stockist, Chemists.
- Contact Management- Doctor Profiling, Chemist Profiling and Interlinking.
- Territory Management- Div, Zones, HQ, Territories, Areas, Patches.
- Sales Force Reporting – Tour Plans, DCR's, Expenses, Leaves, Sales Data.
- Sales Force Communications- I mails, Circulars, SMS's.
- Sales Force Learnings - Faq's, Medical Dictionary, E-learning.
- Sales Force Dashboards – Standard Reports, Report Generators, Analytics.
- Product Management – Samples, Promos, Scientific Literatures.
- Targets Management – User wise, Product Group Wise, Territory wise.
- User Management – Access Rights, Vacancies, Organograms, Hierarch

# WORK AT ANANT INFOMEDIA PVT LTD

## Task 1 [Module: TourPlans]

To create responsive Monthly Tour plan Listing Page to display all the monthly records of the user and to allow users to search for the Monthly Tour Plans which have been already created into the application. My responsibilities were:

1. To display all the monthly records of the user in the listing table
2. To display search filter on click of search filter icon and to allow users to search for the Monthly Tour Plans which have been already created into the application
3. To display responsive design detail view page on click of month and to display details and approval history tab in detail view page.
4. To show the history of Monthly Tour plan record on click of show history link once the Monthly Tour plan has been submitted.
5. To add home, filter and add icon to the listing page.
6. To show the history of Monthly Tour plan record on click of show history link once the Monthly Tour plan has been submitted.

### Overview

Monthly Tour plan needs to be planned for each year, it keeps track of day to days activities of user, how many doctors, chemist, stockists the users has visited each day, and this Monthly Tour plan needs to be submitted by both the manager and MR user and the Monthly Tour plan of the users once submitted goes to their reporting manager for approval.

### Basic Functionality

**Use Case Description:** This will allow users to search for their Monthly Tour Plans which have been created into the application.

**Primary Actor:** MR, DM, RM, ZSM, NSM, Salesadmin.

**Precondition:** User has valid login credentials and has logged in to the system and has already created a Standard Tour Plan.

**Trigger:** User clicks on 'Tour Plans' in the Menu and clicks on 'Monthly Tour Plan'.

### **Basic Flow:**

1. User clicks on 'Tour Plans' in the Menu and clicks on 'Monthly Tour Plan'.
2. User will be shown a page where he/she can see the tour plans.
3. User will have provision to select Role, Territory, Month, Year and Status to search for the monthly planning. Salesadmin profile user will have additional

provision to select Division to search for the monthly planning. MR will get only Month, Year and Status as Search filters. Once the user clicks on Search, it will display all the details matching the criteria in the planning grid in tabular format.

4. In the search result, following columns will be displayed in tabular format i.e.

Sr. No.: This will be incremental number starting from 1 to the number of records displayed in the list.

Year: Will display year for which planning is filed by the user.

Month: This will display month for which planning is filed by the user, there will be provision to click on the month name. This will open a window to display the planning details for the month.

Requester: This will be the user that requests the Monthly Tour Plan.

Status: This will display status as Saved or Submitted, Approved, Rejected.

Pending With: This will display the user's manager name with whom the request is pending to be approved.

History: This will display action being performed by user or manager on the selected planning details, there will be provision to click on the history. This will open a window to display the actions taken on the selected monthly planning details

Edit/Delete: This option will be available to user if the planning details are in save mode or if the planning details are rejected by higher level user

**Validations:** If users leaves any field empty while searching than it displays validation message.

## Screenshots

### 1. Listing page

#### Monthly Tour Plan



Show  entries

Sr No	Year	Month	Requester	Status	Pending With	History	Edit	Delete
1	2022	April		Approved		Show History		
2	2022	May		Submitted		Show History		

Showing 1 to 2 of 2 entries

Previous **1** Next

### 2. Search Filter

#### Monthly Tour Plan



Filters:

*Role:	<input type="text" value="BE"/>	*User:	<input type="text"/>	*Year:	<input type="text" value="2022"/>
*Month:	<input type="text" value="MAY"/>	*Status:	<input type="text" value="Approved"/>		
<input type="button" value="Search"/> <input type="button" value="Clear"/>					

Show  entries

Sr No	Year	Month	Requester	Status	Pending With	History	Edit	Delete
1	2022	May	:	Approved		Show History		

Showing 1 to 1 of 1 entries

Previous **1** Next

### 3. Detail view page

TourPlan: (April-2022)

- Print Activity/Area-Patch TP
- Print Entire TP

Approval History		Details	
Date	Area/Patch(s)		
1st Apr 22 (Fri)	AVADI 1		
Activity:	FIELD WORK	Note:	Area/Patch: AVADI 1
Planned Customers:		Town: AVADI	Station: EX-HQ
Activity:		Note:	Area/Patch: AVADI 1
Planned Customers:		Town: AVADI	Station: EX-HQ
Activity:		Note:	Area/Patch: AVADI 1
Planned Customers:		Town: AVADI	Station: EX-HQ
2nd Apr 22 (Sat)	AVADI 1		

TourPlan: (April-2022)

- Print Activity/Area-Patch TP
- Print Entire TP

Approval History		Details	
User:		Status: Pending	Date: 2022-04-06
User:		Status: Approved	Date: 2022-04-06

Back

#### 4. Show history page

### Monthly Tour Plan

Show 10 entries

Monthly - (May 2022)

User	Status	Date	Reason
	Pending	25-04-2022	

Showing 1 to 2 of 2 entries

Previous 1 Next

## **Task 2: [Module: TourPlans]**

To Create New Monthly Tour Plan Page on click on Add Icon from Listing Page and should be able to save, submit, edit and delete the record. And to approve the New Monthly Tour Plan.

### a) **Create New Monthly Tour Plan**

#### **Overview**

This will allow users to add their Monthly Tour plans into the system for the selected year and month.

Once the User has created a Standard Tour Plan for the Year, he/she can create a Tour Plan every month. This will contain details of the customers (Doctors, Chemists, and Stockists) which are to be planned for that particular month. Here since the user has created a Standard Tour Plan, he/she can reuse the same Standard Tour Plan and/or customize it while creating the Monthly Tour Plan or create a fresh one from scratch and then customize it as required.

Once the Monthly Tour Plan is submitted, the user won't be able to edit the same. Once submitted, it will be sent to the Reporting Manager for approval. The user won't be able to use this Monthly Tour Plan without it being approved by the Manager.

#### **Basic Functionality**

**Use Case Description:** This will allow users to add their Monthly Tour plans into the system for the selected year and month.

**Primary Actor:** MR, DM, RM, ZSM, NSM

**Precondition:** User has valid login credentials and has logged in to the system and has already created a Standard Tour Plan.

**Trigger:** User clicks on 'Tour Plans' in the Menu and clicks on 'Monthly Tour Plan'.

#### **Basic Flow:**

1. User clicks on 'Tour Plans' in the Menu and clicks on 'Monthly Tour Plan'.
2. He/she will be shown a page where he/she can see the tour plans.
3. The user will then click on New Monthly Tour Plan to create a new plan for the selected month. The system will open a pop up where the user can select the Year and the Month for which he/she wants to create the plan. The user can create the Monthly tour plan only for the current and next months. The system will not allow plans to be created for past months or for those months where plans have already been created. On clicking the 'New' button in the popup, a screen is opened displaying the fields mentioned below.

4. Following details/fields will be displayed in the list as below:

a. Date: Date of the month.

b. Day: Day of the week i.e., Monday, Tuesday etc.

c. Activity type: Activity type allows user to select the activity planned for the day i.e., Campaign, Sales Closing, Seminar, Field Work, Training, Transit, Meeting, Conference etc. On selection of Activity type other than Field Work, User will be allowed to enter notes for the selected activity type.

d. (Patch): This allows user to select the Patch name of the user.

e. Contact: Contact field displays all the doctors and chemists available in list. Beside Doctor name, it shows the Visit Frequency, Class name and Speciality of the Doctor. This will get populated on selection of Market Area (Patch) and will be allowed to be selected only when activity type is selected as Field Work. The application will allow the user to select the contacts planned to visit for the day and will get added to his planned list upon save/submit of the form.

Here the system will pre populate this planned list along with the contacts they wish to meet daily, which each user has selected while planning their Standard Tour Plan. The system will load these contacts from the latest approved Standard Tour Plan for a particular user, however these contacts can be removed/deleted by user while planning for Monthly Tour Plan if they wish to. The user will have a provision to delete all the entries from this list

Contacts from Standard Tour Plan will be loaded as per the below logic:

i. Monday1 - Contacts from STANDARD TOUR PLAN will be loaded for the first Monday appearing in the month, similarly for the remaining days.

ii. Once all 24 days plan is loaded, then for the remaining days user has to plan in MTP.

5. The user can then Save or Submit the form.

6. On Save, the user data gets saved and he can edit/modify the data later on.

7. For MR users additional Quick save and Delete all stp button will be displayed at the time of adding or deleting records.

8. User can also delete a record of one particular day by clicking on Del button.

9. On Submit, the Summary of Master Doctor + Visit frequent count, Planned Doctor + Visit Frequency Count, Master Doctor list, Missed Doctor list, Extra Doctor list will be displayed

10. On Final Submit the Monthly Tour Plan (MTP) gets forwarded to the higher up (immediate reporting manager) for their approval.

11. For Manager, the MTP addition form will be different.

12. Manager can adopt the Tour Plan created by the MRs in their team by selecting the Territory from Territory Dropdown and clicking on File.
13. On click of File, a popup will load displaying all the contacts planned by selected MR. If no MTP is filed by MR then the system will display a message that 'Monthly Tour Plan, Either not Submitted or Approved of the selected User for date: 'yyyy-mm-dd'.
14. If Manager wishes to plan additional activities, then he can select the required Activity from the Activity type Dropdown.
15. On Submit, the Monthly Tour Plan (MTP) gets forwarded to the higher up (immediate reporting manager) for their approval.

**Alternate Flows:**

1. If the user clicks on New Monthly Tour Plan and then selects the year for which MTP has already been entered, the user will be shown a message that the Tour plan has already been created.

**Validations:**

1. If details of Monthly Tour Plan for a particular month and year for that particular user has already been entered and has been approved, then the system will not allow to enter details for the same month again. Appropriate error message will be displayed to the user.
2. If user has not created STP then he will not be allowed to create MTP. It will show alert message, Standard tour plan not submitted.
3. The User will not be allowed to enter his notes when activity type is selected as Field work.
4. All the Sundays will be displayed in red colour.
5. DCR filing is not allowed until and unless MTP is approved.
6. If the user joins in the middle of the month, then that month MTP creation will be mandatory for DCR filing. But if the user wishes to create then it can be created and will be allowed to plan for the days from the date of joining of the user in that month.
7. If the user doesn't plan for one particular day and clicks on submit button than it will show alert message.

## **b) Edit Monthly Tour Plan**

### **Overview**

This will allow user to edit/modify details of their Monthly Tour Plan which has already been created and saved but not yet submitted by the user. The user can save and continue with adding the data for the Monthly Tour Plan as per his convenience. The user can save this Monthly Tour Plan and come back at a later time and edit the same if he wishes to add more data for the same.

This feature allows the user to save the Monthly Tour Plan and edit it. Also Monthly Tour Plans that are submitted won't be allowed to edit.

### **Basic Functionality**

**Use Case Description:** This will allow user to edit/modify details of their Monthly Tour Plan which has already been created and saved but not yet submitted by the user.

**Primary Actor:** MR, DM, RM, ZSM, NSM

**Precondition:** User has valid login credentials and has logged in to the system and has already saved a Monthly Tour Plan

**Trigger:** User clicks on Tour Plans in the Menu and clicks on Monthly Tour Plan

### **Basic Flow:**

1. User clicks on Tour Plans in the Menu and clicks on Monthly Tour Plan.
2. He will be shown a page where he can search the MTP entered for previous months by selecting the Year and the month.
3. User then clicks on Edit for a particular record of the Monthly Tour Plan which he wants to edit.
4. On click of Edit, the user will be shown the same form containing the data that he had filled while creating the Monthly Tour Plan earlier.
5. The user can then enter the remaining data and can then Save the form or Submit it for approval of the higher up.

### **Alternate Flows:**

1. If the user clicks on New Monthly Tour Plan and then selects the year for which MTP has already been entered, the user will be shown a message that the Tour plan has already been created.

**Validations:**

1. The User will not be allowed to enter his notes when activity type is selected as Field work.
2. All the Sundays will be displayed in red color.
3. DCR filing is not allowed until and unless MTP is approved.
4. If the user joins in the middle of the month, then that month MTP creation will be mandatory for DCR filing. But if the user wishes to create then it can be created and will be allowed to plan for the days from the date of joining of the user in that month.
5. If the user doesn't plan for one particular day and clicks on submit button than it will show alert message.

**c) Delete Monthly Tour Plan****Overview**

This will allow user to delete details of their Monthly Tour Plan which has already been created and saved but not yet submitted by the user. If the user thinks that there is an error or mistake in the Monthly Tour Plan that he is created, he can either edit it to correct the data. If the user feels that the Monthly Tour Plan created is not required, he can delete the same using this feature.

Only Monthly Tour Plans that have been saved but not submitted and approved by the Managers can be deleted. Submitted and Approved Standard Tour Plans cannot be deleted.

This feature allows the user to delete the Monthly Tour Plans that were created by the user.

**Basic Functionality**

**Use Case Description:** This will allow user to delete the Monthly Tour Plan which has already been created and saved but not yet submitted by the user.

**Primary Actor:** MR, DM, RM, ZSM, NSM

**Precondition:** User has valid login credentials and has logged in to the system and has already created a Monthly Tour Plan

**Trigger:** User clicks on Tour Plans in the Menu and clicks on Monthly Tour Plan.

**Basic Flow:**

1. User clicks on Tour Plans in the Menu and clicks on Monthly Tour Plan.

2. He will be shown a page where he can search the MTP entered for previous years/months.
3. User then clicks on 'del' for a particular record of the Monthly Tour Plan which he wants to delete.
4. User can delete only those record which he has saved or those which are rejected. User can't delete the records which are approved or submitted.
5. On click of 'del', the user will be displayed a message asking the user if he is sure of deleting the particular record.
6. Upon clicking 'ok' the particular record will be deleted and if the user clicks on cancel, user will be redirected to MTP

**Validations:** Delete link will be displayed for a particular MTP if it has been saved but not yet submitted.

#### **d) Approve New Monthly Tour Plan**

##### **Overview**

This will allow higher up user (Managers) to approve Monthly Tour Plan of users who are reporting to the particular user. Once the users has created the Monthly Tour Plan, he won't be able to use the same without the Monthly Tour Plan being approved by the Reporting Manager. Only once the Monthly Tour Plan has been approved by the Manager, the same can be used while creating the Monthly Tour Plan.

This feature allows the user (Managers) to approve or reject the Monthly Tour Plans of the users requesting for the approval of their Tour Plan.

##### **Basic Functionality**

**Use Case Description:** This will allow higher up user (Managers) to approve Monthly Tour Plan of users who are reporting to the particular user.

**Primary Actor:** DM, RM, ZSM, NSM, Salesadmin

**Precondition:** User has valid login credentials and has logged in to the system

**Trigger:** User clicks on Tour Plans in the Menu and clicks on Monthly Tour Plan.

##### **Basic Flow:**

1. User clicks on Tour Plans in the Menu and clicks on Monthly Tour Plan.
2. He will be shown a page where he can search the MTP requests pending for approval by users reporting to the current user.

3. To view all MTP requests, user needs to click on the Month to open the screen.
4. On click of month, following tabs will be displayed.

Details: this tab will be displayed by default. In this the user will be able to see the details of the MTP of that particular month, submitted by the users reporting to him where in he can either approve/reject the MTP's. The user can also download the print of Activity/Area-Patch Tour Plan and Entire Tour Plan.

Approval Summary: This will display action being performed by user or manager on the selected planning details.

5. If user wants to approve, then he will click on approve and submit.
6. If user wants to reject, then he will have to enter the reason for rejection and click on reject and submit.
7. On click of submit or cancel, user will get redirected to the MTP listing page.

## Screenshots

### a) Create New Monthly Tour Plan (MR user)

If STP is not submitted than is displays the alert message.

The screenshot displays the 'Monthly Tour Plan' interface. At the top, there is a header with the title 'Monthly Tour Plan' and a user notification: '142.132.195.27 says Standard tourplan not Submitted!' with an 'OK' button. Below the header, there is a 'Show 10 entries' dropdown menu and a 'Create New MTP' link. The main form contains two dropdown menus: '\*Year: 2022' and '\*Month: JUNE'. Below these are 'New' and 'Cancel' buttons. The bottom portion of the screenshot is a large grey rectangular area, likely representing a blurred or redacted section of the page.

If MTP already exists for selected month than it displays alert message.

The screenshot shows the 'Monthly Tour Plan' header with a 'Show 10 entries' dropdown and navigation icons. Below the header is a 'Create New MTP' section. An alert message box is displayed, stating '142.132.195.27 says Tour already planned!' with an 'OK' button. Below the alert, there are dropdown menus for '\*Year: 2022' and '\*Month: MAY', and 'New' and 'Cancel' buttons.

MTP can be planned only for current or next month e.g. if current month is May and users plans for July than it will display alert message.

The screenshot shows the 'Monthly Tour Plan' header with a 'Show 10 entries' dropdown and navigation icons. Below the header is a 'Create New MTP' section. An alert message box is displayed, stating '142.132.195.27 says You cannot file for this month!' with an 'OK' button. Below the alert, there are dropdown menus for '\*Year: 2022' and '\*Month: JULY', and 'New' and 'Cancel' buttons.

The screenshot shows the 'Monthly Tour Plan' header with a 'Show 10 entries' dropdown and navigation icons. Below the header is a 'Create New MTP' section. The form shows dropdown menus for '\*Year: 2022' and '\*Month: JUNE', and 'New' and 'Cancel' buttons.

# MTP Created for June Month

## Monthly Tour Plan: (June,2022)

⚡ This session will be expired within 44 minutes, kindly use the ⚡ Quick Save ⚡ to avoid losing the entered data ⚡

Detail View

Save Submit Cancel

Date	Day	Activity Type	Area/Patch	Contact	Add
1st Jun 22	Wed				Add

Delete all STP

Activity: FIELD WORK Planned Contacts:	Area/Patch: hospital road	Town: Sitamarhi	Station: HQ	Del
Activity: FIELD WORK Planned Contacts: Pramod Kumar (DR)   (CORE)   (A)   (GP)	Area/Patch: Sitamarhi	Town: Sitamarhi	Station: HQ	Del
Activity: FIELD WORK Planned Contacts:	Area/Patch: Sitamarhi	Town: Sitamarhi	Station: HQ	Del
Activity: FIELD WORK Planned Contacts:	Area/Patch: Sitamarhi	Town: Sitamarhi	Station: HQ	Del
Activity: FIELD WORK Planned Contacts:	Area/Patch: Sitamarhi	Town: Sitamarhi	Station: HQ	Del
Activity: FIELD WORK Planned Contacts:	Area/Patch: Sitamarhi	Town: Sitamarhi	Station: HQ	Del
Activity: FIELD WORK Planned Contacts:	Area/Patch: Sitamarhi	Town: Sitamarhi	Station: HQ	Del

The User will not be allowed to enter his notes when activity type is selected as Field work.

If users does't enter details for any one day except on Sunday and clicks on submit than it display validation message

142.132.195.27 says  
Please plan for 29th of June

OK

28th Jun 22	Tue				Add
-------------	-----	--	--	--	-----

Delete all STP

Activity: FIELD WORK Planned Contacts:	Area/Patch: Sitamarhi Bazar	Town: Sitamarhi	Station: HQ	Del
Activity: FIELD WORK Planned Contacts:	Area/Patch: Sitamarhi	Town: Sitamarhi	Station: HQ	Del

29th Jun 22	Wed				Add
30th Jun 22	Thu				Add

Save Submit Cancel

Record entered on 29<sup>th</sup> and 30<sup>th</sup> as it is compulsory to add doctor or chemist or stockist else it display validation message.

Delete all STP

Activity: FIELD WORK Area/Patch: Sitamarhi Town: Sitamarhi Station: HQ  
 Planned Contacts: Note: ---- Del

Activity: FIELD WORK Area/Patch: Sitamarhi Town: Sitamarhi Station: HQ  
 Planned Contacts: Note: ---- Del

29th Jun 22 Wed FIELD WORK Baigania-Sitamarhi Add

Activity: FIELD WORK Area/Patch: Baigania-Sitamarhi Town: Sitamarhi Station: HQ  
 Planned Contacts: Note: ---- Del Quick Save

30th Jun 22 Thu Online Review Meeting Add

Activity: Online Review Meeting Area/Patch: Town: Station:  
 Planned Contacts: Note: ---- Del Quick Save

Save Submit Cancel

On click of submit it displays the Summary of Master Doctor + Visit frequent count, Planned Doctor + Visit Frequency Count, Master Doctor list, Missed Doctor list, Extra Doctor.

Monthly Tour Plan: (June,2022)

⚠ This session will be expired within 41 minutes, kindly use the Quick Save to avoid losing the entered data ⚠

[Master] Doctor + Visit Frequency Count			[Planned] Doctor + Visit Frequency Count		
Frequency Type	Doctor Count	Visit Count	Frequency Type	Doctor Count	Visit Count
IMP	0	0	IMP	0	0
CORE	88	176	CORE	88	165
Super Core	0	0	Super Core	0	0
<b>Total</b>	<b>88</b>	<b>176</b>	<b>Total</b>	<b>88</b>	<b>165</b>

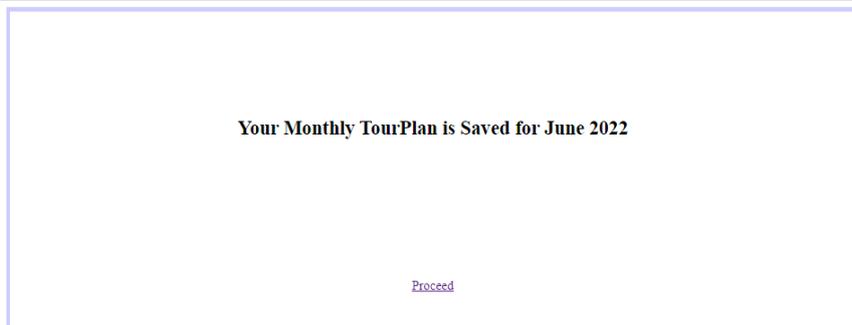
Master Doctor List		Missed Doctor List	
Sr	Doctor Name	Sr No	Doctor Name
1		1	
2		2	
3		3	
4		4	
5		5	
6		6	
7		7	
8		8	
9		9	
10		10	
11		11	
12		12	
13		13	
14		14	
15		15	
16		16	
17		17	
18		18	
19		19	
20		20	
21		21	
22		22	
23			

On click of final submit button the MTP gets submitted



### b) Edit

On click of save button the MTP gets saved



On click of edit the user can edit his MTP record

**Monthly Tour Plan** 🏠 ⌵ +

Show  entries

Sr No	Year	Month	Requester	Status	Pending With	History	Edit	Delete
1	2022	March		Approved		Show History		
2	2022	April		Approved		Show History		
3	2022	May		Approved		Show History		
4	2022	June		Rejected		Show History	Edit	del

Showing 1 to 4 of 4 entries Previous 1 Next

---

Activity: FIELD WORK Area/Patch: Baigania-Sitamarhi Town: Sitamarhi Station: HQ  
Planned Contacts: Del Quick Save

30th Jun 22 🕒 Thu    
Add

Activity: Online Review Meeting Area/Patch: Town: Station:  
Planned Contacts: Del Quick Save

Save Submit Cancel

### c) Delete

On click of delete button the MTP gets deleted

Monthly Tour Plan 142.132.195.27 says

Are you sure?

Show 10 entries

Sr No	Year	Month	Status	History	Edit	Delete
1	2022	March	Approved	Show History		
2	2022	April	Approved	Show History		
3	2022	May	Approved	Show History		
4	2022	June	Rejected	Show History	Edit	del

Showing 1 to 4 of 4 entries

Previous 1 Next

Monthly Tour Plan

Show 10 entries

Sr No	Year	Month	Requester	Status	Pending With	History	Edit	Delete
1	2022	March		Approved		Show History		
2	2022	April		Approved		Show History		
3	2022	May		Approved		Show History		

Showing 1 to 3 of 3 entries

Previous 1 Next

### d) Approve

Manager gets the MTP submitted request for his lower user for approval in MTP listing

Monthly Tour Plan

Show 10 entries

Sr No	Year	Month	Requester	Status	Pending With	History	Edit	Delete
1	2022	April		Approved		Show History		
2	2022	May		Approved		Show History		
3	2022	June		Submitted		Show History		

Showing 1 to 3 of 3 entries

Previous 1 Next

Manager has to click on month and needs to approve or reject the MTP request

Activity: FIELD WORK  
Station: HQ  
Note: Planned Customers: [Redacted]  
Area/Patch: Sitamarhi  
Town: Sitamarhi

29th Jun 22 (Wed)  
Click on link to see deviation  
Bairania

Activity: FIELD WORK  
Station: HQ  
Note: Planned Customers: [Redacted]  
Area/Patch: Bairania  
Town: Sitamarhi

30th Jun 22 (Thu)

Activity: Online Review Meeting  
Station: [Redacted]  
Note: [Redacted]  
Area/Patch: --NA--  
Planned Customers: --NA--  
Town: [Redacted]

Approve  Reject

Enter Reason if Tour Plan is rejected

tes{

Submit Cancel

If manager rejects the request than status will be rejected

Monthly Tour Plan Home Filter Plus

Show 10 entries

Sr No	Year	Month	Requester	Status	Pending With	History	Edit	Delete
1	2022	April		Approved		Show History		
2	2022	May		Approved		Show History		
3	2022	June		Rejected		Show History		

Showing 1 to 3 of 3 entries Previous 1 Next

If manager approves the request than status will be approved

Activity: FIELD WORK  
Station: HQ  
Note: Planned Customers: [Redacted]  
Area/Patch: bypas road  
Town: Sitamarhi  
Station: HQ

30th Jun 22 (Thu)  
Click on link to see deviation  
Sitamarhi Bazar

Approve  Reject

Enter Reason if Tour Plan is rejected

Submit Cancel

## Monthly Tour Plan



Show  entries

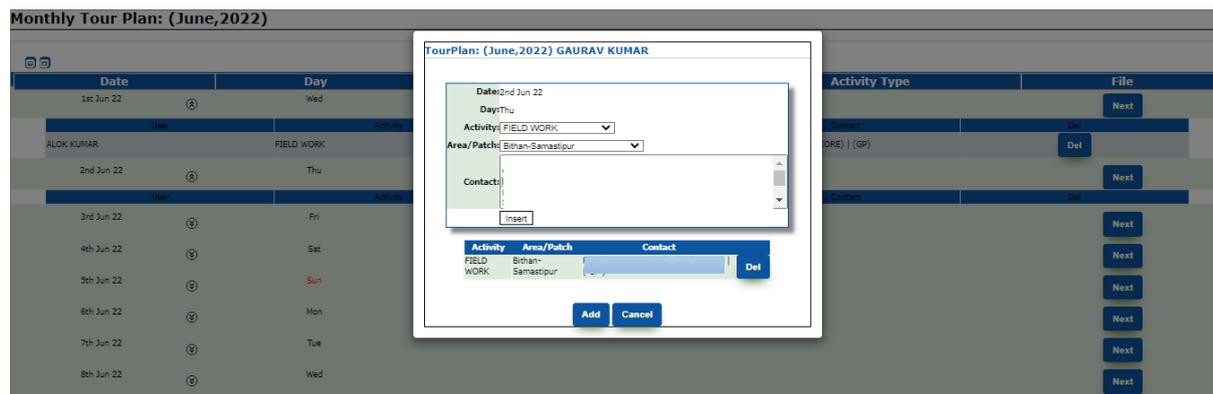
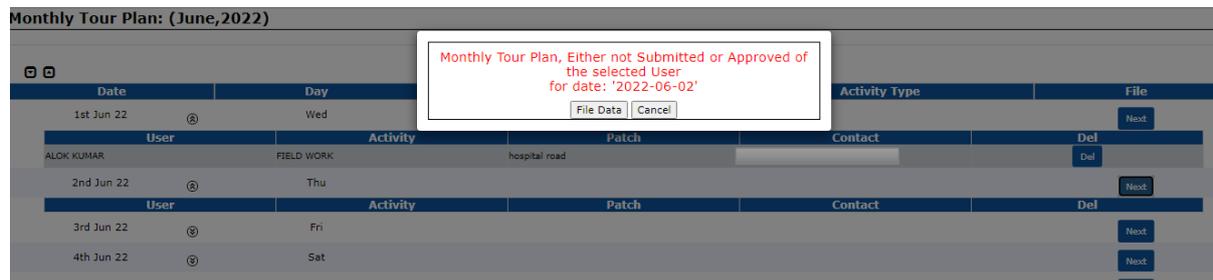
Sr No	Year	Month	Requester	Status	Pending With	History	Edit	Delete
1	2022	March		Approved		Show History		
2	2022	April		Approved		Show History		
3	2022	May		Approved		Show History		
4	2022	June		Approved		Show History		

Showing 1 to 4 of 4 entries

Previous **1** Next



In this screen shot the manager has selected the territory of user who has not filed MTP for June month. So the manager need to file the MTP



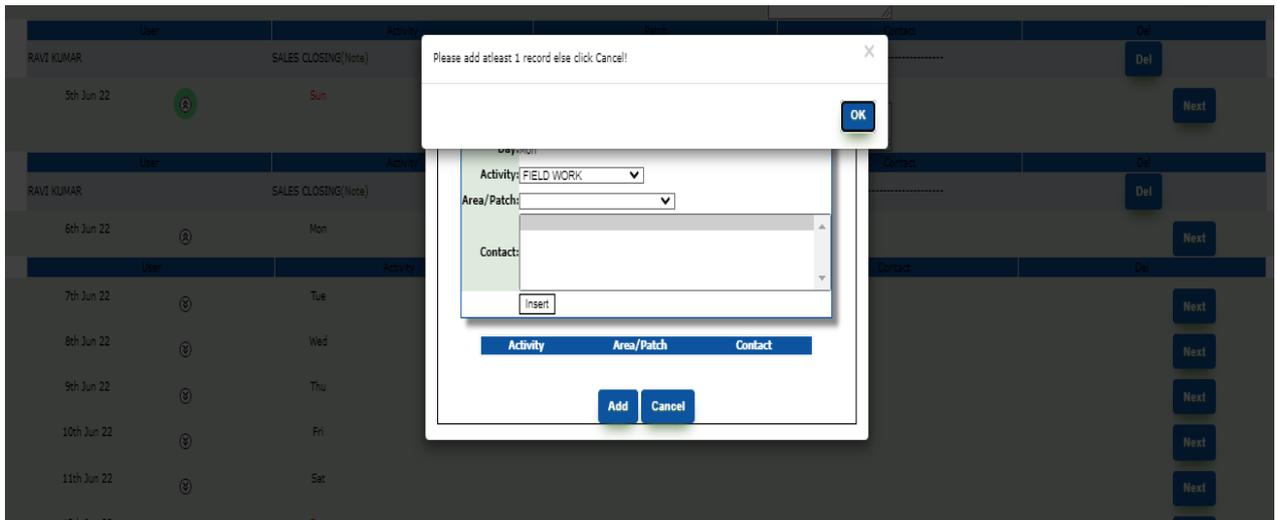
If the manager selects both territory and activity type at the same time than it shows the alert message.



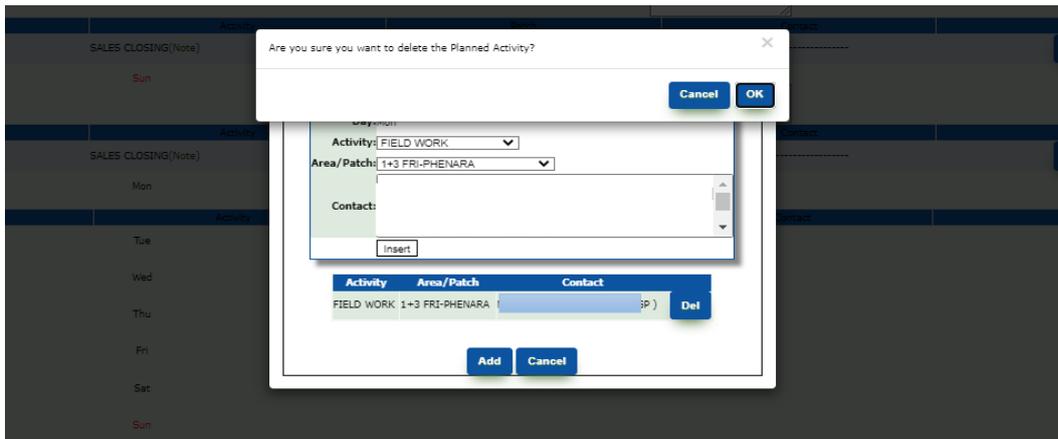
If the manager clicks on note than it displays the note.

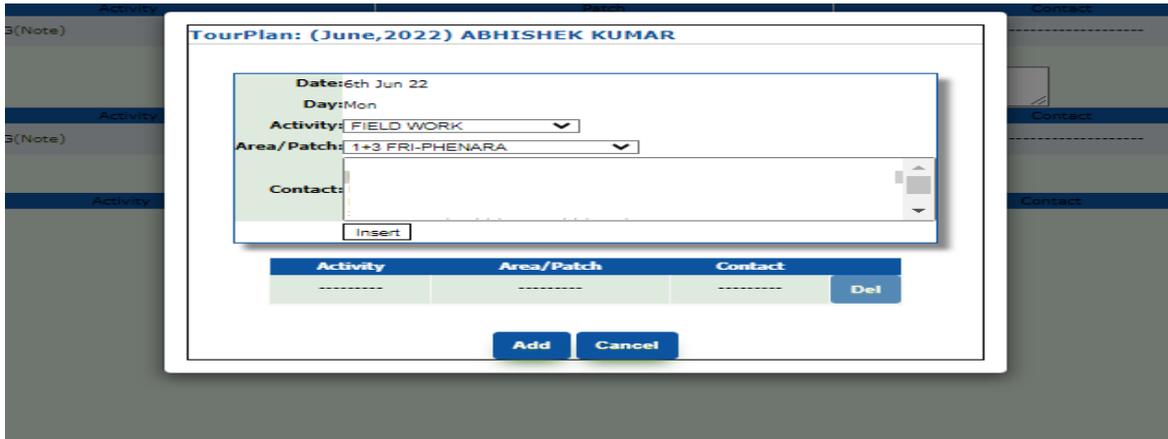


If the manager clicks on add button without adding records than it displays alert message.

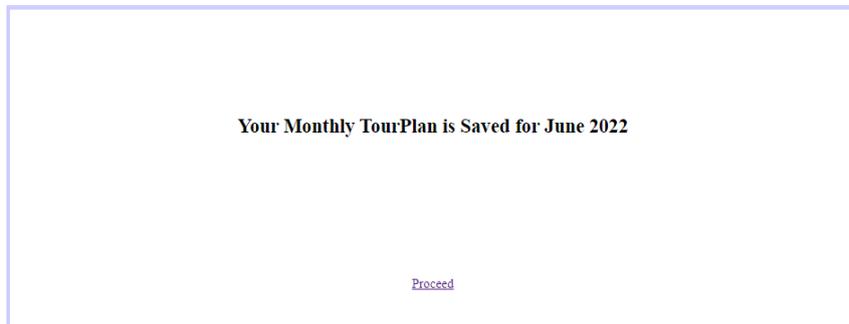


If the manager clicks on Del button than it displays alert message to delete record.





If the manager clicks on save button than the MTP Gets Saved and then the manager can edit it.



On click of submit button the MTP gets submitted and goes for approval to his manager



## Monthly Tour Plan



Show 10 entries

Sr No	Year	Month	Requester	Status	Pending With	History	Edit	Delete
1	2022	June		Submitted		Show History		

Showing 1 to 1 of 1 entries

20th Jun 22 (Mon)
21st Jun 22 (Tue)
22nd Jun 22 (Wed)
23rd Jun 22 (Thu)
24th Jun 22 (Fri)
25th Jun 22 (Sat)
26th Jun 22 (Sun)
27th Jun 22 (Mon)
28th Jun 22 (Tue)
29th Jun 22 (Wed)
30th Jun 22 (Thu)

Accept     Reject  
- Enter Reason if Tour Plan is rejected

Once the manager approves the MTP it will display status as approve

### Monthly Tour Plan

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Show 10 entries

Sr No	Year	Month	Requester	Status	Pending With	History	Edit	Delete
1	2022	April		Approved		<a href="#">Show History</a>		
2	2022	May		Approved		<a href="#">Show History</a>		
3	2022	June		Approved		<a href="#">Show History</a>		

Showing 1 to 3 of 3 entries

Previous
1
Next

### Task 3: [Module: TourPlans]

To display Pop Up when manager clicks on submit button when trying to submit MTP and display all the names of corporate doctors in pop which he has missed to add while creating MTP.

#### Overview

(For manager user) While Creating an MTP, if manager has missed to plan any doctors which is tagged to Corporate Doctor Campaign, then at the time of submitting form when the manager click on submit button than system will display a popup containing all the names of Corporate Doctors which he dint added or dint included for any dates. If manager does not want to add than he can click on submit button and mtp will get submitted, and if the manager wants to add than he can click on cancel button and he can add.

#### Screenshots

Displays all the names of corporate doctors the manager has missed to add

Sr no	Doctor Name	Campaign	Territory
1		Gastrova Camp	CHENNAI 4
2		Gastrova Camp	CHENNAI 4
3		Gastrova Camp	CHENNAI 4
4		Gastrova Camp	CHENNAI 4
5		Gastrova Camp	CHENNAI 4
6		test campaign3	VELLORE
7		test campaign3	VELLORE
8		test campaign3	VELLORE
9		test campaign3	VELLORE
10		test campaign3	VELLORE

Manager tries to add one corporate doctor which he has missed

**TourPlan: (May,2022) Vacant**

Date: 31st May 22  
 Day: Tue  
 Activity: FIELD WORK  
 Area/Patch: 1,2,3 AND 4 TH MONDAY(VELL...  
 Contact:   
 Insert

Activity	Area/Patch	Contact
FIELD WORK	1,2,3 AND 4 TH MONDAY(VELLORE 1)-VELLORE	<input type="text"/>

Del

Add Cancel

Once the Corporate doctor is added than that doctor names goes from pop up

**Missed Corporate Doctor List**

Sr no	Doctor Name	Campaign	Territory
1		Gastrova Camp	CHENNAI 4
2		Gastrova Camp	CHENNAI 4
3		Gastrova Camp	CHENNAI 4
4		Gastrova Camp	CHENNAI 4
5		Gastrova Camp	CHENNAI 4
6		test campaign3	VELLORE
7		test campaign3	VELLORE
8		test campaign3	VELLORE
9		test campaign3	VELLORE

Submit Cancel

## Task 4: [Module: TourPlans]

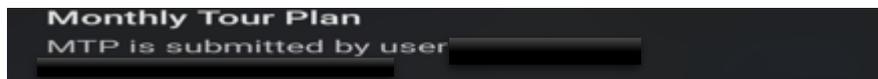
To get notifications on mobile of Manager User once the MTP is being submitted by MR user and to get notifications on mobile of MR User once the MTP is being approved or rejected by higher Manager.

### Overview

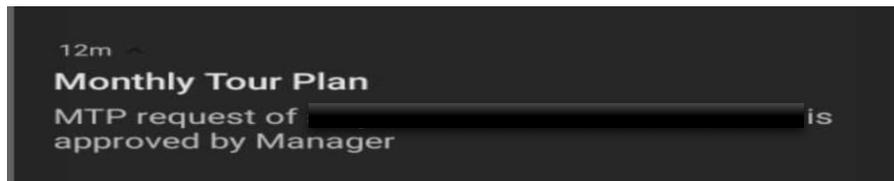
Once the Monthly Tour Plan (MTP) is submitted then the higher level user gets notification (notification on mobile) that 'MTP is submitted by user' with user name and User will receive a notification (notification on mobile) once the MTP is approved/Rejected by the Manager.

### Screenshots

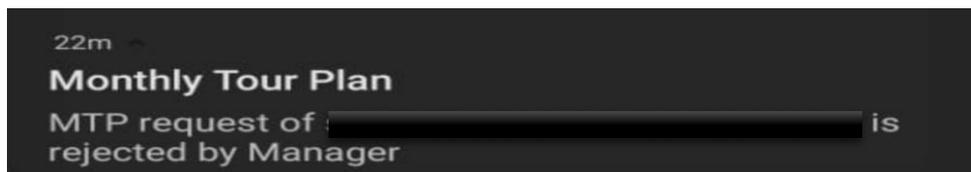
Once the MR user Submits MTP then Manager gets this notification



Once the Manager approves the MTP then User gets the notification that MTP request of user has been approved by manager.



Once the Manager rejects the MTP then User gets the notification that MTP request of user has been rejected by manager.



## **Task 5: [Module: TourPlans]**

To display Unfreeze button for all dates of month of MTP of MR user once the MTP is approved.

### **Overview**

This feature allows the user (Managers) to unfreeze dates of the Monthly Tour Plans of the MR users who has requested for unfreeze dates of their Tour Plan once the Tour Plan has been approved. Unfreeze button will only be displayed to Manager User on MTP requests approved of MR users

### **Basic Functionality**

**Use Case Description:** This will allow higher up user (Managers) to unfreeze dates of the Monthly Tour Plans of MR users who has requested for unfreeze dates of their Tour Plan once the Tour Plan has been approved.

**Primary Actor:** Manager Users.

**Precondition:** User has valid login credentials and has logged in to the system

**Trigger:** User clicks on Tour Plans in the Menu and clicks on Monthly Tour Plan.

### **Basic Flow:**

1. User clicks on Tour Plans in the Menu and clicks on Monthly Tour Plan.
2. He will be shown a page where he can search the MTP requests Approved by him for users who are reporting to him.
3. To view all MTP Approved requests, user needs to click on the Month to open the screen.
4. On click of month, following tabs will be displayed.  
Details: this tab will be displayed by default. In this the user will be able to see the details of the MTP of that particular month, submitted by the users reporting to him and if the request is approved than at the right side Unfreeze button will be displayed for each date.
5. If the MR user has filed DCR for one particular date than message "Dcr already submitted by user" will be displayed in red color in place of Unfreeze button for that particular date.
6. If user wants to Unfreeze, then he will click on Unfreeze button.
7. On click of unfreeze button one pop up will be displayed with label Enter Reason, textbox and with two buttons, Give Exception and Cancel.
8. After entering the reason when the user clicks on Give Exception button than confirmation message will be displayed in alert. Example if unfreeze date is 2 Jan 2022 than the message will be "Are you sure you want to unfreeze MTP for 2nd Jan 22? Click OK to proceed".
9. If the user clicks on cancel the alert message will get cancelled. And if the user clicks on OK than data will get submitted and popup will get closed and

message "Date is unfreezed" will be displayed in red colour in place of Unfreeze button.

### Validations:

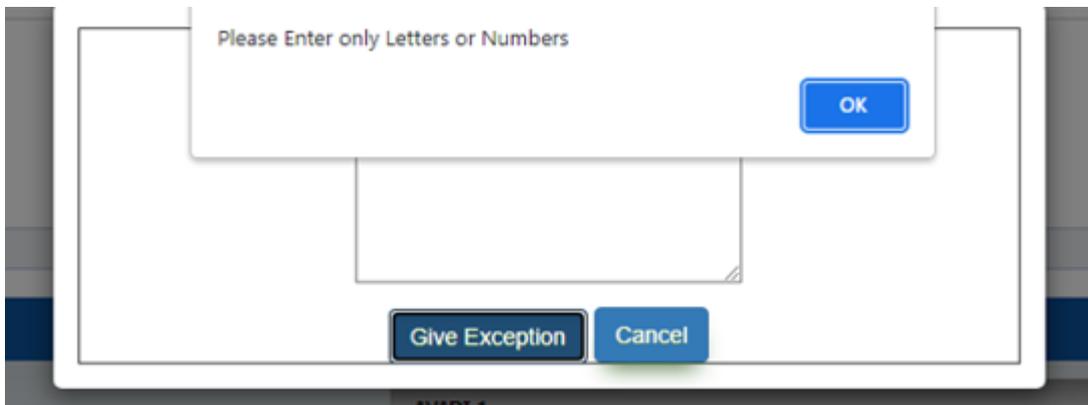
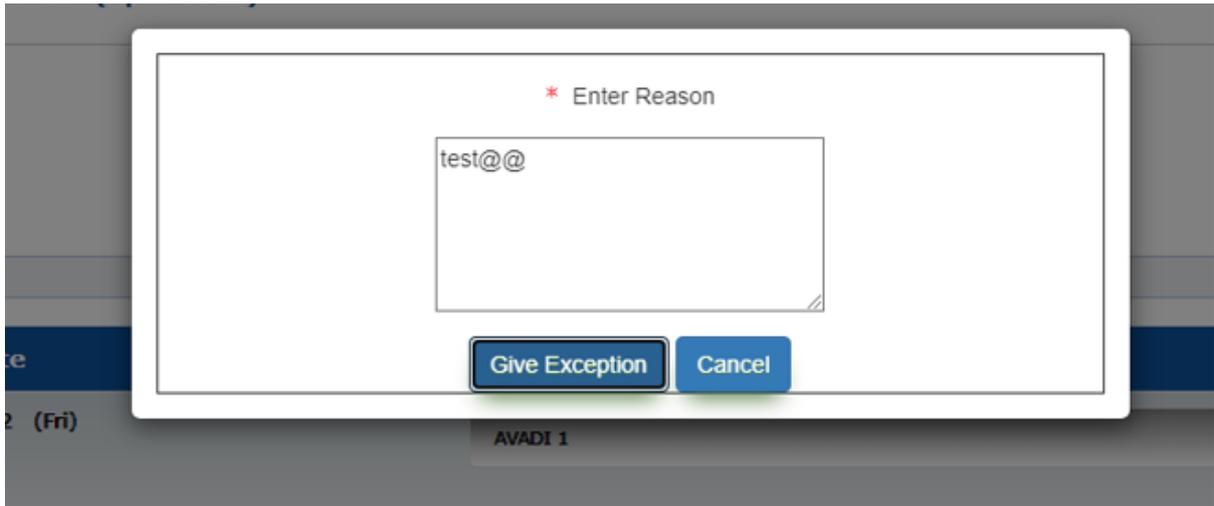
1. If the user doesn't enter the reason than message "Please Enter reason!" Will be displayed in alert box.
2. If the user enter special characters or numbers in the reason box than message "Please Enter only Letters" will be displayed in alert box.
3. If the user tries to unfreeze the date which is already unfreezed than message "This date is already unfreezed by user" will be displayed in alert box.  
Example "This date is already unfreezed by Username" will be displayed in alert box.

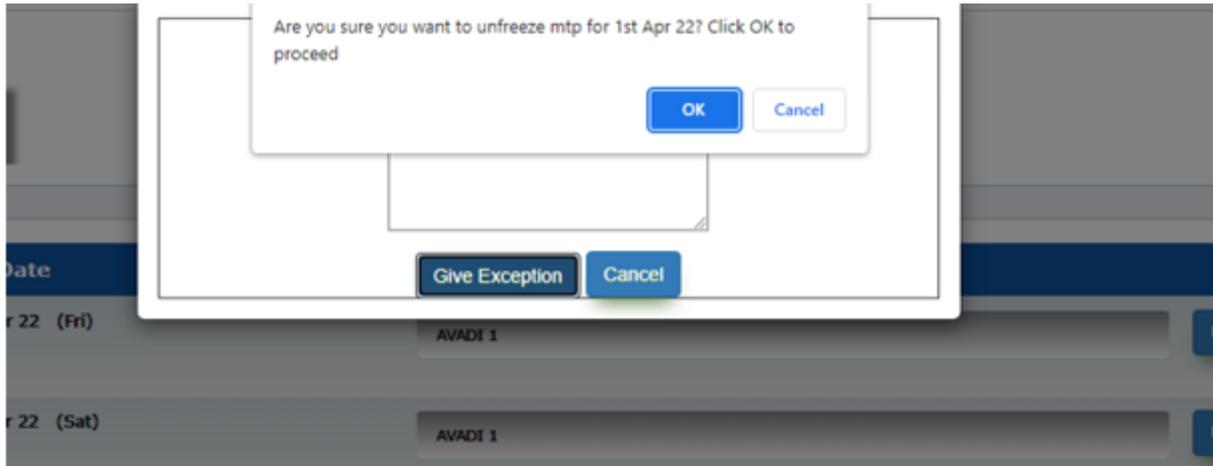
For example this case can be replicated when user tries to access to the website same time with two different devices and clicks on unfreeze button for 2nd Jan 22 and enters the reason, clicks on Give Exception, than OK on one device, and then clicks on unfreeze button for 2nd Jan 22 and does the same thing on another device than "This date is already unfreezed by user" will be displayed in alert box.

4. If MR user files DCR for one date and if the Manager at the same time clicks on Unfreeze button and enters the reason, clicks on Give Exception, and then clicks OK for same date than "Dcr already submitted by user" message will be displayed in alert box (username will be displayed in place of user in message).

### Screenshots

The first screenshot displays the date '14th Apr 22 (Thu)' and a search bar with 'AVADI 2'. A red error message 'Dcr already submitted by user' is visible in the top right. Below the search bar, there are four rows of activity data, each with 'Activity: FIELD WORK', 'Area/Patch: AVADI 2', and 'Town: AVADI EX-HQ'. The second screenshot displays the date '15th Apr 22 (Fri)' and a search bar with 'PADI 1'. A blue 'Unfreeze' button is visible in the top right.

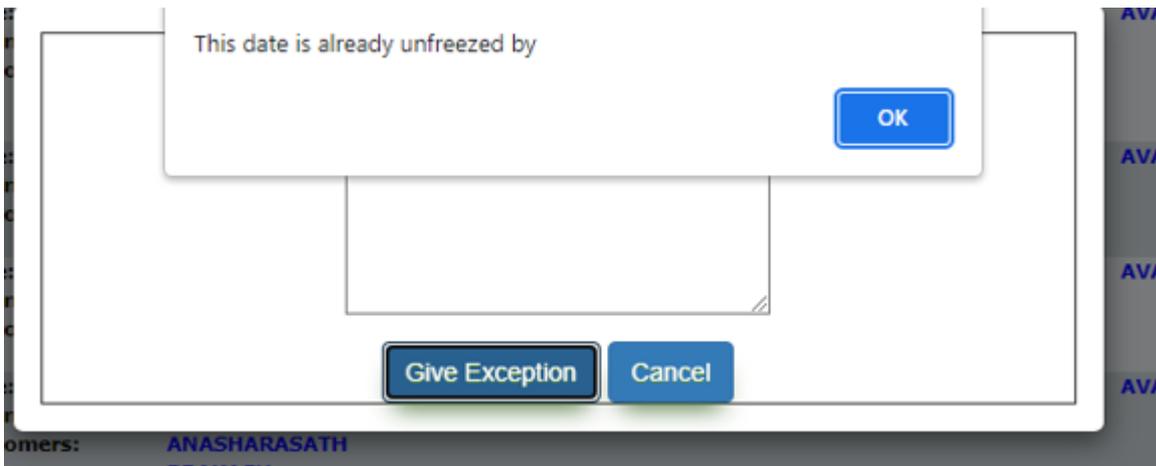




Date	Area/Patch(s)	
1st Apr 22 (Fri)	AVADI 1	Date is unfreezed
2nd Apr 22 (Sat)	AVADI 1	Unfreeze

Activity:	Note:	Area/Patch:	Town:
FIELD WORK		AVADI 1	AVADI EX-HQ
Planned Customers:			
Activity:	Note:	Area/Patch:	Town:
FIELD WORK		AVADI 1	AVADI EX-HQ
Planned Customers:			
Activity:	Note:	Area/Patch:	Town:
FIELD WORK		AVADI 1	AVADI EX-HQ
Planned Customers:			



## **Task 6: [Module: TourPlans]**

To implement STP MTP Deviation.

### **Overview**

When the user creates new MTP for month then by default STP records come for MTP day wise here the system will pre populate this planned list along with the contacts they wish to meet daily, which each user has selected while planning their Standard Tour Plan. The system will load these contacts from the latest approved Standard Tour Plan for a particular user

Contacts from Standard Tour Plan will be loaded as per the below logic:

- i. Monday1 - Contacts from STANDARD TOUR PLAN will be loaded for the first Monday appearing in the month, similarly for the remaining days.
- ii. Once all 24 days plan is loaded, then for the remaining day's user has to plan in MTP.

If STP Record is deleted and in place of that new record is added for that particular day than it is called STP MTP Deviation.

If there is STP MTP Deviation for one particular day than that row in detail view will be marked with marron colour and link will come. On click of link it will display pop up with Deviation Type and Contact name. Deviation Type will be added or deleted and Contact name will be doctor, chemist or stockist name.

If No STP record is there and new MTP record is added for that particular day than it is called STP MTP Deviation.

If users deletes one STP record and adds the same deleted record again for that day than it is not called STP MTP Deviation.

If one STP Record is deleted for one day and no new record is added than it is called STP MTP Deviation for that particular day.

STP MTP Deviation takes place While Planning MTP and gets displayed in detail view to both the MR user and Manager when MR user submits the MTP.

STP MTP Deviation Only takes Place for MR user and it is not there for Manager Users.

# Screenshots

28th Jun 22 (Tue) Sitamarhi

Activity:	FIELD WORK	Note:		Area/Patch:	Sitamarhi	Town:	Sitamarhi
Station:	HQ	Planned Customers:					
Activity:	FIELD WORK	Note:		Area/Patch:	Sitamarhi	Town:	Sitamarhi
Station:	HQ	Planned Customers:					

29th Jun 22 (Wed) bypass road  
 Click on link to see deviation

30th Jun 22 (Thu) Sitamarhi Bazar  
 Click on link to see deviation

Activity:	FIELD WORK	Note:		Area/Patch:	Sitamarhi Bazar	Town:	Sitamarhi
Planned Customers:						Station:	HQ

27th Jun 22 (Mon)

**STP MTP Deviation**

Deviation type	Contact Name
Added	(DR)

[Cancel](#)

28th Jun 22 (Tue) Sitamarhi

## **Task 7: [Module: Reports]**

To Map DOCTOR DETAILS REPORT

### **Overview**

This report displays all the doctor details which are there for the selected user. If the User selected is a BE, then all the doctor details of that user will be displayed in the excel file.

If the User selected is a BM, who has 3 or more BE users, then all the doctor details of BM user along with the doctor details of the BE users will be displayed in the excel file.

If the User selected is an RM or higher, then BM who reports to that RM and their BE users who reports to that BM user than all the doctor details of RM, BM, BE user will be displayed in the excel file.

If the selected user has no records for the selected Division than no records will be displayed in excel file, only headers will be displayed. This report will be available to sales admin, managers and MR users.

### **Search Criteria**

The search form will contain the following parameters;

a) Division: This field will be a single select drop-down loading applicable divisions in the system. Division name needs to be selected from the provided options. This will be a mandatory field for admin level user. This field will be displayed only to admin level user.

b) Role: This will be a single select drop down field loading all the roles(lower levels) available for the division of Logged in User. For admin user the division drop-down needs to be pre-selected and the roles will be all the roles of the selected division. It is mandatory to select the role option to obtain the users and their territory accordingly in the next drop down field. This field will be displayed to admin and manager level user.

c) User Name: Will be a single select drop-down. After selecting a role, all the users and their territory according to the role selected will be displayed in this menu. The user name along with the territory name and the designation will be shown. Users/territories in the lower hierarchy team will be considered. It will be a mandatory field for all the users. If MR User is logged in then only his/her territory will be loaded by default and no other territory will be provided in the drop-down.

Along with the search parameters additional 2 button will be provided:

- Create XL: This will be a button. On click of this button report will be downloaded in csv format based on the selected search parameters.
- Back: To navigate to the report listing. The button will redirect to the standard report list.

#### **Validations on Create XL:**

- I. All displayed fields will be mandatory for selection to generate the report.
- II. For Admin Level Users division, role, user name, fields will be mandatory
- III. For manager users (BM, RM, ZM, NSM users) role, user name, will be mandatory.
- IV. For BE users, user name, will be mandatory.

#### **Report Output**

Below are the field columns which will be provided in the report output;

1. Division: Will display the division name to which the user belongs.
2. Loginid: will display the login id of the user.
3. Title: will display the title of user. title may be BE,BM,RM,ZM,NSM
4. FirstName(User): will display the Firstname of user.
5. MiddleName: will display the MiddleName of user.
6. LastName: will display the LastName of user.
7. Territory: will display users working territory/area.
8. Doctor ID: will display the unique doctor ID
9. Doctor Code: will display the unique number of a doctor.
10. FirstName(Dr.): will display the Firstname of Doctor.
11. MiddleName: will display the MiddleName of Doctor.
12. LastName: will display the LastName of Doctor.
13. Patch Of Doctor: will display the Patch name of Doctor which was selected at the time of adding doctor.
14. Registration No: It will be numeric entry record.
15. Qualification: will display the qualification of Doctor.
16. Specialty as per Qualification: will display the speciality of doctor as GP, CP, and GYN.
17. Birthdate: will display the Birthdate of the doctor.
18. WeddingAnniversary: will display the WeddingAnniversary of the doctor.
19. Mobile No: will display the Mobile No of the doctor.
20. Sex: will display the Gender of the doctor, Male or Female.
21. Frequency: will display the Frequency as IMP, CORE or SUPER CORE.
22. MDL Number: It will be numeric entry record.

- 23. Business Category: will display the business category as Trade Doctor or Hospital Doctor.
- 24. Email: will display the Email of the doctor.
- 25. Clinic/HospitalName: will display the name of the Clinic/Hospital.
- 26. ClinicCity: will display the name of the City of the Clinic.
- 27. ClinicPinCode: will display the Pincode of the Clinic.
- 28. Associated Chemist: will display the name of the chemist which was selected while adding doctor details.

## Overview of DOCTOR DETAILS REPORT

### DOCTOR DETAILS REPORT

Search:

\*Division: Gastrova ▼ \*Role: NSM ▼ \*User Name: (NSM) (Mumbai Ho3) ▼

Create XL Back

Server response time: 0.073655 seconds.

### Report (CSV).

	C	D	E	F	G	H	I	J	K	L	M
1	Title	FirstName(User)	MiddleName	LastName	Territory	Doctor ID	Doctor Code	FirstName(Dr.)	MiddleName	LastName	Patch Of Doctor
2	BE				Madurai	4834	156252				1,2,3,4TH MONDAY(MA
3	BE				Madurai	4835	159556				2 AND 4TH SATURDAY(I
4	BE				Madurai	4836	172142				1,2,3,4TH MONDAY(MA
5	BE				Madurai	4837	172145				2 AND 4TH THURSDAY(I
6	BE				Madurai	4838	172182				2 AND 4TH THURSDAY(I
7	BE				Madurai	4839	186496				2 AND 4TH WEDNESDA
8	BE				Madurai	4840	186503				2 AND 4TH TUESDAY(KA
9	BE				Madurai	4841	186505				2 AND 4TH TUESDAY(KA
10	BE				Madurai	4842	186508				2 AND 4TH WEDNESDA
11	BE				Madurai	4843	186509				2 AND 4TH WEDNESDA
12	BE				Madurai	4844	186510				2 AND 4TH WEDNESDA
13	BE				Madurai	4845	186511		SAN		2 AND 4TH WEDNESDA
14	BE				Madurai	4846	193710				1,2,3,4TH MONDAY(MA
15	BE				Madurai	4847	193711				2 AND 4TH FRIDAY(MAI
16	BE				Madurai	4848	193713				1,2,3,4TH MONDAY(MA
17	BE				Madurai	4849	193725				1,2,3,4TH MONDAY(MA
18	BE				Madurai	4850	193727				2 AND 4TH FRIDAY(MAI
19	BE				Madurai	4851	193735				2 AND 4TH SATURDAY(I
20	BE				Madurai	4852	193746				1,2,3,4TH MONDAY(MA
21	BE				Madurai	4853	233959		I		2 AND 4TH WEDNESDA
22	BE				Madurai	4854	249388		N		2 AND 4TH TUESDAY(KA
23	BE				Madurai	4855	254254				1 AND 3RD THURSDAY(I

## **Task 8: [Module: Reports]**

### To Map CHEMIST DETAILS REPORT

#### **Overview**

This report displays all the chemist details which are there for the selected user. If the User selected is a BE, then all the chemist details of that user will be displayed in the excel file.

If the User selected is an BM, who has 3 or more BE users, then all the chemist details of BM user along with the chemist details of the BE users will be displayed in the excel file.

If the User selected is an RM or higher, then BM who reports to that RM and their BE users who reports to that BM user than all the chemist details of RM, BM, BE user will be displayed in the excel file.

If the selected user has no records for the selected Division than no records will be displayed in excel file, only headers will be displayed. This report will be available to sales admin, managers and MR users.

#### **Search Criteria**

The search form will contain the following parameters;

a) Division: This field will be a single select drop-down loading applicable divisions in the system. Division name needs to be selected from the provided options. This will be a mandatory field for admin level user. This field will be displayed only to admin level user.

b) Role: This will be a single select drop down field loading all the roles(lower levels) available for the division of Logged in User. For admin user the division drop-down needs to be pre-selected and the roles will be all the roles of the selected division. It is mandatory to select the role option to obtain the users and their territory accordingly in the next drop down field. This field will be displayed to all level user.

c) User Name: Will be a single select drop-down. After selecting a role, all the users and their territory according to the role selected will be displayed in this menu. The user name along with the territory name and the designation will be shown. Users/territories in the lower hierarchy team will be considered. It will be a mandatory field for all the users. If MR User is logged in then only his/her territory will be loaded by default and no other territory will be provided in the drop-down.

Along with the search parameters additional 2 button will be provided:

- Create XL: This will be a button. On click of this button report will be downloaded in excel format based on the selected search parameters.
- Back: To navigate to the report listing. The button will redirect to the standard report list.

#### **Validations on Create XL:**

- I. All displayed fields will be mandatory for selection to generate the report.
- II. For Admin Level Users division, role, user name, fields will be mandatory
- III. For manager users (BM, RM, ZM, NSM users) role, user name, will be mandatory.
- IV. For BE users role, user name, will be mandatory.

#### **Report Output**

Below are the field columns which will be provided in the report output;

1. Sr No.: This will be incremental number starting from 1 to the number of records displayed in the list.
2. Division: will display the division name to which the user belongs.
3. UserName: will display the username of user.
4. Territory: will display the Territory name of the respective user.
5. Loginid: will display the login id of the user.
6. Title: will display the title of user. title may be BE,BM,RM,ZM,NSM.
7. Area/Patch: will display the Patch name of Chemist which was selected at the time of adding chemist.
  
8. Chemist Shop Name: will display the name of the chemist shop.
9. Proprietor Name: will display the name of the owner of chemist shop.
10. Birth date: will display the birth date of the owner of chemist shop.
11. City: will display the city of the owner of chemist shop.
12. State: will display the state of the owner of chemist shop.
13. Pin Code: will display the pin code of the owner of chemist shop.

# Overview of CHEMIST DETAILS REPORT

## CHEMIST DETAILS REPORT

Search:

\*Division: Gastrova  \*Role: BM  \*User Name: BM ) ( CHENNAI DM )

[Create XL](#) [Back](#)

Server response time: 0.119226 seconds.

## Report (Excel).

Territory	Loginid	Title	Area/Patch	Chemist Shop Name	Proprietor Name	Birth date	City	State	Pin Code
Cuddalore		BE	1 AND 3 FRIDAY (NEYVELI )	APOLLO PHARMA TEST		03-28	NEYVELI	TAMILNADU	403001
Cuddalore		BE	1 AND 3 FRIDAY (NEYVELI )	APOLLO PHARMA		04-26	NEYVELI	TAMILNADU	
CHENNAI 4		BE	AVADI 1	CHEM		05-03	AVADI	TAMILNADU	123456
CHENNAI 4		BE	AVADI 1	CHEM SHOP			AVADI	TAMILNADU	123456
CHENNAI 4		BE	BORIVALI	TEST CHEMIST			BORIVALI	MAHARASHTRA	400051
CHENNAI 4		BE	AMoor	MARUTI CHEMIST			AMoor	TAMILNADU	400050
CHENNAI 4		BE	AMoor	NOBEL CHEMIST		02-05	AMoor	TAMILNADU	420522

## **Task 9: [Module: Reports]**

To create new TP Compliance Review Report.

### **Overview**

The TP Compliance Review Report will provide the count of No of field working days, Worked as per TP and % TP Compliance in list for selected month and year. The report will be available for all users (managers, admin users, MR users).

The report will provide search criteria and excel generation to display the user details.

### **Search Criteria**

1. The search form will contain the following parameters;
  - a) Division: This field will be a single select drop-down loading applicable divisions in the system. Division name needs to be selected from the provided options. This will be a mandatory field for all level users. This field will be displayed to all level users.
  - b) Role: This will be a single select drop down field loading all the roles (lower levels) available for the division of Logged in User. For admin user the division drop-down needs to be pre-selected and the roles will be all the roles of the selected division. For Managers and MR users they will get their division selected by default. Managers can select his or lower users division and MR users will get only his division and the roles will be all the roles of the selected division. It is mandatory to select the role option to obtain the users name accordingly in the next drop down field. This field will be displayed to all level users.
  - c) User Name: After selecting a role, all the users and their territory according to the role selected will be displayed in this single-select drop down menu. It will be a mandatory field for all the users.
  - d) Month: user needs to select month for which he needs the report. This will be a mandatory field for all level users.
  - e) Year: user needs to select year for which he needs the report. This will be a mandatory field for all level users.
  
2. Along with the search parameters additional 2 button will be provided :

- a) Create XL: A button to generate the report output in excel. This button will validate, and on successful validation it will generate a report output in an excel format (.xls extension) for the selected search parameters.
- b) Back: To navigate to the report listing. The button will redirect to the standard report list.

#### **Validations on Create XL:**

- I) All displayed fields will be mandatory for selection to generate the report.
- II) For All Level Users division, role, user name, month and year fields will be mandatory
- III) For manager users (BM, RM, ZM, NSM users) role, user name, month and year will be mandatory.
- IV) For BE users role, user name, month and year will be mandatory.

#### **Report Output**

1. The report output will be provided in excel file depending on the button clicked in the search criteria.
2. The report will provide the count of No of field working days, Worked as per TP and % TP Compliance in list for selected month and year for that user.
3. In the selected User's team.

Example:

If the User selected is a BE, than all the details of that user of that particular month and year will be displayed in the excel file.

If the User selected is an BM, who has 3 or more BE users, than all the details of BM user along with BE users details of that particular month and year will be displayed in the excel file.

If the User selected is an RM or higher, then BM who reports to that RM and their BE users who reports to that BM user than all the details of RM, BM, BE user of that particular month and year will be displayed in the excel file.

If the selected user has no records for the selected month and year than no records will be displayed in excel file, only headers will be displayed.

The report will be allowed to be generated till NSM level.

4. Below are the field columns which will be provided in the report output;
- a. **Division:** Will display the division name to which the user belongs.
  - b. **Zone:** Will display the manager HQ name at the zonal level in the hierarchy of the BE User's territory.
  - c. **Region:** Will display the manager HQ name at the regional level in the hierarchy of the BE User's territory.
  - d. **Area:** Will display the manager HQ name at the area level in the hierarchy of the BE User's territory..
  - e. **HQ:** Will display the user's Headquarters name.
  - f. **User Name:** Will display the user's First name and Last name.
  - g. **Month:** Will display the selected month and year.
  - h. **Level:** Will display the Users Title like BM, BE, RM, ZM, ZSM.
  - i. **No of FW days:** Will display the total count of no of field working days of that particular month.
  - j. **Worked as per TP:** Will display the total count of Worked as per TP of that particular month.
  - k. **% TP Compliance:** This will be calculated on  $\text{Worked as per TP} / \text{No.of FW days} * 100$  and will display the result.
  - l. **Remarks (deviation):** By default this field will be empty.

# Overview of TP Compliance Review Report.

## TP Compliance Review Report

Search Criteria:

\*Indicates required field

*Division: Gastrova	Role: ZM	User Name: (ZM) (BENGALURU ZONE)
*Month: APRIL	*Year: 2022	

Create XL Back

Server response time: 0.079301 seconds.

## Report (Excel).

Division	Zone	Region	Area	HQ	User Name	Month	Level	No. of FW days	Worked
Gastrova	BENGALURU ZONE	Chennai State	COIMBATORE AREA HQ	ERODE		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	BENGALURU STATE	MYSURU DM	Shivamogga		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	BENGALURU STATE	MYSURU DM	DAVANGERE		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	BENGALURU STATE	CALICUT AREA HQ	KANNUR		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	BENGALURU STATE	CALICUT AREA HQ	TIRUR POOL		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	BENGALURU STATE	CALICUT AREA HQ	PALAKKAD		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	BENGALURU STATE	CALICUT AREA HQ	TRISSUR POOL		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	BENGALURU STATE	ERNAKULAM DM	ERNAKULAM POOL		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	BENGALURU STATE	ERNAKULAM DM	KOLLAM		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	BENGALURU STATE	ERNAKULAM DM	THIRUVALLA		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	BENGALURU STATE	ERNAKULAM DM	TRIVANDRUM POOL		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	Chennai State	CHENNAI DM	Chennai 2		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	Chennai State	CHENNAI DM	Chennai 3		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	Chennai State	CHENNAI DM	Cuddalore		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	Chennai State	CHENNAI DM	Puducherry		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	Chennai State	CHENNAI DM	CHENNAI 4		Apr-2022	BE	4	3
Gastrova	BENGALURU ZONE	BENGALURU STATE	CALICUT AREA HQ	CALICUT POOL		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	Chennai State	COIMBATORE AREA HQ	DHARMAPURI		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	Chennai State	COIMBATORE AREA HQ	COIMBATORE		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	Chennai State	COIMBATORE AREA HQ	SALEM		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	Chennai State	MADURAI AREA HQ	Madurai		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	Chennai State	MADURAI AREA HQ	TIRUNELVELI		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	Chennai State	MADURAI AREA HQ	NAGERCOIL		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	Chennai State	MADURAI AREA HQ	TRICHY		Apr-2022	BE	0	0
Gastrova	BENGALURU ZONE	Chennai State	MADURAI AREA HQ	TANJORE		Apr-2022	BE	0	0

## **Task 10: [Module: Reports]**

To create new DCR Consolidated Report

### **Overview**

The report will provide the DCR details of the selected User for the selected month-year. The details will include parameters such as entered date, type(Field/Attendance), Planned Work Place, worked Place, Accompanied With Users, Approval status with date & approver. The report will be available for all users (managers, admin users, MR users).

The report will provide search criteria and excel generation to display the user details.

### **Search Criteria**

1. The search form will contain the following parameters;
  - a) Division: This field will be a single select drop-down loading applicable divisions in the system. Division name needs to be selected from the provided options. This will be a mandatory field for admin level user. This field will be displayed only to admin level user.
  - b) Role: This will be a single select drop down field loading all the roles(lower levels) available for the division of Logged in User. For admin user the division drop-down needs to be pre-selected and the roles will be all the roles of the selected division. It is mandatory to select the role option to obtain the users and their territory accordingly in the next drop down field. This field will be displayed to admin and manager level user.
  - c) User Name: Will be a single select drop-down. After selecting a role, all the users and their territory according to the role selected will be displayed in this menu. The user name along with the territory name and the designation will be shown. Users/territories in the lower hierarchy team will be considered. It will be a mandatory field for all the users. If MR User is logged in then only his/her territory will be loaded by default and no other territory will be provided in the drop-down.
  - d) Month: This field will be a single select drop down field loading all months. It will be displayed to all users. It will be a mandatory field.
  - e) Year: This field will be a single select drop down field loading current and previous years. It will be displayed to all users. It will be a mandatory field.

2. Along with the search parameters additional 2 button will be provided :

- a) Create XL: A button to generate the report output in excel. This button will validate, and on successful validation it will generate a report output in an excel format (.xls extension) for the selected search parameters.
- b) Back: To navigate to the report listing. The button will redirect to the standard report list.

#### **Validations on Create XL:**

- V. All displayed fields will be mandatory for selection to generate the report.
- VI. For Admin Level Users division, role, user name, month and year fields will be mandatory
- VII. For manager users (BM, RM, ZM, NSM users) role, user name, month and year will be mandatory.
- VIII. For BE users role, user name, month and year will be mandatory.

#### **Report Output**

- 1. The report output will be provided in excel file depending on the button clicked in the search criteria.
- 2. The report output will provide only the selected users data.

Example:

If the User selected is a BE, than all the details of that user of that particular month and year will be displayed in the excel file.

If the User selected is a BM, than all the details of BM user only will be displayed in the excel file of selected month and year.

If the User selected is an RM or higher, than all the details of RM user only will be displayed in the excel file of selected month and year.

If the selected user has no records for the selected month and year than no records will be displayed in excel file, only headers will be displayed.

The report will be allowed to be generated till NSM level.

- 3. The report output will also display the DCR records which are in edit mode.

4. Below are the field columns which will be provided in the report output;
- a) **Division:** Will display the division name to which the user belongs.
  - b) **Zone:** Will display the manager HQ name at the zonal level in the hierarchy of the BE User's territory.
  - c) **Region:** Will display the manager HQ name at the regional level in the hierarchy of the BE User's territory.
  - d) **Area:** Will display the manager HQ name at the area level in the hierarchy of the BE User's territory.
  
  - e) **HQ:** Will display the HQ name of the territory of the BE User's territory.
  - f) **DCR Date:** Will display the DCR filed date of selected month and year.
  - g) **Entered Date:** Will display the DCR creation date. DCR creation date is the date on which the DCR was submitted.
  - h) **DCR Type:** Will display DCR Type as Field if type is DCRS and if type is Activity than it will display Attendance (Activity) e.g. Attendance ( Online Review Meeting ) .
  - i) If the user has filed DCRS for full day and Activity for half day on same date than both Field and Attendance (Activity) will be displayed in DCR Type e.g. Attendance ( Online Review Meeting ), Field.
  - j) **DCR Status:** This will display status as either Approved, Rejected, Pending, Saved.
    1. If the users has filled DCR and has saved it than status displayed will be Saved.
    2. If the users has submitted the DCR than status displayed will be Pending.
    3. If the manager has approved the DCR than status displayed will be Approved.
    4. If the manager has rejected the DCR than status displayed will be Rejected.
    5. If user has filed activity for half day than status will be blank as Approval will not be Applicable for half day.
  - k) **Call Planned:** Will display the patches from Monthly Tour Plan (MTP) which were selected for that particular month. This column will come blank if there is no patches from Monthly Tour Plan (MTP).
  - l) **Category:** Will display the names of the station type of the worked town. If the user has worked in two different towns than both the names of stations type will be displayed. E.g. EX-HQ | HQ
  - m) **Work place:** Will display the names of the town in which the users has worked. If the user has worked in two different towns than both the names of town will be displayed. E.g. AMOOR | AVADI

- n) **From To(Distance, Mode):**
- o) **Accompanist:** will display the name and visit time of the person the user has accompanied with.
  - 1. Visit time will be morning, evening or afternoon.
  - 2. If the type of DCR is activity than only name will be displayed and visit time will be blank.
  - 3. Accompanist column will be repeated five times and will display the details if there are more than one Accompanied with else this columns will be blank.
  - 4. If there are more than 5 accompanied with than 6<sup>th</sup> record won't be considered in report.
- p) **DCR Common Remarks:** if there are any remarks of DCR then it will be displayed in this DCR Common Remarks Column else it will be empty.
- q) **Approved By:** will display the name of the manager who has approved the DCR request. If the record is not approved than this column will be blank.
- r) **Approved Date:** will display the date of when the DCR was approved. If the record is not approved than this column will be blank.

# Overview of DCR Consolidated Report

## DCR Consolidated Report

- Search Criteria:

\*Indicates required field

* Division: Gastrova	* Role: BE	* User: [ ]
* Month: MAY	* Year: 2022	

Create XL Back

Server response time: 0.084241 seconds.

## Report (Excel).

1	A	B	C	D	E	F	G	H	
2	Division:	Gastrova	Month-Year:	May-2022					
3	Report For:	- BE - CHENNAI							
4									
5									
6									
7	Division	Zone	Region	Area	HQ	DCR Date	Entered Date	DCR Type	DC
8	Gastrova	BENGALURU ZONE	Chennai State	CHENNAI DM	CHENNAI	2022-05-02	06-05-2022	Field	
9	Gastrova	BENGALURU ZONE	Chennai State	CHENNAI DM	CHENNAI	2022-05-03	16-05-2022	Field	
10	Gastrova	BENGALURU ZONE	Chennai State	CHENNAI DM	CHENNAI	2022-05-04	17-05-2022	Field	
11	Gastrova	BENGALURU ZONE	Chennai State	CHENNAI DM	CHENNAI	2022-05-05	17-05-2022	Field	
12	Gastrova	BENGALURU ZONE	Chennai State	CHENNAI DM	CHENNAI	2022-05-06	25-05-2022	Attendance ( Online Review Meeting )	
13									
14									
15									
16									

## Other mini tasks

- To fix the failed test cases of stockist module  
In this task, fixed test cases such as
  1. Field role is not available for sales admin user.
  2. Prompting message to select role but role is not available.
  3. Cannot search as there is no role field.
  
- To implement the SFA changes.
  1. To send notification to MR users once the Date is Unfrozen.  
In this task if the manager has unfrozen the date of the Monthly Tour Plans of the MR users who had requested for unfreeze dates of their Tour Plan Than the MR user will get notification that the date is unfrozen.
  2. To make Residence pin code mandatory for doctor.
  3. To add validation for not allowing special characters to enter for doctor approval and chemist approval reason box.
  4. To display Stockist code header and fetched stockist code for listing in Stockist.
  5. To display UIN No in place of Doctor Code in Doctor form.
  
- To fix the failed test cases of doctor module  
In this task, fixed test cases such as
  1. Accepts Residence Pin code and Clinic Pin code field blank space and pin as 000000.
  2. Landline field accept landline as 000000000.
  3. To display chemist field as mandatory.
  4. Accepts numeric first name, middle name, last name.
  
- To fix the failed test cases of secondary sales  
In this task, fixed test cases such as
  1. Home icon is displayed but UI is not proper (displaying small home icon as compared to others modules).
  2. Alert message is not written properly.
  3. Accept special characters in remark textbox.
  4. Stockist dropdown is not aligned properly.
  5. Stockist lists is not loading according to territory selected.
  6. Add icon should not display when there is no stockist.
  
- To fix validation error in MTP while submitting.
- Fixed MTP issue of not displaying Planned Contact and area patch in detail view of MTP, if activity selected in MTP for day is Non field activity.

- To add 10 doctors and 4 chemist for all days of month for MTP for 3 MR users.
- To Add 7 doctors, chemist and stockist for MR user for stations HQ, EX-HQ, and OS.
- To add 6 doctors for MR user for stations EX-HQ (mumbai).
- To change font size of forgot password page and to make it responsive.
- To hide back button of forgot password page in app and to display in web.
- To change the font and size of Birthdays and Imails of home page.
- To add and check Doctors, chemist, assign patch to stockist and to file STP and MTP for test user.
- To fix issue of selected count of MTP record.
  - To clear the selected doctors' count from dropdown once the selected activity is changed from Field work to Non Field work.
- To display same MTP view in New and Edit Mode for dates on which records are added.
- To fix issue of Sr. no. after 99 are not viewed properly
- To allow users to enter closing unit as only number and not alphabets or decimals in secondary sales and to display alert if users enters alphabets or decimals.
- To Map Query Master Updation on Website.

# SOFTWARE/TOOLS & TECHNOLOGIES

## HTML 5

HTML5 is a markup language used for structuring and presenting content on the World Wide Web. It is the fifth and current version of the HTML standard. It was published in October 2014 by the World Wide Web Consortium (W3C) to improve the language with support for the latest multimedia, while keeping it easily readable by humans and consistently understood by computers and devices such as web browsers etc.

## CSS 3

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language. Along with HTML and Javascript, CSS is a cornerstone technology used by most websites to create visually engaging web pages, user interfaces for web applications, and user interfaces for many mobile applications. CSS is designed to enable the separation of presentation and content, including layout, colours and fonts.

## Bootstrap

Bootstrap is a free and open-source CSS framework directed at responsive, mobilefirst front-end web development. It is a framework to help you design websites faster and easier. It includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels, etc. It also gives you support for JavaScript plugins. Advantages of Bootstrap are Easy to use, Responsive features, Mobile-first approach and Browser Compatibility.

## Javascript

Javascript is a high-level, dynamic untyped and interpreted programming language. Along side HTML and CSS, it is one of the three core technologies of world wide web content production. The majority of the websites employ it and it is supported by all modern Web browsers without plugins. Javascript is prototype based with first class function, making it a multi-paradigm language, supporting object oriented, imperative and functional programming styles. It has an API for working with text, arrays, dates and regular expressions, but does not include any I/O, such as networking, storage or graphics facilities, replying for these upon the host environment in which it is embedded.

## **Ajax**

Ajax is a set of web development techniques using many web technologies on the client side to create asynchronous web applications. With Ajax, web applications can send and retrieve data from a server asynchronously (in the background) without interfering with the display and behaviour of the existing page. By decoupling the data interchange layer from the presentation layer, Ajax allows web pages and, by extension, web applications, to change content dynamically without the need to reload the entire page.

## **MySQL**

MySQL is the most popular Open Source Relational SQL Database Management System. MySQL is one of the best RDBMS being used for developing various webbased software applications. It is a very powerful program in its own right. It handles a large subset of the functionality of the most expensive and powerful database packages. MySQL uses a standard form of the well-known SQL data language.

## **Jquery**

Jquery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers. With a combination of versatility and extensibility, jQuery has changed the way that millions of people write JavaScript. The jQuery library contains the following features: · HTML/DOM manipulation · CSS manipulation · HTML event methods

## **Php**

PHP is a recursive acronym for "PHP: Hypertext Preprocessor". The PHP Hypertext Preprocessor (PHP) is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web based software applications. It is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites. It is integrated with a number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server. PHP is pleasingly zippy in its execution, especially when compiled as an Apache module on the Unix side. The MySQL server, once started, executes even very complex queries with huge result sets in record-setting time. It supports a large number of major protocols such as POP3, IMAP, and LDAP. PHP4 added support for Java and distributed object architectures (COM and CORBA), making n-tier development a possibility for the first time. performs system functions, i.e. from files on a system it can create, open, read, write, and close them. Using

PHP, you can restrict users to access some pages of your website. It can encrypt data.

## **FileZilla**

FileZilla is a free software, cross-platform FTP application, consisting of FileZilla Client and FileZilla Server. Client binaries are available for Windows, Linux, and mac OS, server binaries are available for Windows only. Both server and client support FTP and FTPS (FTP over SSL/TLS), while the client can in addition connect to SFTP servers. Some features of FileZilla are:

- Transfer files using FTP and encrypted FTP such as FTPS (server and client) and SFTP.
- Support IPv6 which is the latest version of internet protocol
- Supports resume which means the file transfer process can be paused and continued.
- Drag and drop to download and upload.
- Configurable transfer speed limits to limit the speed transferring the files, which helps reducing error of transferring.
- Filename filters, users can filter only specific files that have the conditions they want.

## **Navicat**

Navicat is a series of graphical database management and development software produced by Premium Soft Cyber Tech Ltd for MySQL, MariaDB, MongoDB, Oracle, SQLite and Microsoft SQL Server. It has an Explorer-like graphical user interface and supports multiple database connections for local and remote databases. Its design is made to meet the needs of a variety of audiences, from database administrators and programmers to various businesses/companies that serve clients and share information with partners.

Some features of Navicat are:-

- code snippet
- visual query-builder
- import and export and backup of data
- report builder
- data modelling
- task scheduling and wizards tool
- data and structure migration and synchronization

# INTERNSHIP TIMELINE

## January 2022

- Week 2:
  - To Learn bootstrap
  - SFA Training (Explanation on modules of website).
  - To install Navicat and FileZilla software's
  - To take approval for read, write access on server and read access of DB.
  - Create responsive Monthly Tour plan Listing Page.
- Week 3:
  - Create responsive Monthly Tour plan Listing Page.
  - To change the router link of Monthly Tour plan Listing Page to new link.
  - To change the text colour of header in ShowHistoryTP\_resp.html page.
  - To add search and plus icon to MTP listing page and to make it responsive.
  - To Create New Tour Plan Page on click on Add Icon from Listing Page for Manager User.
- Week 4:
  - To Create New Tour Plan Page on click on Add Icon from Listing Page for Manager User.
  - To Create New Tour Plan Page on click on Add Icon from Listing Page for MR user

## February 2022

- Week 1:
  - To Create New Monthly Tour Plan Page on click on Add Icon from Listing Page for Manager User.
  - To Create New Monthly Tour Plan Page on click on Add Icon from Listing Page for MR user.
  - To add validations for Monthly Tour Plan Page
  - Created new MTP and checked Edit, Approval and Rejection for MTP detail view.
  - Changed old links address to new links in MTP
  - Worked on delete function of Monthly Tour Plan Page of MR User.
  - To change name of Market Area to Patch / Area in MTP.

- Week 2:
  - Gone through the code of showHistoryTP page.
  - To Create New Monthly Tour Plan Page on click on Add Icon from Listing Page for Manager User.
  - To Create New Monthly Tour Plan Page on click on Add Icon from Listing Page for MR user.
  - Checked approval for MR user.
  - Worked on delete function of Monthly Tour Plan Page of Manager User.
  - To make changes in UI of MTP and to fix some other minor changes as told by ma'am.
  
- Week 3:
  - To checked if STP approval is needed for MTP.
  - To put by default toggle for MTP.
  - To put loader on click of Save, Final Save, Quick Save, final submit button
  - Worked on delete function of Monthly Tour Plan Page of Manager User.
  - To display Pop Up when manager clicks on submit button when trying to submit MTP and display all the names of corporate doctors in pop which he has missed to add while creating MTP.
  
- Week 4:
  - To display Pop Up when manager clicks on submit button when trying to submit MTP and display all the names of corporate doctors in pop which he has missed to add while creating MTP.
  - Changed the colour of label of planned customers in Detail View and MTP Creation for both Manager and MR User.

## March 2022

- Week 1:
  - To display Pop Up when manager clicks on submit button when trying to submit MTP and display all the names of corporate doctors in pop which he has missed to add while creating MTP.
  - To get notifications on mobile of Manager User once the MTP is being submitted by MR user.
  - To work on failed test cases of MTP.
  - To create Migration document for MTP.
  
- Week 2:
  - To work on failed test cases of MTP.
  - To check if IMP and Core are displaying for different division.
  - To get notifications on mobile of Manager User once the MTP is being Submitted by MR user.

- To get notifications on mobile of MR User once the MTP is being. Approved or rejected by higher Manager.
- To store data of unfreez button in database.
- Week 3:
  - To store data of unfreez button in database.
  - To work on SRS document of MTP.
  - To display Unfreeze button for all dates of month of MTP of MR user once the MTP is approved.
- Week 4:
  - To check if all functionality are working of MTP.
  - Removed SBU code and included Sr no for Corporate doctor popup in MTP of Manager.
  - To display Detail View dates record by default to manager.
  - To put Next label in place of file in in MTP of Manager.
  - Fixed error of delete function (not getting deleted the first record).
  - To create table for stp\_mtp\_deviation\_history in database.
  - To create index queries for columns in stp\_mtp\_deviation\_history
  - To store stp\_mtp deviation records in table.
  - Took FTP and DB approval for Website.
  - Checking MTP module in Website.
  - To implement STP MTP Deviation.
- Week 5:
  - To implement STP MTP Deviation.
  - Checking MTP module in Website.
  - Fixed the error of cancel button of final summary of MTP of MR user.
  - Checked why STP records are not displaying in MTP in Website.
  - To find users in database whose bricks and STP contacts are added.
  - Created migration document.
  - Checked MTP submission and approval for MR user in Website.

## April 2022

- Week 1:
  - To Check MTP submission and approval for Manager user on Website.
  - Fixed test cases of MTP.
- Week 2:
  - To implement STP MTP Deviation.
  - To check unfreeze MTP feature on Website.

- To fix the failed test cases of stockist module.
- Week 3:
  - To implement the SFA changes.
  - To fix the failed test cases of doctor module.
- Week 4:
  - To fix the failed test cases of doctor module.
  - Fixed MTP issue of not displaying Planned Contact and area patch in detail view of MTP, if activity selected in MTP for day is Non field activity.
  - Made changes in migration document.
  - To fix the failed test cases of secondary sales
  - To Add 7 doctors, chemist and stockist for MR user for stations HQ, EX-HQ, and OS.
  - To add 6 doctors for MR user for stations EX-HQ (mumbai).
  - To change font size of forgot password page and to make it responsive.
  - To hide back button of forgot password page in app and to display in web.
- Week 5:
  - To hide back button of forgot password page in app and to display in web.
  - To check MTP on live Website and to check notification on app.
  - To change the font and size of Birthdays and Imails of home page.
  - Updated changes in migration document.
  - Updated and replaced fixed test cases code of doctor module on Website given by other team.
  - To add campaign tagging and gone through SRS of campaigning tagging.
  - To fix issue of selected count of MTP record.
  - To display same MTP view in New and Edit Mode for dates on which records are added.

## May 2022

- Week 1
  - To add and check Doctors, chemist, assign patch to stockist and to file STP and MTP for test user.
  - To fix issue of Sr. no. after 99 are not viewed properly
  - To allow users to enter closing unit as only number are allowed and not alphabets or decimals in secondary sales and to display alert if users enters alphabets or decimals.
  - Fixed bug of MTP.
  - To map Doctor Details Report.
  - To map Chemist Details Report.

- To work on TP Compliance Review report.
- Week 2
  - To work on TP Compliance Review report.
  - To work on Doctor Details Report.
  - To work DCR Consolidated report.
- Week 3
  - To work on DCR Consolidated report.
  - To Create SRS document for DCR Consolidated report.
  - To fix bug of detail view of MTP in Website.
- Week 4
  - To work on DCR Consolidated report.
  - To Work on bug of UserYearlyPerformance Report.
  - To update the SRS document of DCR Consolidated report.
- Week 5
  - To work on DCR Consolidated report.
  - To Map Query Master Updation on Website.

June 2022

- Week 1
  - To Map Query Master Updation on Website.

## **OVERALL EXPERIENCE AT AIPL**

My Internship Period of Six months have been amazing which taught me a lot about Information Technology industry. Last five months in this Company has been truly an amazing and great experience to work in such a well maintained, disciplined and reputed workspace. This was my step into Corporate Life. It was a completely new environment where I first encountered the transaction between student life and industry life with new roles and responsibilities. Initially it was hard in adapting to a very new place but slowly I got settled very well. The work environment is so casual & friendly that it feels so comfortable. I made many new friends here who have helped me with many technology related doubts as well as industrial doubts. I was always curious about how the actual project development takes place which I got to experience here.

Also learnt that learning and keeping ourselves up-to-date with new technologies is as important as working on any technology. As my internship draws to a close and I reflect back on all I have learned, I realize what an excellent experience this has been.

I gathered much knowledge in the classroom, but a hands-on approach has been invaluable. It has served as a beneficial ending to my formal education.

In my opinion, the best way to learn is by doing. I am truly grateful for this opportunity. I know this will help when looking for jobs and needing references. We all know that practical experience is the best, and internships give students that hands-on experience they need. I feel that quality internships are essential to develop key skills that you can't get in a classroom.

Skills such as multitasking, task management, communicating, learning to deal with diversity, and dealing with deadlines are different when you are working for someone else. It is amazing to see how people from different regions stay as one family and work together.

The biggest skill that was enhanced during the internship was the ability to adapt and learn. This internship has given me insights into the software world and how things actually work in the industry. The internship has been very technical and has improved my technical knowledge tremendously. I got a chance to communicate with professionals who motivated me to achieve a better understanding and knowledge of the domain, technology as well as industry related environment.

To conclude, this internship has inspired me to pursue a career in the field of software development technology and to excel in it. It was a great learning experience and I consider myself honoured for being a part of Anant Infomedia Pvt. Ltd.

## **TERMINOLOGIES**

DCR: Daily Call Reporting.

MTP: Monthly Tour Plan.

NSM: National Sales Manager.

RM: Regional Manager.

ZM: Zonal Manager.

BM: Business Manager.

BE: Business Executive.

MR: Medical Representative.

ZSM: Zonal Sales Manager.

## **Modules Worked on**

TourPlans

Ajax

Contacts

SecondarySales

Users

Reports

Home

Query

## REFERENCES

<https://www.w3schools.com/>

<https://stackoverflow.com/>

<https://www.tutorialspoint.com/>

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