

INTERNSHIP REPORT ANIKET LOTLIKAR

REPORT OF INTERNSHIP DONE AT ANANT INFOMEDIA PVT. LTD

SUBMITTED BY

ANIKET LOTLIKAR

1925

UNDER THE GUIDANCE OF

Dhiraj Sawant

(Senior Project Manager, Anant Infomedia Pvt. Ltd)



GOA BUSINESS SCHOOL

Certificate of Evaluation

This is to certify that Mr. Aniket Nitin Lotlikar has been evaluated for the project work titled "Report of Internship done at Anant Infomedia Pvt Ltd." undertaken at Anant Infomedia Pvt Ltd., Panjim Goa, in partial fulfillment for the award of the degree in Master of Computer Applications.

Examiner 1	Examiner 2
Date: 10th June 2022	
Place: Goa University	Dean, Goa Business School
	Goa University

Acknowledgement

First, I would like to thank the Goa Business School, Goa University, for allowing me to carry out an internship and acquire real-world industrial experience. And, a special thanks to the 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 of working on such projects.

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DISCLAIMER

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IT DOES NOT IN ANY WAY REPRESENT THE ACTUAL DATA USED FOR THE PROJECTS. CLIENT NAMES, CLASS DIAGRAMS, ER- DIAGRAMS, AND WORKFLOW DETAILS ARE NOT GIVEN IN THE REPORT AS IT IS AGAINST THE COMPANY'S PRIVACY POLICY.

Introduction

This internship report describes the several tasks carried out during 6 months full-time Internship period by Mr. Aniket Nitin Lotlikar which commenced on the 10th January 2022 at Anant Infomedia Pvt Ltd by the curriculum of the VI semester Industrial Training of the MCA program, 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 Rd, Above HDFC Bank, Panaji, Goa 403001
Phone Number	0832-6638126 / 153
Email id	info@anant.co.in
Website	http://www.repforce.in/

Anant Infomedia private limited is a service-based company. The company was established in 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" by Abbott Nutrition.

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

RepForce as 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 the 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 fieldwork 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 another training programme, assign employees, manage exams 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, Hierarchy

Work at Anant Infomedia Pvt Ltd

Nursing Home Page

The purpose of this requirement is to provide an interface to the sales admin to update various master fields in the nursing home data.

A system will be built which will allow the admin to update the nursing home master data or Delete the nursing home which will indirectly delete the nursing home from the user's list as well.

Functionality Details

Search Criteria for Sales Admin in Nursing Home:

- Nursing Home Code: Code of the Nursing Home
- Nursing Home Name: Name of the Nursing Home
- City: City of tagged Nursing Home
- State: state of tagged Nursing Home

Below will be the fields shown to the admin in the listing.

- Sr No: This is just numbering the Nursing Home tagged to the territory.
- NH Code: This will display the nursing home code.
- NH Name: Name of the Nursing home.
- Edit / Delete:

Edit: Admin will be allowed to edit the Nursing Home data.

Delete: Admin will be shown a confirmation message when a delete request is raised and after confirming, that particular data will be deleted.

By clicking on the edit option in the Action column of the Nursing home listing, Admin will be allowed to Edit all fields.

Nursing Home Edit

• NH Name

- Name of the Nursing home
- only alpha-numeric names which can contain apostrophe(') and hyphen(-).
- This is a mandatory field.

No. of beds

- Number of beds in a Nursing home.
- o number up to 3 digits.
- This is a mandatory field.

Diagnostic lab

- whether the Nursing home has a Diagnostic Lab or not.
- o dropdown with Yes or No.
- This is a mandatory field.

Address in detail

- o the Complete Address of the Nursing Home.
- This is a mandatory field.

• Nursing home photo

- Photo of the Nursing Home.
- o either in JPEG, JPG, PNG format, and size less than 1 MB.
- This is a mandatory field.

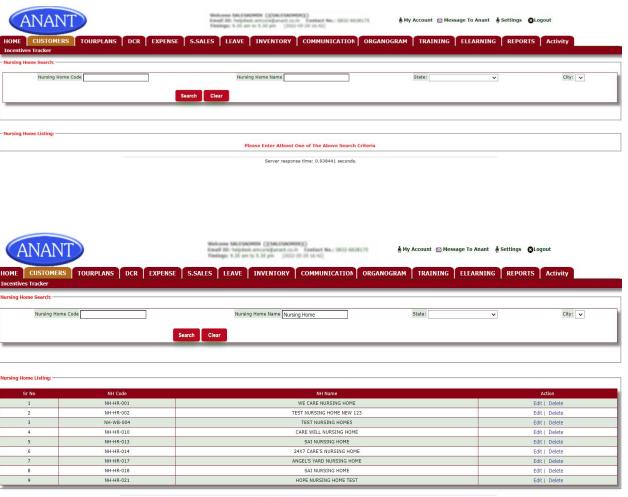
NH code

- Code of the nursing home.
- This is a non-editable field (label).

Nursing Home Delete

When Admin raises the deletion request, the system will ask for confirmation. After confirmation, the nursing home will be deleted from the master and also from user lists

Overview of Nursing Home Page



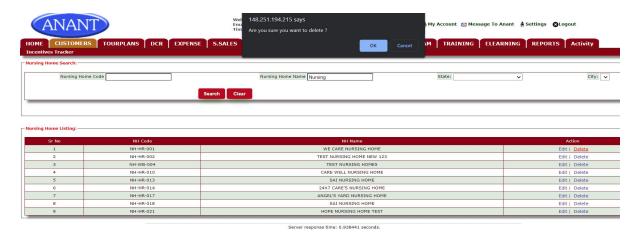
Server response time: 0.938441 seconds.

When User clicks on Edit

Nursing Home: WE CARE NURSING HOME



When User Clicks on Delete



MTP Edit Mode

The purpose of this requirement is to generate the MTP of an employee and this feature is available for Sales Admin

Functionality Details

The FrontEnd contains the following -

- 1. **EMPLOYEE CODE**: This will be free text and the user will be allowed to enter only numbers. No alphabet and special characters are allowed. This will be mandatory
- 2. **MONTH**: This will be a dropdown that will load all the month. This will be mandatory
- 3. **YEAR**: This will be a dropdown and will load all the years present in the system. This will be mandatory.
- 4. A Generate button will be provided, on click of which we will check the required validations and then generate the MTP in edit mode.

With this functionality, the Admin will be able to generate the MTP if.

- The employee code is present in the system
- For that the month and year MTP is not present

Overview of MTP Edit Mode



Standard Dashboard

Overview

The Overview of this task is to display the data in a graphical form which is fetched from doctors and DCR modules. This feature applies to all levels of users. the 3 levels Hierarchy for users are:

Level 1 Hierarchy:- In Level 1 the user with a lower role can see their graphical data without the search bar

Level 2 Hierarchy:- In Level 2 the user can see his graph and also he can see the graph of a level 1 user

Level 3 Hierarchy:- In Level 3 the user can see every member's graph and only the sales Admin can access it

Search Criteria of E-dashboard:

In Level 2 Hierarhy

Role:-Role of the user in the division (Single select & mandatory)

Users:-Role of the user in the division

Employee Code:- Employee code of a user

(Either select Users or Employee code to generate the dashboard)

In Level 3 Hierarhy

Cluster:- Names of the available cluster (Single select & mandatory)

Countries:- Names of the available divisions (Single select & mandatory)

Role:-Role of the user in the division (Single select & mandatory)

Users:-Role of the user in the division

Employee Code:- Employee code of a user

(Either select Users or Employee code to generate the dashboard)

In Standard Dashboard:

Month: It will display the selected Month

Year: It will display the selected Year

The Dashboard contains the following details:

- E-detailing Dashboard
 - o TGT vs ACH E-Detailing

Contains the following labels

- TGT Drs
- ACH Drs
- E Detailed Drs
- o Brandwise Specialitywise E-Detailing

Contains the following labels

- UIN specialty of Doctors which are fetched dynamic
- Dr. Call Dashboard
 - o No of Drs. Calls Daywise

Contains the following labels

- Calls [No of Dr. Call which is filed every day]
- o No of Drs. Visit Monthly

Contains the following labels

- TGT Drs
- ACH Drs

- o Drs. Call Average Monthly
 - Contains the following labels
 - TGT Call AVG
 - ACH Call AVG
- Classwise Dashboard
 - o Classwise Dr. Visit -Daywise

Contains the following labels

- Class Core
- Class Super Core
- o Classwise Dr. Visit for the month

Contains the following labels

- TGT Drs
- ACH Drs
- o Classwise Dr. Visit Breakup for the Month

Contains the following labels

- ACH Drs
- 3 visit
- 2 visit
- 1 visit
- Fieldwork Summary

Contains the following labels

- Days in a Month
- Holiday and Week off
- Working day available
- Day work Field

- Day Work Meeting
- No of Leaves
- Joint Field Working Days

Overview of a Standard Dashboard

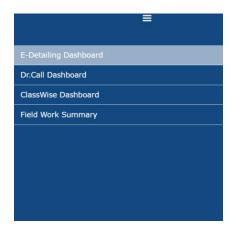
Search bar for Level 3 Hierarchy



Search bar for Level 2 Hierarchy

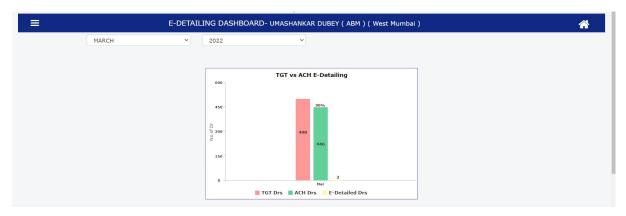


Menu sidebar

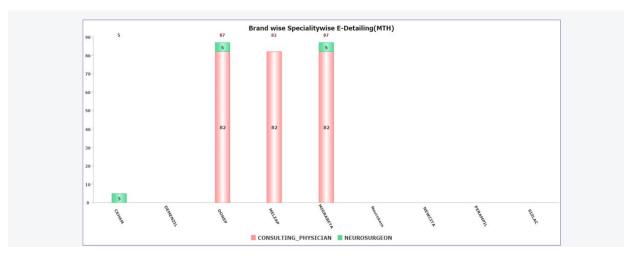


E-Detailing Dashboard

TGT vs ACH E-Detailing



Brandwise Specialitywise E-Detailing

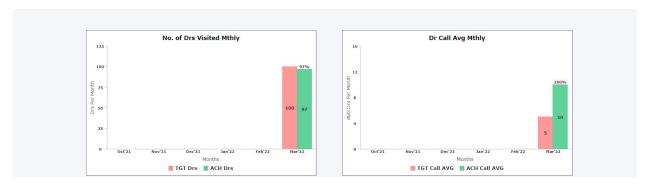


Dr. Call Dashboard

No of Drs. Calls Daywise



Drs. Call Average Monthly and Dr. Call Avg Monthly



Classwise Dashboard

Classwise Dr. Visit -Daywise



Classwise Dr. Visit for the month And Classwise Dr. Visit Breakup for the Month



FieldWork Summary



Sales Performance Dashboard

Overview

The overview of this project is that users can display the monthly sales performance and this feature is available to all users. This project was mainly focused on the frontend part and Only Users need to enter their username and password to log in to the site after login it will display the sales performance for every month.

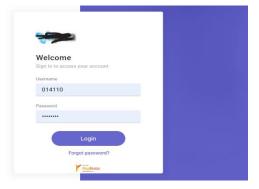
Tools and Technology used

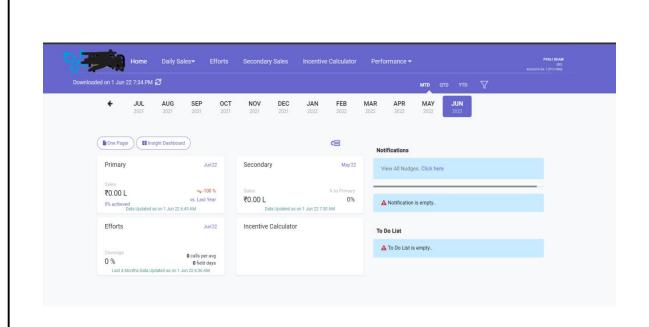
Angular, CSS, HTML

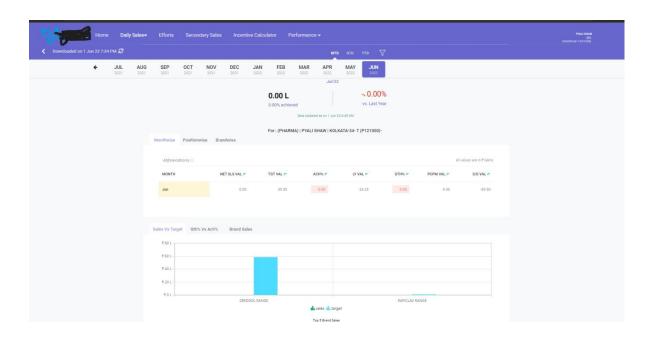
Contribution

- Remove the Console log errors
- Make the page responsive
- Fix bug in the application
- Resolving the issue of redirect to login page when user clicks on logout

Overview of SalesPerformance Dashboard







Other Mini Tasks

➤ Report Module Page

Fix bug in the application

Disable the 'create xl' button when the user is in mobile mode

Disable some reports when the user is in tab mode

➤ Data Extract Report

Fix bug in the application

Disable the report page which is not needed

- ➤ Disable the 'go back' button on forget password and change password page when the user is in mobile or tab
- ➤ Display the Birthday and Anniversary of users and Doctors in the Home page and store the data in csv file
- > Fix bug in the web application of DCR Modules
- ➤ Adding a validation in patient and care support listing page and raise advance request page
- > Fix the bug in raise advance request search bar
- > Fix the bug issue in setting doctor flow in CRM Modules

Software Tools & Technology

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.

CSS₃

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, mobile first 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 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. Alongside 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 web based 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. MySQL works on many operating systems and with many languages including Php,PERL, C, C++, JAVA etc.

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.

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 userinterface 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 clientsand share information with partners.

Angular

Angular is a platform and framework for building single-page client applications using HTML and TypeScript. Angular is written in TypeScript. It implements core and optional functionality as a set of TypeScript libraries that you import into your applications.

Git

Git is a popular version control system. It was created by Linus Torvalds in 2005, and has been maintained by Junio Hamano since then.It is used for

- Tracking code changes
- Tracking who made changes
- Coding collaboration
- Manage projects with Repositories
- Clone a project to work on a local copy
- Control and track changes with Staging and Committing
- Branch and Merge to allow for work on different parts and versions of a project
- Pull the latest version of the project to a local copy
- Push local updates to the main project

Project Timeline/Project diary

January 2022

Week 2

- SFA Training (Explaination of modules of website)
- Learning Angular
- Understanding the module and base of code

Week 3

- working on user logout and fix flashscreen of sales performance dashboard
- Removing console log error of sales performance dashboard

Week 4

- Working on the responsive part of Home page in sales performance dashboard
- Learning how offline data stored in indexed db

Feburary 2022

Week 1

- Working on the responsive part of Credit Note page
- Checked the merged code in git and resolved the error
- Learning Laravel

Week 2

- Installing Navicat and Filezilla software
- Take approval for read, write access on server and read access from database
- Creating a Nursing Home search and Listing page

Week 3

- Create Nursing Home delete functionality
- Working on the sql error in Nursing Home search box

- Adding a validation search box in Nursing Home Listing Page
- Cleaning the code

Week 4

- Understanding advance concept of php
- Finding out the reason why there is parameter issue in Sync Dcr

March 2022

Week 1

- Fixing a bug issue of setting doctor flow in CRM module
- Adding a validation search box in patient and care support page
- Adding a validation search box in raise advance request page
- Ressolving the error in patient and care support listing page

Week 2

• Working on mtp edit mode

Week 3

- disable 'go back' button if user has access on mobile or tab of Forgot password and changepassword page
- Fix bug in the web application of DCR Modules

Week 4

- Understand the standard dashboard feature of other client site
- Working on Standard Dashboard

April 2022

Week 1

- Disable 'create xl' button on report module when user is in mobile mode
- Fix bug in the web application of standard Dashboard

Week 2

• Import the database table

- Ressolve error in drs call dashboard
- Ressolving error in ABC visit dashboard
- Ressolving error in E -detailing dashboard
- Ressolving error in Fieldwork summary

Week 3

- Populate the data in database table
- Ressolve the summary script file error

Week 4

- Change need to done in UI of the dashboard
- Changed the query of summary script file

May 2022

Week 1

- Check Every user data is populated in standard dashboard
- Ressolving the issue in Report Module

Week 2

- Ressolving the issue in Report Module
- Disable some reports when the user is in tab mode
- Display the Birthday and Anniversary of users and Doctors in the Home page

Week 3-4 [26th May - June]

• Resolving the issue of Data Extract Report

OVERALL EXPERIENCE AT AIPL

My Internship Period of Six months have been amazing which taught me a lot about Information Technology industry. The last five months in this Company have 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 learned 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 the hands-on experience they need. I feel that quality internships are essential to 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 honored for being a part of Anant Infomedia Pvt. Ltd.

TERMINOLOGIES

DCR:- Daily Call Reporting

TGT:- Target

ACH:- Achievement

ABM:- Area Business Manager

SA: Sales Admin

Drs:- Doctors

MTP:- Monthly Tour Plan

NH:- Nursing Home

References

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https://www.tutorialspoint.com/

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