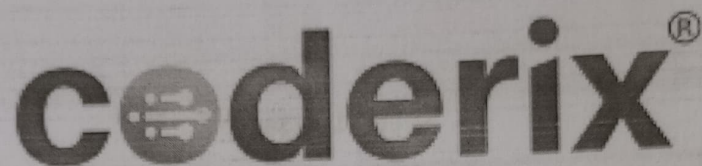


ParallelProcess®

INTERNSHIP REPORT

GEETANJALI GURUDAS SOPTE

Roll.No: 2055



INTERNSHIP REPORT

GEETANJALI GURUDAS SOPTE

ROLL.NO: 2055

INTERNSHIP

Completed by
Geetanjali Gurudas Sopte
2055

for the partial fulfillment of
MCA Degree for Semester VIV/V
Discipline of Computer Science and Technology,
Goa Business School,
Goa University

At
Parallel Process LLP
720, Gera Imperium Grand, Patto, Panaji, Goa – 403001

Under the guidance of
Max Menezes
(Team Lead, Parallel Process LLP)

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At
Coderix Solutions LLP
Shop No. TS-1, TS-2, TS-3, Shetye Plaza
opp. New Market Complex, Upper Bazar
Ponda, Goa - 403401.

Under the guidance of
Rohir Naik
(Team Lead, Coderix Solutions LLP)

Parallel Process LLP

720, Gera Imperium Grand,
Patto, Panaji, Goa - 403001
Website: <https://parallelprocess.in>
Email: info@parallelprocess.in
Phone: +91 9923225252

ParallelProcess

2nd June, 2023

TO WHOMSOEVER IT MAY CONCERN

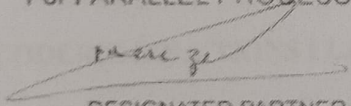
This is to certify that **Ms. Geetanjali Sopte**, student of Master of Computer Applications (MCA), Goa University, Goa has completed her Final Semester project (Semester VI/V) at our organization, Parallel Process LLP from 02nd January, 2023, to 1st May 2023.

During her tenure she has met the expectations of her team lead/mentor/guide and found to be regular and sincere.

This certificate is being issued on her request to be submitted with the project report at Goa University.

For Parallel Process LLP

For PARALLEL PROCESS LLP



DESIGNATED PARTNER

Max Menezes.
Designated Partner



Date: 03rd June 2023

Ref. No. CDRX/2023-24/05

TO WHOMSOEVER IT MAY CONCERN

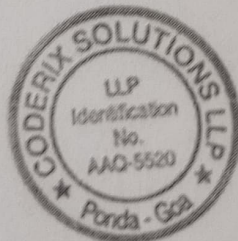
This is to certify that **Ms. Geetanjali Gurudas Sopte**, student of Master of Computer Applications (MCA) of Goa University, Goa, is currently undergoing her final semester project Internship (Semester VI) at our company, Coderix Solutions LLP, Ponda Goa from 08th May 2023 to 30th June 2023.

This certificate is being issued on her request to be submitted with the project report at Goa University.

Note : The final internship completion certificate will be provided on completing his/her internship.

For CODERIX SOLUTIONS LLP

Mr. Rohir Naik
Founder & CEO



Shetye Plaza, Upper Bazar,
Ponda - Goa



+91 9540-522-555
+91 0832-231-9292



www.coderix.io
care@coderix.io

GOA UNIVERSITY



GOA BUSINESS SCHOOL

CERTIFICATE OF EVALUATION

This is to certify that **Ms. Geetanjali Gurudas Sopte** has successfully completed her internship at **Parallel Process LLP**, Panjim Goa and **Coderix Solutions LLP**, Ponda Goa, in partial fulfillment of the award of the degree in Master of Computer Application.

A handwritten signature in blue ink, appearing to be 'Geetanjali', written over a horizontal line.

Examiner 1

A handwritten signature in blue ink, appearing to be 'S. N.', written over a horizontal line.

Examiner 2

Place: Goa University

A handwritten signature in blue ink, appearing to be 'S. N.', written over a horizontal line.

Date:

Dean, Goa Business School

Acknowledgement

First of all, I would like to thank the Goa Business School, Goa University, for giving me opportunity to carry out internship at Parallel Process LLP and Coderix Solutions LLP.

I would like to thank Max Menezes and Rohir Naik for allowing me to work at Parallel Process LLP and Coderix Solutions LLP as a intern. I would like to thank them for providing work environment and their keen interest in listening and guiding regularly during the tenure of internship. I also would like to thank the staff at the company for their cooperation.

I would like to thank Prof. Hanumant Redkar and teaching and non-teaching staff of the Goa Business School.

I am extremely grateful to my department staff members and friends who helped me directly or indirectly in successful completion of this internship.



INTERNSHIP REPORT

VESSEL PROFILER AND OPTIMILE

GEETANJALI GURUDAS SOPTE

Roll.No: 2055



INTERNSHIP REPORT

GEETANJALI GURUDAS SOPTE

ROLL.NO: 2055

VESSEL PROFILER AND OPTIMILE

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ParallelProcess

2nd June, 2023

TO WHOMSOEVER IT MAY CONCERN

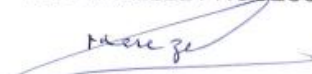
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For PARALLEL PROCESS LLP


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Max Menezes.
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Mr. Rohir Naik
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Geetanjali G. Sopte

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INTRODUCTION

This internship report describes my internship at Parallel Process LLP & Coderix Solutions LLP. I joined as an intern on the 2nd January 2023 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

PARALLEL PROCESS LLP

720

GERA IMPERIUM GRAND

PATTO, PANAJI

GOA - 403001

CONTACT NO: +91 9923225252

E-Mail: info@parallelprocess.in

About us:

Parallel Process is a Software Development and Consultancy Startup based in Goa, India. We Strive for excellence, constant skill upgradation, deliver projects within budget and timeline.

Company profile

CODERIX SOLUTIONS LLP

Shop No. TS-1, TS-2, TS-3, Shetye Plaza

Opp. Nw Market Complex, Upper Bazar

Ponda, Goa - 403401

CONTACT NO: [+91 0832-231-9292](tel:+9108322319292)

E-Mail: coderix.io@gmail.com

About us:

Coderix is a full-service Web Development & Digital Marketing company, that deals with providing innovative and user-friendly solutions which magnetize business for our clients.

Our team of designers & developers have been constantly upskilled with the latest market trends, designs, technologies, and marketing strategies to help your business lead a path of success within a limited timeframe. Providing clients with a complete high-end technical mix and helping them accomplish their objectives is our goal. We assist businesses of all sizes and across all industries. Get your ideas to us and we will help you to implement them with the support of our experts.

My contributions as Web Developer

- Handling UI development for Web Applications
- Designing Forms, Popups
- Check for page responsiveness
- Perform validations
- Generate Reports
- Change/fix Page layouts

Tools and Technologies Used

TOOLS:

- **Microsoft Visual Studio**
Visual studio is an integrated development environment from Microsoft. It is used to develop computer programs including websites, webpages, web services and mobile apps.
- **MongoDB Compass**
MongoDB Compass is a powerful GUI for querying, aggregating, and analyzing your MongoDB data in a visual environment. Compass is free to use and source available, and can be run on macOS, Windows, and Linux.
- **Jira Software**
JIRA is a software development tool used for **project management** and **issue tracking**. It is a popular tool among software development teams to plan, track, and release software projects. JIRA provides a centralized platform for managing tasks, bugs, and other types of issues and it helps teams to organize and prioritize their work. The tool integrates with other software development tools and has a variety of customizable features and workflows that allow teams to adapt it to their specific needs. Additionally, JIRA also provides various reporting and dashboard features that help teams to stay on top of their work and make data-driven decisions.
- **Gitlab**
GitLab is a web-based platform that help users collaborate on software development projects.

TECHNOLOGIES:

- HTML

HTML (HyperText Markup Language) is the most basic building block of the Web. It defines the meaning and structure of web content.

HTML is a language made up of elements, which can be applied to pieces of text to give them different meaning in a document (Is it a paragraph? Is it a bulleted list? Is it part of a table?), structure a document into logical sections (Does it have a header? Three columns of content? A navigation menu?), and embed content such as images and videos into a page.

- CSS

Cascading Style Sheets, fondly referred to as **CSS**, is a simply designed language intended to simplify the process of making web pages presentable. CSS allows you to apply styles to web pages. More importantly, CSS enables you to do this independently of the HTML that makes up each web page. It describes how a webpage should look: it prescribes colors, fonts, spacing, and much more. In short, you can make your website look however you want. CSS lets developers and designers define how it behaves, including how elements are positioned in the browser.

- Javascript

JavaScript is a cross-platform, object-oriented scripting language used to make webpages interactive (e.g., having complex animations, clickable buttons, popup menus, etc.). JavaScript contains a standard library of objects, such as Array, Date, and Math, and a core set of language elements such as operators, control structures, and statements.

- DevExpress

DevExpress is a 3rd party library of components that can be used in a number of different applications primarily in the .NET environment. This can range from Winforms and WPF to MVC and Blazor. Its hard to break it down any further than this simply because they offer products that are tailored for specific environments and even different functions.

- MongoDB

MongoDB can handle dynamic data models and schema that can easily store unstructured data sets; and in the case of variable data loads, MongoDB can scale horizontally, which is extremely cost-efficient when compared to traditional SQL databases, which can usually only scale vertically.

- MD Bootstrap

Bootstrap is the most popular **CSS Framework** for developing responsive and mobile-first websites.

Bootstrap 5 is the newest version of Bootstrap

Material Design is a design language, originated from Google, which is intensively used in interface projects for the Android system. You may ask why it is used. The answer is simple — it is already a mature and organized tool which corresponds to the usability and legibility. Moreover, it is developing and changing dynamically. The result is a tool that may be a perfect match for screens, as well as the starting point for inexperienced people in UI/UX designing.

The basis of MD is already well-established by website and UI/UX designers who have worked on it for a long time. What distinguishes it from other tools, is the fact you may use it in every kind of project you are currently working on because it is easy to find recommended practices in each project set.

What else is important in Material Design attributes?

- - Distinctive and well-chosen colors
- - Simple and easy-to-use icons
- - Graphics and images that are an additional benchmark for the content

- PHP

PHP (recursive acronym for PHP: Hypertext Preprocessor) is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML.

- Laravel

Laravel is a **PHP framework** that uses the **MVC architecture**. A framework is a collection of methods, classes or files that the programmer uses and they can also extend its functionality by using their code.

Parallel Process LLP

Screenshots

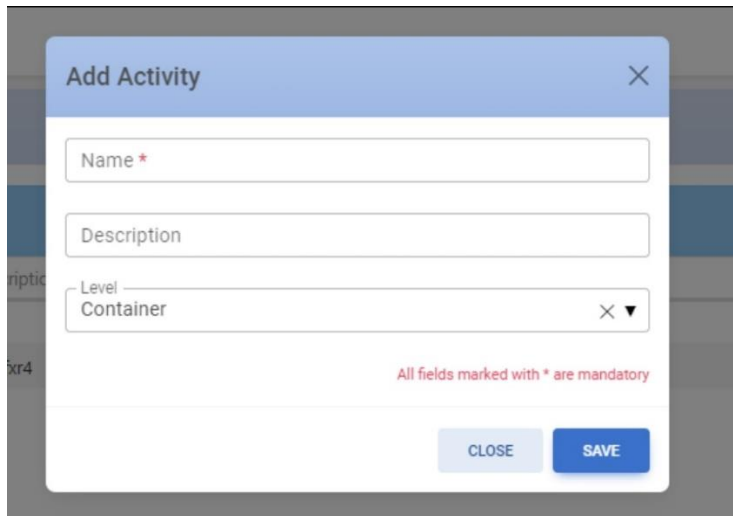
Popup Design with Validations

The 'Add User' popup form is designed with a clean, modern interface. It features a sidebar on the left with a list of users: 'Last Name', 'User', 'Naik', 'Mehra', 'Naik', and 'Naik kdtshf'. The main form area is titled 'Add User' and includes a close button (X) in the top right corner. The form is divided into two main sections: 'USER INFO' and 'Notification'. The 'USER INFO' section contains a large profile picture placeholder with a cloud and an upward arrow, a 'Click to upload profile' link, and a dropdown menu for 'Organization' (currently set to 'SecondaryMkt'). To the right of the profile picture are input fields for 'User Name' (pre-filled with 'Admin'), 'First Name', 'Last Name', 'Email', 'Phone', and 'Office Number'. Below these is a dropdown for 'User Type' (currently set to 'Normal'). The 'Notification' section includes checkboxes for 'Email', 'SMS', 'User needs to change password on next login', 'Needs Activation (Activation link will be sent through Email)' (which is selected), and 'Set Password'. A 'Comment' text area is located at the bottom of the form. The form concludes with 'CLOSE' and 'SAVE' buttons.

Form Design

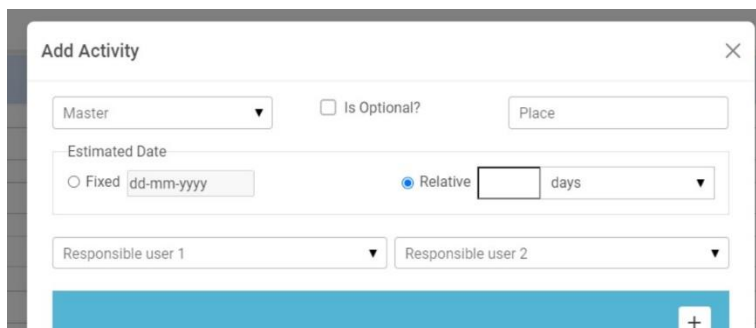
The 'Add Tariff' form is a structured input form with a blue header bar containing the title 'Add Tariff' and a close button (X). The form is organized into several rows of input fields. The first row contains 'Tariff Number *' and 'Customer' (pre-filled with 'Bajaj Auto'). The second row contains 'Service' and 'Service Provider'. The third row contains 'Commodity' and 'Description *'. The fourth row contains 'Valid From' (pre-filled with '2023-04-18') and 'Valid To' (pre-filled with '2023-04-18'). A blue 'ADD TARIFF ITEM' button is positioned to the right of the 'Valid To' field. Below the input fields is a search bar with a magnifying glass icon and the text 'Search'. Below the search bar is a message 'No data to display'. The form ends with 'CLOSE' and 'SAVE' buttons.

Adding Validations



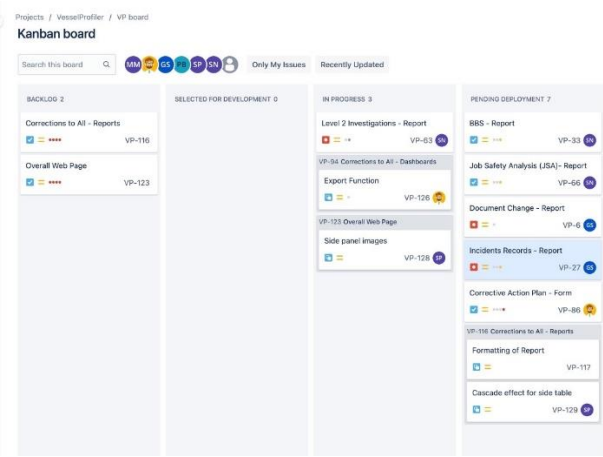
The image shows a modal window titled "Add Activity" with a close button (X) in the top right corner. The form contains three input fields: "Name *" (with a red asterisk indicating it is mandatory), "Description", and "Level Container" (a dropdown menu with an "X" and a downward arrow). Below the fields, a red message states: "All fields marked with * are mandatory". At the bottom right, there are two buttons: "CLOSE" and "SAVE".

UI fixes Related to date, responsiveness, alignment.

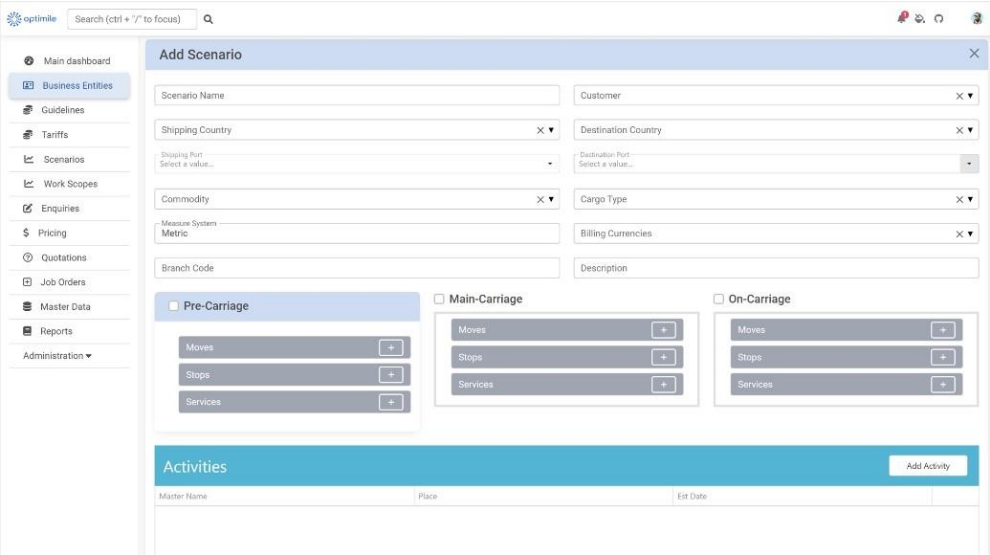


The image shows a modal window titled "Add Activity" with a close button (X) in the top right corner. The form contains several fields: a "Master" dropdown menu, a checkbox labeled "Is Optional?", a "Place" text input, an "Estimated Date" section with radio buttons for "Fixed" (with a "dd-mm-yyyy" placeholder) and "Relative" (with a numeric input and a "days" dropdown), and two dropdown menus for "Responsible user 1" and "Responsible user 2". At the bottom, there is a blue bar with a white plus sign (+).

Assigning Tasks Using Jira



Module Design



Parallel Process LLP

Services

Software Architecture

Understand the problem, evaluate possible solutions, prototype and develop proof of concept

Software Development

Develop, test and deliver software as per specifications

Software Consultancy

Software solution and technical advise, with highly skilled, experienced engineers

Collaborative Partnership

Your domain expertise and our IT capabilities, will forge a successful partnership

Approach

Our well-defined processes and people adapts to fast changing business environment

Domain Driven Design

Code that models your real life entities and processes, making it easy to adapt as business environment changes

Responsive Interface

Ensures that the user interface renders and behaves correctly on all screen sizes like phones, pads, laptops and large screens

Attention to Detail

End to end design, functionality and user experience is evaluated, handled and tested, to the last detail to avoid failures

Clean Code

Standardized code writing, naming and formatting conventions are enforced to ensure that code is easily readable, understandable and maintainable

Code Review

Team lead and peers review all written code, ensures that errors and bad code is weeded out at development stages itself

Reusable Code

We have built frameworks and modules, which can be reused in any project, ensures that the development is completed faster

Zero Defect

We take great pride in our work and we always endeavour to deliver code that is well tested and free of defects

Automated Tasks

We use tools that automate testing and code deployment, ensures that human error is avoided at critical stages

Coderix Solutions LLP

Products

RIXCAST - LIVE STREAMING PLATFORM

rixCast is a online live streaming platform and serves its services across the globe. rixCast offer end to end video streaming services to clients, whether you need to broadcast your Live TV, Events, AGM, conference, training session, Religious festivities, or any private video and reach out to the maximum viewers and participants. It also provide interactive solutions on CDN, including simulcasting on Facebook, Twitch, Periscope and YouTube, etc at one click without multiple streams.

ONETEXT - SMS GATEWAY

OneText helps you to send SMS updates, announcements, reminders, wishes or promotions about your new products/services, festivals or any other related topic to your customers, attendees, volunteers, employees and more with ease and convenience.

RIXQR - FOOD MENU ON CLOUD

Innovative Solutions To Create Self Design QR Digital Menu. You can create your own menu with self design QR Code. Also multiple QR template makes it better. QUICK QR SCAN
Contactless Digital Menu
Thousands of restaurants use rixQR
to turn their ideas into reality.

Services

Developement

Full Stack Development

API Development and Integration

Software Development

Payment Gateway

Web Design

Customized website

Website Designing & Development

Ecommerce Website Development

Business Website

Creative Visuals

Social Media Creative

Motion Graphic

Creative Videos & Production

Photoshoots & Productions

Digital Marketing

Social Media Marketing

Search Engine Marketing

Email Marketing

Whatsapp Marketing

Content Writing

CONCLUSION

Internship in a best way can be said as a class held off the college campus for better and enhanced understanding of the practices being followed in the industry. The main aim of this program was to improve the technical knowledge, communication skills, leadership skills, team skills, etc.

It is seen that theoretical knowledge gained in classrooms is sufficient only to understand the basic concepts of Programming. Hence, upgrading the theoretical knowledge is a must for better understanding of the practical problems and to provide innovative solutions

Parallel Process LLP

Internship Timeline: 4 Months

Start Date: 2nd January 2023

End Date: 1st May 2023

Weekly Overview

January 2023

Week 1

- Orientation related to the company.
- Understood about various technologies used by the company.

Week 2

- Done Project setup for Vessel Profiler.
- Noted down issues for modules in Vessel Profiler.
- Understood the methods used in razor pages and about views.

Week 3

- Fixed UI issues related to Form data in Vessel Profiler.

Week 4

- Reviewed on Look for Output Reports in vessel Profiler.
- Check for Responsiveness across all pages in Vessel Profiler.

Week 5

- Worked on Generating Reports for each Module in Vessel Profiler.

February 2023

Week 1

- Made UI changes and fixed report design according to the changes asked.
- Fixed bugs that were found across pages in Vessel Profiler.

Week 2

- Made UI changes across all pages In Vessel Profiler eg. adding borders, colors, perform validations.
- Fixed bugs across pages in Vessel Profiler.

Week 3

- Worked on Reports corrections.
- Changed icons for each module in Vessel Profiler.
- Worked on Layout across all pages in Vessel Profiler.

Week 4

- Read documentation and Understood about DevExpress.
- Read documentation and Understood about MDBootstrap.

March 2023

Week 1

- Started with New Project(Optimile) Module Designing.
- Done project setup for Optimile.

Week 2

- Designed Forms and Popups in Optimile.
- Fixed Issues in Optimile - Grid Responsiveness, Popup Design, Dropdown Issues.

Week 3

- Fixed UI Issues related to login page, double borders across all pages and activities page.
- Added Popups for move, stop, services in Scenarios module in Optimile.

Week 4

- Made changes to Scenario module popups.
- Worked on designing Scenario AddEdit page.

April 2023

Week 1

- Checked for overall design of pages done and Made changes accordingly.

Week 2

- Fixed overall UI issues that were identified across all pages in Optimile.

Week 3

- Checked for consistency across all pages in Optimile.
- Checked for overall functionality across all pages in Optimile.

Week 4

- Added Icons to all modules in Optimile.
- Checked for validations and design across all pages.

Coderix Solutions LLP

Internship Timeline: 2 Months

Start Date: 8th May 2023

End Date: 30th June 2023

Weekly Overview

May 2023

Week 1

- Orientation related to the company.
- Understood about various technologies used by the company.

Week 2

- Worked on creating web pages for each module.
- Layout changes to the pages created.
- Applied required validations.

Week 3 & Week 4

- Learned about Laravel Framework.

Experiences

- My Internship at Parallel Process LLP & Coderix Solutions LLP has been an interesting and wonderful experience which helped me to turn my theoretical learning in practical use.
- Got an opportunity to work under one of the best team.
- Working in a distributed team environment helped me understand team work better.
- Working in a disciplined, organizational team environment helped me in developing a higher level of self-confidence.