**Structure for Traineeship Program –FINACLE CUSTOMIZATION**

The Traineeship program will be structured as follows:

Week 1:

1. Orientation and Overview of the internship program
   1. Concepts of Data and Database Management System:

* Understanding the basics of data: types, structures, and formats.
* Overview of a Database Management System (DBMS) and its role.
* Relational databases and non-relational databases.
* Key database concepts: tables, rows, columns, keys, joins, data types
* Normalization and denormalization.
  1. Familiarization with Oracle, SQL in relation to Finacle Core Banking Software:
* Introduction to Oracle Database and SQL language.
* SQL queries
* Understanding the role of databases in Finacle Core Banking Software.
* Database interactions specific to Finacle.
* Data modelling for Finacle and database design.

Week 2

1. Linux Familiarization
   * Familiarization with Linux OS, command lines, packages & binary installation
2. Virtualization & creation of Virtual Machine
3. Understanding GitHub as a collaborative platform.
4. GIT
   * Basics of Git commands: commit, push, pull, branch, merge.
   * Basics Concept of Shell Scripting and version control(GitHub):
     + Introduction to shell scripting (e.g., Bash) for automation.
     + Writing basic shell scripts for tasks like file manipulation and process automation.
     + Overview of version control and the role of Git.

Week 3

1. Data Extraction, Transformation, and Load (ETL) with Pentaho or Python:

* Overview of ETL processes and their importance.
* Introduction to Pentaho Data Integration (Kettle) or Python for ETL.
* Extracting data from various sources (databases, files).
* Transforming data to meet business requirements.

Week 4

1. Accounting Concept
2. Finacle CRM concept /Handsout
3. Finacle CASA concept /Handsout
4. Finacle LAA concept /Handsout

Week 5 to Week 12 (2Months)

1. ONS Customization – FINACLE KT
   * Scripting Syntax & User hooks
   * Scripting Syntax
   * Scripting Validations
   * Scripting Functions
   * Calling User hooks
   * Calling product services
   * SRV Level Customization
   * Discussion on Finacle SRV DOC and Debugging of SRV
   * Field and Tab Mandatory
   * Auto-Population of Fields
   * Database update
   * JavaScript Level Customization
   * Discussion on JSP pages and debugging of JSP errors
   * Field – Mandatory
   * Enabling & Disabling of Fields
   * Literal Changes
   * Calling Finacle script
   * Field Validations
   * Auto-population of Field Values
   * New Field addition to the existing product menu
   * Custom Searcher addition to existing Fields
   * Custom Menu Creation
   * Knowledge of Custom menu flow
   * 2-page Menu Creation
   * 3-page menu creation
   * Data Capturing Menus
   * Custom Batch Job Creation
   * Knowledge of batch job flow and debugging
   * Batch Job Creation, Attaching to Job id and monitoring

Week 13

1. Project Assignment
2. Traineeship evaluation and feedback.

Mentors

The Traineeship program will provide Trainees with access to mentors who can help them learn and grow.

Mentors

* + Saroj Sapkota
  + Sagar Aryal
  + Jay B. Neupane
  + Bikesh Khadgi

Benefits

This Internship program will provide Trainees with the following benefits:

* + The opportunity to learn Finacle CBS Core Functional Knowledge.
  + The opportunity to learn Customization in Finacle CBS.
  + The opportunity to learn L2 analysis for troubleshooting.
  + The opportunity to receive feedback and support from mentors directly.
  + The opportunity to gain experience that will help them in their future careers.
  + The opportunity to be onboard as full-time staff.