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| **Name :- Bharat Rama Naik – 4NM21IS034 - March** | | |
| **S.No** | **Date** | **Days** | **Training On** | **Task Description** |
| 1 | 03-Mar-25 | Monday | Flask framework (Python) | Handling post requests in flask, managing session and cookies in flask. |
| 2 | 04-Mar-25 | Tuesday | Flask framework (Python) | Handling response messages and its headers and fields in flask, User authentication and user session management, Password hashing using Bcrypt. |
| 3 | 05-Mar-25 | Wednesday | Ripley Api Docs and Docker | Gone through Ripley API documentation, Understood the basic concepts of Apache Nifi. |
| 4 | 06-Mar-25 | Thursday | Ripley Api Docs and Project Setup | Gone through Ripley API documentation, Setup of the project structure |
| 5 | 07-Mar-25 | Friday | Started working on Ripley Project | Developed a demo API endpoint which fetches product orders from the Ripley API and publishes to kafka |
| 6 | 10-Mar-25 | Monday | Ripley Project setup and Exception handling | Refactored the code of Ripley API connector to minimize the duplication of code in project. Added object mapper bean to convert snake case to camel case and vise versa |
| 7 | 11-Mar-25 | Tuesday | Ripley Project, Swagger and Okhttp client | Added global exception handler, Validated the input start date and end date for correct format, Configured Okhttp client for connection timeout |
| 8 | 12-Mar-25 | Wednesday | Apache Nifi and Kafka | Concepts of kafka and implementation in spring boot project. |
| 9 | 13-Mar-25 | Thursday | Apache Kafka and Ripley Project (new project) | Concepts of Nifi and integration of nifi with kafka |
| 10 | 14-Mar-25 | Friday | Ripley Maketplace docs and Apache Nifi | Created a Nifi template which accepts the product as JSON and converts it to CSV which is accepted by Ripley product creation API endpoint. |
| 11 | 17-Mar-25 | Monday | Apache Nifi and Groovy transformation script | Modified the groovy code for transforming JSON to CSV in Nifi template for product creation in Ripley marketplace. |
| 12 | 18-Mar-25 | Tuesday | Apache Nifi and Groovy transformation script | Tested the transformation of product data in JSON to CSV in nifi. |
| 13 | 19-Mar-25 | Wednesday | Error handling and JSON validation in nifi | Error handling and JSON validation in nifi |
| 14 | 20-Mar-25 | Thursday | Apache Nifi and Multi-tenant Handling | Added multiple tenants support while fetching API token in Nifi flow |
| 15 | 21-Mar-25 | Friday | Apache Nifi and product creation flow | Added JSON validation for input in the nifi flow for product creation in Ripley. |
| 16 | 24-Mar-25 | Monday | Apache Nifi and inventory update flow | Created nifi flow for inventory update in Ripley, modified the script to fetch the access token of multiple tenants |
| 17 | 25-Mar-25 | Tuesday | Apache Nifi and product Creation flow | Modifying the JSON validation in Ripley product creation |
| 18 | 26-Mar-25 | Wednesday | Apache Nifi and product Creation flow | Troubleshooting the product creation nifi flow |
| 19 | 27-Mar-25 | Thursday | Apache Nifi and Product creation flow | Modified the validation script for the JSON in ripley product creation nifi flow |
| 20 | 28-Mar-25 | Friday | Apache Nifi and modified multitenant script in flow | Added modified multitenant script for fetching access token |
| 21 | 31-Mar-25 | Monday | Optional leave | Optional leave |