Case Studies of Projects Using
POWER BI
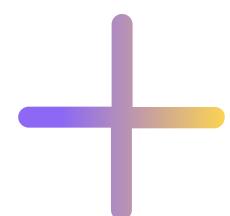
PROJECT NAME : Power BI Development - View Status (Daily Report)

DURATION: NOV TO FEB 2023

DATABASE: MSQL

TOOL: POWER BI

Project Requirement:

To manage and gather employee data and their reports according to their performance on day to day basis.

Challenge :

Data was scattered and wasn't well managed In the database .

Solution Offered:

- Azure API Data Source connect throw PowerBI, using KQL in Azure API convert to M-Query in Power BI Transform data.
- Daily Refresh Data
- User Function - Based on manager login he/she wants to know their employee's view/clicks per data.

Project Name :
TMA Dashboard

CLIENT: CONFIDENTIAL

DATABASE: EXCEL, MSSQL, POWER BI

TOOLS: POWER BI
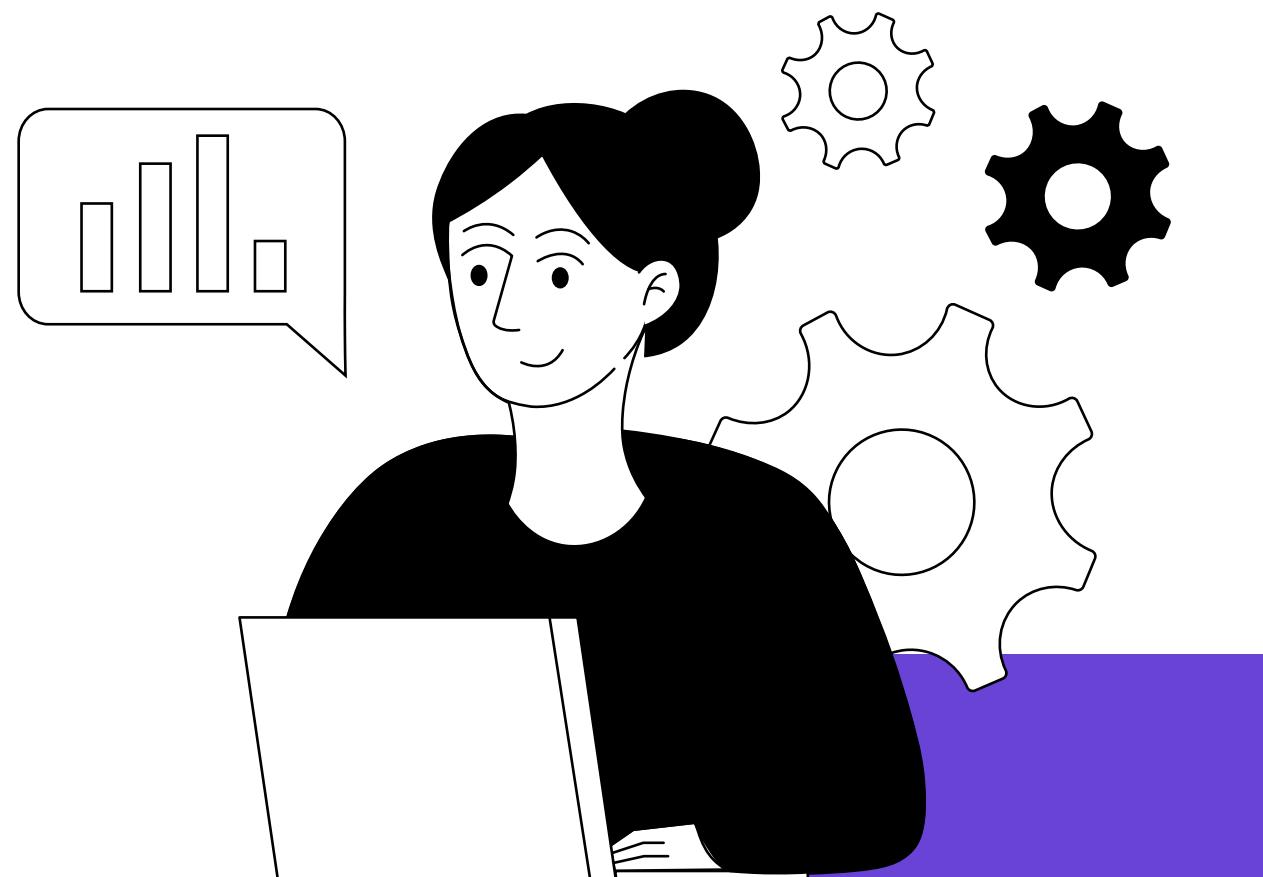
Project Requirement:

To Build and automate Power BI reports for the Payroll department and accounts.

Challenges :

Data was in raw format and it was scattered in different location.
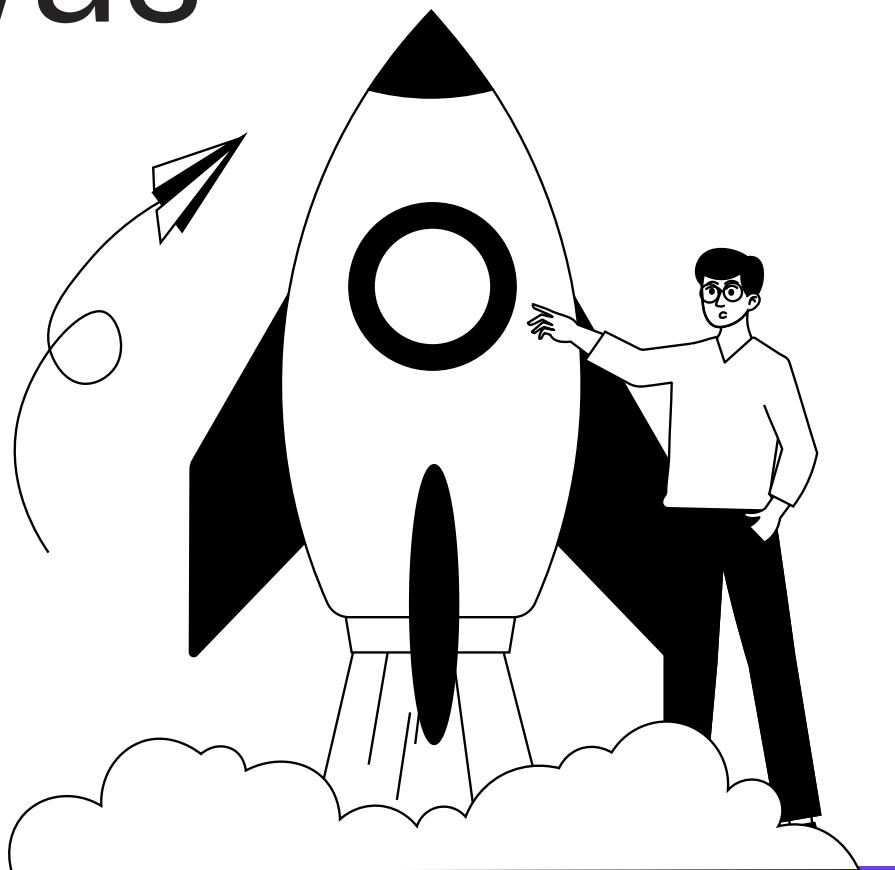
Solution offered

Build and automated through which the company was able to reduce 20 man-hours of data cleansing and creating reports in Excel every month.

- Staff Payroll Cost Report
- Labour Payroll Cost Report
- Created and automated Financial reports for Finance - VP, Account Manager
- Purchase Ledger (Supplier Invoice Details and Bucketing based on different criteria)
- Bank Reconciled report
- Subcontractor Ledger (Subcontractor Payments & Bucketing based on different criteria)
- Cost & Revenue Transactions report
- Created PBI reports for Commercial – Commercial Director
- Payment Application, Certification, and Payment Report
- Staff Cost Monitoring report, Cash Flow report, and Budget vs Forecast report
- Requirement Analysis and data modeling in Power BI.

PROJECT NAME: COMPARISON ANALYSIS

CLIENT: CXX

DATABASE: IOT STREAMING SENSOR DATA, AZURE SQL DW, SAP HANA

TOOLS: POWER BI, POWERAPPS, MICROSOFT FLOW
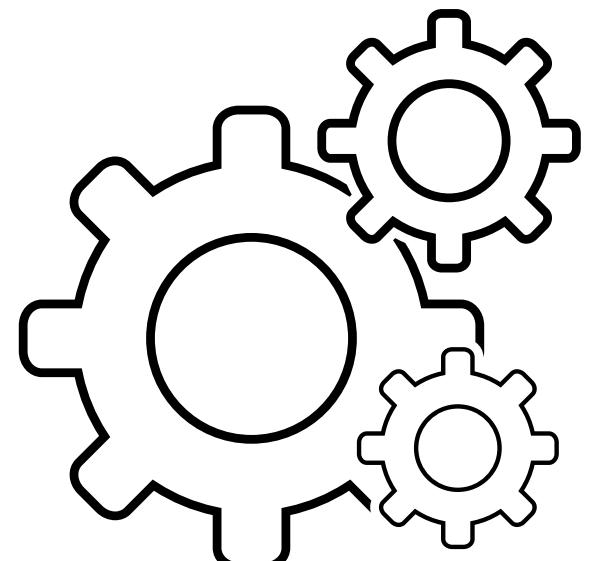
Project Requirement:

To gather and Analysis the real time dashboards and other reports by interacting with client.

Challenges:

To get the real time data while interacting with the client.

Solutions Offered:

- Proof of concepts on Real-time dashboards
- Used Azure Event Hubs, and Azure Stream Analytics Job
- To show the real-time streaming data in Power BI service.
- Requirement gathering for real-time
- Dashboards and other reports by interacting with clients
- Requirement Analysis and modeling of data in Power BI for real-time dashboards and other reports
- Worked on Azure Analysis service for Fact and dimension modeling.

Client Name: Standard Chartered Bank
(Scope International)

Database: SQL Server DB, Azure SQL DB

Tools : Power BI, PowerApps, Microsoft Excel

Project Requirement:

To manage and create reports of banking data for customer and bank.

Challenges:

Data was size was very huge and it was real time data display.

Solution offered

- Imported data from SQL Server DB, Azure SQL DB to Power BI to generate reports.
- Created Dax Queries to generated computed columns in Power BI.
- Generated computed tables in Power BI by using Dax.
- Involved in creating new stored procedures and optimizing existing queries and stored procedures.
- Created Azure Blob Storage for Import/Export data to/from .CSV File.
- Used Power BI, Power Pivot to develop data analysis prototype, and used Power View and Power Map to visualize reports
- Published Power BI Reports in the required originations and Made Power BI Dashboards available in Web clients and mobile apps
- VBA/MS Access Support:
- Automation for MS. Office Applications (Excel), Excel Data Manipulation
- VBA for Excel and Automation, Excel Add-ins
- Outlook Mail creating from VBA
- Utilized Excel's If, Set, For Each - functions to assist simplifying the model for better performing.

Client Name : AGS Health

Database: MS Access, SQL

Tools: VBA, MS Excel, Outlook Mail

Project Requirement:

To create Management Information System Report (MIS) of Customer Service Business Unit and health care dept.

Challenges:

Data was in different location and in different format such as barcode.

Solutions Offered:

- Responsible for preparing Management Information System Report (MIS) of Customer Service Business Unit and health care dept.
- Managing the Monthly, Weekly, and daily reports Creating in MS-Excel and MS-Access for in-depth analysis and producing actionable information.
- Create metrics to support CRMs and create complete transparency into Retail operations, Extensive usage of MS Excel (Aggregate function, Lookups, Pivot table, UDF Macros.
- It is developed and maintained MS Access database.
- Outlook Mail created from MS Access, VBA
- Using Query Wizard function & Forms, handling SQL queries for data manipulation.

Client Name: TCS (For Various client)

Database: MS Access, SQL

Tools: VBA, MS Excel

Project Requirement:

To Process the data in VBA, MS Access, Excel dashboard, MS Office applications and automation for Data import, report generation, etc.

Challenges:

To process the data which was in different application and

Solution offered

- Preparation of daily progress reports to keep track and check on internal targets of customer support service team associates.
- Generating timely and accurate reports for analysis, Creating MIS/ Dashboard reports, and presenting them to our Domain mgr.
- MIS reporting by using MS Excel & VBA (Macro) at Operational and Client level.
- Generate timely and accurate reports for analysis, Create MIS/ Dashboard report, and present it to our Domain MGR