

# Power BI – Summer Internship – 2022

## Final Report

### Instructions

1. **Last Date: - 2<sup>nd</sup> Aug 2022 – 12:00PM**
2. **No Extensions in Deadline**
3. Create Separate Report for this Final Project Work
4. Dataset & Resources Link - [https://celebaltech-my.sharepoint.com/:f:/p/harsh\\_sharma/Eom1UHRUEcBLn4qKRmwBssIBnjyIW5WZp2nh-a-QNjT9hQ?e=G69Aqv](https://celebaltech-my.sharepoint.com/:f:/p/harsh_sharma/Eom1UHRUEcBLn4qKRmwBssIBnjyIW5WZp2nh-a-QNjT9hQ?e=G69Aqv)
5. Form Submission Link - <https://forms.gle/k8GAyz233UEWNC2BA>

### Power BI Work

- Import Data
- Create data modelling or relationship between the tables manually, disable auto-detect relationship.
- Show at least one inactive relationship between the tables, if possible.
- Check about the column distribution, column quality, column profile.
- Create a summary of the data
- Pivot and Unpivot column (If You Think)
- Merge/ Append table (If needed)
- Create Discount parameter table (use what if parameter)
- Create Dynamic title for all visuals
- Create Heading and Logo for report
- Keep the UI/ UX in mind while making the report

### KPIs & DAX

- Gender-wise Online Sales
- Education-wise Sale Qty
- State-wise Price & Cost Difference
- Customer's Yearly Income Chart
- Customer Type
- Store Name-wise Sale
- Store Type-wise Sale & Discount Amount
- Store Status
- Store Employee
- Country-wise Sales with Store Details (over Next Page) with detailed page of Stores with its respective value
- Product Category sale detailed page with its customer and all type of data which will be fruitful to see.
- Timeseries Insight of the Sales with some forecasting features with Sales, Qty and other relevant fields if need.
- Marital Status wise Product Usage Analytics

- There should be drill through pages as per the data visualisation
- What are my top products selling in US, India, Russia, UK?
- Which country are having maximum employee (500+)
- Which countries are having maximum count of closed stores?
- Which Selling Area Size is the largest in respect to Country, State & City?
- Promotional Activities average runtime
- Which promotion has been run the longest & smallest tenure?
- Average Selling Price of product category, subcategory & class name
- Average Cost of product Colour, Manufacturer
- On which the maximum & minimum promotional activities have been done and what are the discounts that were given.
- What is the Sale Qty with time series & it's cost, price?
- Month over month comparison of revenue and sales
- Sales for different segments and the share of various services in that segment/category
- Revenue and Profit for all the segments
- Which segment is generating the least profit?
- Important KPIs like CAPEX, ROI. Revenue, Profit, Sales and discounts by specific country and date.