**Batch: C3 Roll No.: 16010120193**

**Experiment 07**

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| **Title: To create an effective Dashboard in Tableau.** |

# Objective:

# *Search/locate and download any Data of Your Choice (Use same dataset if it contains location information)*

# *To learn how to create Dashboard in Tableau*

# *Apply best practices to create Tableau Dashboard.*

# Course Outcome:

# CO1: Learn how to locate and download datasets, extract insights from that data and present their findings in a variety of different formats.

# CO3 Create compelling, interactive dashboards to combine several visualizations into a cohesive and functional whole.

# Books/ Journals/ Websites referred:

* Data Visualisation: A Handbook for Data Driven Design
* Fundamentals of Data Visualization
* Designing Data Visualizations: Representing Informational

# Resources used:

Kaggle Dataset

# Theory:

A dashboard is a collection of several views, letting you compare a variety of data simultaneously. For example, if you have a set of views that you review every day, you can create a dashboard that displays all the views at once, rather than navigate to separate worksheets. Like worksheets, you access dashboards from tabs at the bottom of a workbook. Data in sheets and dashboards is connected; when you modify a sheet, any dashboards containing it change, and vice versa. Both sheets and dashboards update with the latest available data from the data source.

# Following points should be written by students

# Best practices of effective Dashboard.

# Create Dashboard.

# Create Accessible Dashboard.

# Create Dashboard Layouts for Different Device Types.

# All Screenshots:

# Average votes for movies in the range 25 to 40 is shown. These movies are good, rated movies.

# Chart, bar chart Description automatically generated

# These are the reviews from critics. These depict some popular movies since they have a good number of reviews (700 – 999).

# Chart, treemap chart Description automatically generated

# These are the reviews from users. They give a general idea about the popularity and ratings about the movies.

# Chart, line chart Description automatically generated

# Default Dashboard: This was the default dashboard created by me using the above-mentioned sheets. I gave it a headline and rearranged the sheets to fit in the dashboard.

# Chart, treemap chart Description automatically generated

# Desktop mode: The screenshots are a preview on desktop mode.

# Chart Description automatically generated

# Phone mode: The screenshots below are the preview of what the dashboard would look like on the phone screen.

# Chart, treemap chart Description automatically generated

# Chart, treemap chart Description automatically generated

# Tablet mode: The screenshots are a preview for dashboard on tablet.

# Chart Description automatically generated

# Conclusion:

# Various types of charts and graphs were explored and implemented. Then the sheets were put together in dashboard. The concept of charts and dashboard were understood and implemented.

**Date: 25-11-2021 Signature of faculty in-charge**

# Post Lab Question:

# Explain the Advantages and Disadvantages of Dashboard

# Advantages:

# Visual, branded and built with “speed of thought” in mind

# Can combine Marketing Analytics, eCommerce Sales, and other otherwise disparate data into a single view

# Disadvantages:

# Can be costly to assure executive, management, and operational needs are met

# Impact leans heavily on maintaining consistency vs growth or improvement