**Project Development Phase**
**Model Performance Test**

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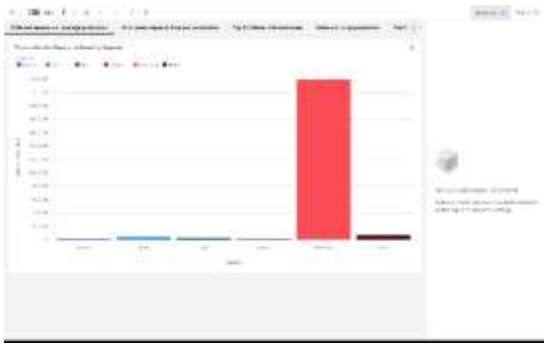
| Date | 10 November 2022 |
| Team ID | PNT2022TMID13266 |
| Project Name | Estimation of crop yield production |
| Maximum Marks | 10 Marks |

**Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

| S.No. | Parameter | Screenshot / Values |
|---|---|---|
| 1. | Dashboard design<br><br>1. Seasons With Average Productions<br><br>As production of crops depends on different seasons, so let's plot the graphs to visualize the average production based on different seasons.<br><br>2.With Years Usage Of Area And Production<br><br>In our dataset we also have a year's columns by which we will plot a line and area graphs to see the change in these both data with respect to increase in years | 5 Visulization & Graphs<br><br>1. Seasons With Average Productions<br>  <br><br>2. With Years Usage Of Area And Production<br> |

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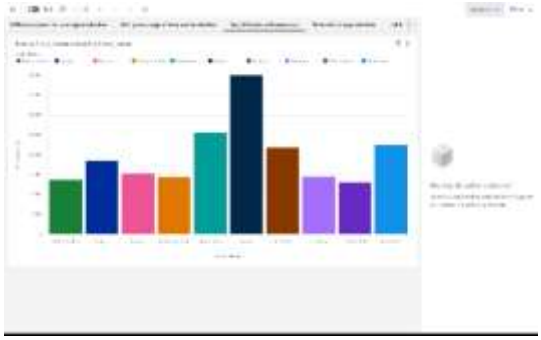
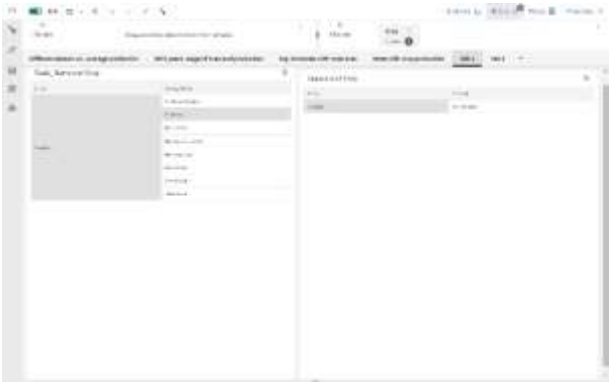
| | . 3.Top 10 States With Most Area<br>As we have an area data in our dataset, we will be plotting some graphs to visualize the top 10 Indian states .<br><br>4.State With Crop Production<br>There are so many different crops produced in Indian and most of us don't know which crop is belongs to which state so we will be plotting and highlight the states in map according to different crops.<br><br>5. States With The Crop Production Along With Season<br>Taking forward the previous plot we will be fetching the state name and showing it in a text table whenever different crops are chosen. | 3. Top 10 States With Most Area<br>  <br>4. State With Crop Production<br> <br>5. States With The Crop Production Along With Season<br>  |
| 6. | Data Responsiveness | Explore powerful visualizations of your data in IBM Cognos Analytics |
| 3. | Amount Data to Rendered (DB2 Metrics) | Load the data from a data file in a delimited format (CSV or TXT) located on a local network or in an object store (Amazon S3 or IBM Cloud® Object Storage) to IBM® Db2 Warehouse on Cloud. |

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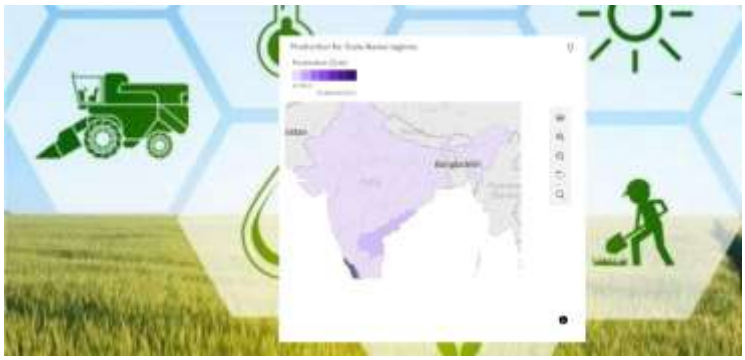
| 4. | Utilization of Data Filters | Select the visualization. Click the widget icon at the top navigation bar. On the left of visualization, associate with an existing filter group or create a new one. |
| 5. | Effective User Story | Visulizations / Graphs<br> <br>  |
| 6. | Descriptive Reports | 4 sceans are Added |

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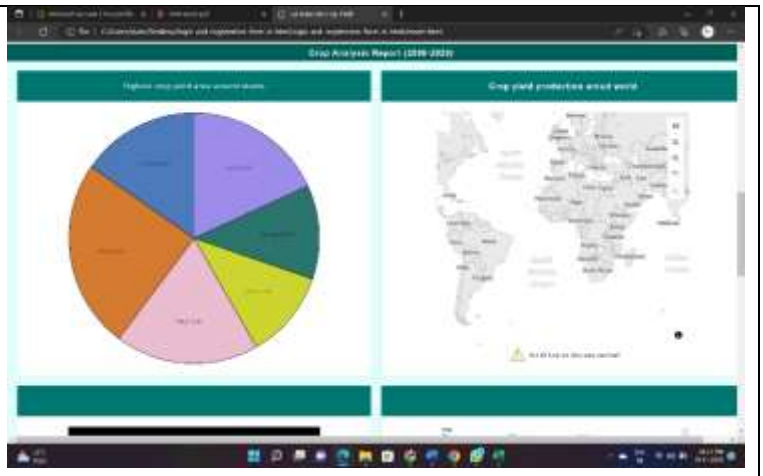
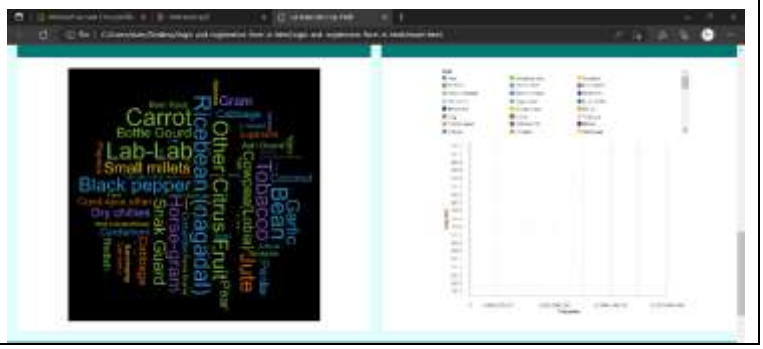
| | |  Crop Analysis Report (2000-2020)<br>Crop yield production around world<br>  Carrot<br>Bottle Gourd<br>Lab-Lab<br>Small millets<br>Black pepper<br>Dry chillies<br>Snak Guard<br>Horse-gram<br>Ricebean (nagadal)<br>Other Citrus Fruit<br>Gram<br>Tobacco<br>Jute<br>Garlic<br>Bean |