**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

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| --- | --- |
| Date | 24 October 2023 |
| Team ID | CE909FBF0CCDEDBB05E44BEA3F7B5C53 |
| Project Name | DATA DOMINATORS:A COMPARATIVE STUDY OF TOP GLOBAL UNIVERSITIES IN DATA ANALYTICS |
| Maximum Marks | 4 Marks |

**Technical Architecture:**

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

**Components & Technologies:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Component** | **Description** | **Technology** |
| 1. | IBM Cognos | AI-powered automation and insights in Cognos Analytics enable everyone in your organization to unlock the full potential of your data. The natural language AI assistant is always available–describe the data you need and let Cognos Analytics build stunning [data visualizations](https://www.ibm.com/topics/data-visualization) for you. | IBM Cognos |
| 2. | IBM Cloud | Optimized risk controls  Workloads anywhere  Resiliency and scale | IBM Compute |
| 3. | Kaggle | Kaggle is a [data science competition platform](https://en.wikipedia.org/wiki/Data_science_competition_platform) and online community of [data scientists](https://en.wikipedia.org/wiki/Data_science) and [machine learning](https://en.wikipedia.org/wiki/Machine_learning) practitioners under [Google LLC](https://en.wikipedia.org/wiki/Google_LLC). Kaggle enables users to find and publish datasets, explore and build models in a web-based data science environment, work with other data scientists and machine learning engineers, and enter competitions to solve data science challenges. | Datasets |

**Table-2: Application Characteristics:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Characteristics** | **Description** | **Technology** |
| 1. | Explorations | Explore is a flexible workspace where you can discover and analyze data. You can also explore an existing visualization from a dashboard or story. | IBM Cognos |
| 2. | Reports | With Cognos Analytics - Reporting, you can create any reports that your organization requires, such as invoices, statements, and weekly sales and inventory reports. | IBM Cognos |
| 3. | Dashboard | Analyze powerful visualizations of your data in IBM Cognos Analytics with Watson and discover patterns and relationships that impact your business. Then, communicate the insights that you discovered in a dashboard and share it with others. | IBM Cognos |
| 4. | Accessibility | Accessibility features assist users who have a disability, such as restricted mobility or limited vision, to use information technology content successfully. Cognos® Analytics includes accessibility features for navigating the user interface, and for authoring reports so that they're accessible for yourself or others. | Technology used |