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| --- | --- | --- |
| Date | 14 October 2022 | |
| Team ID | PNT2022TMID07543 | |
| Subject data analysis based visualization and predictions of heart disease | |
| Maximum Marks | 4 Marks | |

**Table-1 : Components & Technologies:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Component** | **Description** | **Technology** |
|  | User Interface | How user interacts with application e.g.  Web UI, Mobile App, Chatbot etc. | HTML, CSS, JavaScript / Angular Js / React Js etc. |
|  | Application Logic-1 | Logic for a process in the application | Python |
|  | Application Logic-2 | Logic for a process in the application | IBM Watson/node red |
|  | Application Logic-3 | Logic for a process in the application | IBM Watson/node red |
|  | Database | Data Type, Configurations etc. | MySQL, NoSQL, etc. |
|  | Cloud Database | Database Service on Cloud | IBM Cloudant. |
|  | Temperature sensor | Monitor the temperature | TMP36 |
|  | Humidity sensor | Monitor the humidity | DHT11 |

**Table-2: Application Characteristics:**

| **S.No** | **Characteristics** | **Description** | **Technology** |
| --- | --- | --- | --- |
|  | Open-Source Frameworks | Clarifai,Node- red | Software |
|  | Security Implementations | Senisitive and private data must be protected from their protection untill the decision-making and storage stages. | Encryption process |
|  | Scalable Architecture | Scalability is a major concern for data analytics platform it has been shown that different architectural choices of data analysis platform affect system capability and that automatic real time decision making is feasible in an environment composed of dozens of thousand. | Software |
|  | Availability | Automatic adjustment of heart disease equipment made liking information like patients heart beat ,sugar level,cholesterol etc | Software |
|  | Performance | The ideas of implementing integerated sensors with sensing soil and envirenmental or ambient parameters in framing will be more efficient for overall monitoring . | Software |

