**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

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| --- | --- |
| Date | 22 May 2025 |
| Team ID | LTVIP2025TMID20310 |
| Project Name | Resolvenow: Your Platform For Online Complaints |
| Maximum Marks | 4 Marks |

**Technical Architecture:**

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Component** | **Description** | **Technology** |
|  | User Interface | Web-based UI for complaint submission and tracking | HTML, CSS, JavaScript/ React Js etc. |
|  | Application Logic-1 | User registration, login, complaint submission | Node js, Express js |
|  | Application Logic-2 | Complaint assignment, status updates, messaging | Node js, Express js |
|  | Database | Stores complaints, users, agents, and admin records | MongoDB |

**Table-2: Application Characteristics:**

| **S.No** | **Characteristics** | **Description** | **Technology** |
| --- | --- | --- | --- |
|  | Open-Source Frameworks | Modern, lightweight frontend & backend | React js, Node js, Express js |
|  | Scalable Architecture | 3-tier architecture with RESTful APIs | Microservices |

**References:**

[**React.js Documentation**](https://react.dev/)

[**Node js Best Practice**](https://nodejs.org/en/learn/getting-started/introduction-to-nodejs)

[**https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d**](https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d)