|  |  |  |
| --- | --- | --- |
| **C:\Users\UIIT\Downloads\uaar logo.png** | **Pir Mehr Ali Shah**  **Arid Agriculture University Rawalpindi**  **University Institute of Information Technology** | **C:\Users\UIIT\Downloads\uiit logo.jpg** |

**FYP I – Comprehensive Survey Report**

Project Title: Constituency Connect

Supervisor: Ms. Farkhanda Qamar Project No:

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Registration No.** | **Student Name** |
| 1 | 21-arid-737 | Muhammad Ahsan |
| 2 | 21-arid-719 | Huzaifa Bin Shahzad |
| 3 | 21-arid-715 | Haseeb Ur Rehman |

1. **Project Complexity:**

|  |
| --- |
| **Role-based authorization:**  Role-based authorization using JWT tokens for multiple user roles like constituents and representatives, admin, and coordinator, each with distinctive features and permissions.  **Complex Data Handling:**  Many interconnected data pieces, such as users, complaints, surveys, and events, must be managed accurately.  **Authentication and Security:**  Strong security measures, including secure logins and data protection via encryption and hashing, to protect user information.  **Real-Time Features:**  Real-time updates when complaint status changes and event notifications  **Performance Tracking:**  Representatives' performance is tracked and displayed using charts and graphs, requiring advanced data processing and visualization.  **User Experience and Interface Design:**   * An intuitive and accessible user interface that caters to diverse user groups. * Ensures responsive design and seamless user interactions across devices.   **Customizable Reports:**  Customizable reports on various metrics, such as complaint resolutions and constituent engagement, involve complex data aggregation and presentation.  **Multi-language Support:**  If the application is designed for diverse users, providing multi-language support will add complexity by requiring translation features and language-specific content handling. |

1. **Technological Aspects:**

|  |
| --- |
| * HTML5 * CSS3 * Tailwind CSS * JavaScript * React js * Redux Toolkit * Node js * Express js * MongoDB |

**c. Potential Impact on Society:**

|  |
| --- |
| \*Briefly describe the impact of your project on our society. \* |

**d. Benchmarking:**

|  |
| --- |
| \*Perform a comprehensive literature review of the problem you will solve. Add a comparison table of existing technologies/solutions and your solution so that the gap can be identified from the table. \* |

**e. Project Features List:**

|  |
| --- |
| \*Add your features here separated by commas. \* |

**FYP Project Report Evaluation: (**For Official use only**)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Criteria** | **Good** | **Normal** | **Inferior** |
| Project Complexity |  |  |  |
| Technological Aspect |  |  |  |
| Potential Impact on Society |  |  |  |
| Benchmarking |  |  |  |
| Project Features |  |  |  |

**Suggestions/Remarks:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of Examiner |  | Date |  | Signature |

**Definition of Terms:**

* 1. **Project Complexity:** Project complexity is referred to as the degree of significant contribution that a group of students will put in the design and development of project, spanning over two academic semesters. Secondly, determine if the domain of the project marks the standard of complexity required from a bachelor’s student degree, as this project will determine the skills they learnt throughout the degree.
  2. **Technological Aspects:** Technological aspects of the project means tools/technologies and language(s) used to develop it.
  3. **Potential Impact on Society:** Determine how much impact the product could have in its stated strategy for a society or community/focused group.
  4. **Benchmarking:** The proposed project should be compared with existing similar type of works. A ***comparison table*** is more helpful for comparative view, listing features of existing works and proposed project.
  5. **Project Features:** Verify that the features mentioned are complete and significant enough for an FYP project.