**Spring2024 Project [30 Points]:**

**Each group can choose one of the following fields:**

* + **Helping People of determination to be more independent.**
  + **Special cases and syndromes such as Autism, Alzheimer, ADHD. – We have chosen Autism.**
  + **Sustainability and Recycling.**
  + **Kids learning improvements.**
  + **Healthcare system**

**Each website can include but not limited to:**

**1. Real scientific information and videos, success stories, information about international and national organizations and institute specialists and provide solutions in the problem field.**

**2. A game you create to simulate the problem or educate others about the problem, solutions,**

**3. Fund raising to collect funds and charity to develop solutions.(Doubt)**

**4. Management system to coordinate and monitor the functionalities of a real system**

**5. Dashboards to track progress, or display summaries and statistics.**

**6. IoT devices**

**7. Smart diagnosis of problems or AI to solve a problem**

**8. Chatbots and Assistant(More interactivity)**

**9. Log in as Student, Parent and Counsellor**

**10.Link between Student and Counsellor, Parent and Counsellor.**

**The development of this project is expected to be accomplished within two phases in addition to pre-phase:**

* **Pre-phase (Due on Mon, 26thFebruary.): brief quick presentation of the field you chosen and the idea scope. After taking approvals the team can start the next phase.**
* **Phase-I (Due on Sun. 24th March.): The scope, Clients requirements, Designs, and front-end technologies (JS, Bootstrap5, It is optional to add other technologies).**
* **Phase-II (Due on Sun. 30th April.): Full implementation of the website using front-end and back-end technologies (PHP, MySQL, AJAX, It is optional to add other technologies), final presentation of the project, live demo and business plan.**

**Submissions Expected from each team leader on MyCourses:**

* **Final documentation structured as follow:**
  + **Title page with project title, semester and year, team members**
  + **Rubric table (copied from this document)**
  + **Abstract which is a summary about your work.**
  + **Problem definition.**
  + **Current similar solutions, interviews with specialists in the field**
  + **Technologies used in your project and architecture.**
  + **Main features of your website and DB design.**
  + **Site Map. And code samples**
  + **References**
  + **Business Canvas Model: See Business Canvas Model.pdf file**
* **Website files (html, php, js, css, json, sql,…)**
* **Power point slides**

**Project Rubric:**

***Assessment Criteria:***

|  |  |  |  |
| --- | --- | --- | --- |
| Criteria | MAx. Grade | Group Grade | Feedback |
| Using Responsive and advanced CSS rules, and BootStrap | 10 |  |  |
| JavaScript and jQuery DHTML for the game and client-side Processing | 10 |  |  |
| client-side user input validation | 5 |  |  |
| SERVER-SIDE Validations and processing | 10 |  |  |
| AJAX in different pages | 10 |  |  |
| Database connectivity and SQL command | 10 |  |  |
| n-Tier or MVC Architecture | 5 |  |  |
| .htaccess and website configurations | 5 |  |  |
| Completeness of the project | 15 |  |  |
| documentation | 10 |  |  |
| Buiseness canvas presentation Innovation of the idea | 10 |  |  |
| Total-Grade | 100 |  |  |