**IS311 Web Development**

**Course Project**

* The IS311 students as a part of their coursework requirement must complete a project i.e. “Website Designing” based on the knowledge they have gained from the course. It includes:
  + HTML5
  + CSS
  + BOOTSTRAP
  + JAVASRCIPT
  + Node JS
  + MYSQL
  + Teamwork
* The project work has been divided into different phases, where the groups must submit the deliverable of each phase on the assigned dates. The students will be asked questions regarding their submitted work after every phase.
* **The students will receive the grades based on their contribution to each phase,** which indicates that there might be a variation in the marks scored by the members working on the same project.
* The groups should adhere to the submission dates for different phases.
* The team members within a group should show coordination and team spirit among each other.
* The students should produce their own work rather than copying work from the previous projects or any student or from the Internet.
* The total weightage for the course project is **20** marks.
* The project will be evaluated based on the Rubrics that will be given to students before the commencement of the project work.

**Note: Submission dates will not be postponed unless there is a valid reason for it.**

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| **#** | **Project Phases** | **Documents to be submitted** | **Date of Submission** |
| pre | Agreement on project & team members | Website Proposal/names of team members  Email to lecturer | (Week 5) |
| **Phase 1**  **(3 marks)** | Describing the website to be developed with a full wireframe.   * Evaluation criteria: language, correctness of the wireframe model. * Refer to the website to create wireframe.   <https://wireframepro.mockflow.com/> | * Description of the website * Wireframe * Sitemap | (Week 7) |
| **Phase 2**  **(5 marks)** | Designing the actual website   * Criteria of evaluation: proper use of HTML, CSS, and bootstrap. Student should use bootstrap to create the page layouts. * The following are expected to be included in your website:   Table, form, CSS animation, bootstrap navigation (tabs or pills or navigation bar), A dropdown,  pagination or pager, a Jumbotron and a Carousel | * Website files – a zip folder to be submitted on LMS | (Week 10) |
| **Phase 3**  **(3 marks)** | Creating Tables using MySQL   * Student are expected to discuss with their teacher the tables they are creating. | * Database design * Tables along-with all the required data * Insert data for at least 5 rows | (Week 11) |
| **Phase 4**  **(4 marks)** | Using Node JS to manipulate the database.   * In this phase students are expected to discuss with their teacher of the type of queries they must include.   **Note: additional task might be added to this phase** | * DML Commands for Select, Insert, update, and delete | (Week 13) |
| **Phase 5**  **(5 marks)** | Full functionality of the website   * Each group is expected to implement features not covered in class. This work will carry **2 marks overall,** and it will be considered from the final phase. | * A full functional copy of the website including the additional features (check the note) * PRESENTATION of the Project work. (**VIVA**) | (Week 14) |

**The submission deadline is 11:59pm on the dates specified. Any submission after that would result in 1 mark deduction for every late day.**