**Computing FYP – Design STAGE: 2024/2025**

**Module Description**

The Final Year Project enables students to take responsibility for a complete development project throughout the design and planning aspects of the project. This allows for the integration of knowledge and experience. An incremental approach will be employed in producing an implementation to meet agreed acceptance criteria.

The Final Year Project is considered a year long project. There are 2 components: FYP Design ( 5 Credits) and FYP Development (10 credits) .

FYP Design incorporates a Literature Review and Prototypes. The literature review is appraised on its quality, thoroughness, accuracy and relevance. It is expected that the writing style exhibits clarity and synthesis. The overall production values of the report are important. This includes layout, typography, visuals, etc.

Claire Horgan, [claire.horgan@mtu.ie](mailto:claire.horgan@mtu.ie), is the Project Co-ordinator. The role of the Project Co-ordinator is to :

* Assign supervisors to projects.
* Establish submission dates and convey these details to students and their supervisors.
* Collate final submissions.

**FYP DESIGN: Objectives & Marking Scheme**

The objectives set for students undertaking the FYP Design stage are:

* Review literature relevant to the selected topic in a thorough and rigorous manner.
* Analyse and synthesise information from a wide variety of sources and to write up a literature review on this body of work.
* Work independently and on your own initiative.
* Explore one area of computer science in depth.
* Produce a coherent and well written document.

**FYP Design Marking Scheme:**

Citations, Reference List, 10%

Literature Review 40%

Research Question, Methodology, Design, Prototype(s) 40%

Presentation 10%

**submission details – version 1**

There will be several submissions/milestones throughout the semester. At each of these, the student is required to submit work to date to their supervisor. The supervisors will determine if the progress to date is acceptable.

Some of the submission details are determined in collaboration with the module Software Quality Management **(SQA)** and the specific submission details are determined by the class group. These submission details will be circulated once they are agreed by the class group.

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| **Submission 1:** | **Project Vision Statement**  One paragraph on the vision of your project. This is used to assign supervisors. | Week of September 16th, 2024 |
| **Submission 2:** | **Project Proposal Document**  Proposed Project Title and Objectives. Research areas identified and research commenced. Initial key citations and references sourced. Working research question constructed.  **Interim Review**: Thursday October 3rd, 2024 (Mandatory)  Each student will present the research area and the research question to the pool. | Week of Monday 30th September 2024 |
| **Milestone** | **Project Plan**  Main research chapter in Literature Review in progress. Table Of Contents of remaining Literature Review in progress. Risk analysis including platform issues. (Table format) | Week ofMonday October 14th, 2024 |
| **Milestone:** | **Project Specification: (Determined in association with SQA Module)** | Week ofMonday October 28th, 2024 |
| **Milestone:** | **Formal Design**  Design Phase documents (**Determined in association with SQA Module)**  Sprints (First draft)  Key Class Diagrams | Week of Monday 18th November 2024 |
| **Submission 3:** | **Prototype & Design Presentation**  FYP Document: (Work in progress)  , Research Chapters, Methodology & Design Chapter  Some Increments (agreed with supervisor) implemented/tested.  Electronic submissions on Canvas.  **FYP Design Presentations: Thursday December 5th Dec 2024.** | Thursday December 5th, 2024. |

**Notes:**

Dates are subject to change.

Submissions 1 and 2 are to the individual supervisor.

Submission 3 is the final submission on Canvas.