Galway-Mayo Institute of Technology

B.Sc – Web Technologies & Programming

Work Placement / Professional Practice / Project

(Project alternative option)

In the event of a work placement not being available or deemed not suitable, the student will undertake an appropriate investigative body of work and complete a relevant project report. The overall aim is to further the students' professional expertise and enhance / complement the set of skills developed on the taught elements of the programme.

It is anticipated that a student would on this project for circa ten to fifteen hours per week for approximately twelve weeks. It is a largely a self-directed professional journey more so than a destination. In that regard, like the work placement, the project alternative isn't graded for the purposes of classification of the award of the *B.Sc in Web Technologies & Programming*.

The project involves an engagement on your part with a 'project brief' (see below). This module has a pass / fail criteria for the purposes of the awarding the 15 credits associated with the module (*i.e.* it is either "passed" or it is "failed"). As noted above (but worth re-iterating) the project isn't graded for the purposes of classification of the award of the degree though. Accordingly the classification of the award of the *B.Sc in Web Technologies* is based on the 60 classroom taught modules / credits.

Project Brief: 'Professional Portfolio' Project

- You are required to build a professional portfolio of some (or all; you decide) of your years' work such that it can be reliably shared with *e.g.* potential employers, academics, future collaborators. An appropriate *code repository* is the industry norm for such endeavours.

- *GitHub* is one such code / project repository and is recommended for use in completing this project (a professional portfolio).
  Accordingly, this project principally involves the migration of a number of your programming projects and assignments (any / all modules) completed over the duration of your studies into **GitHub** (Ref: https://github.com/).

Suggest Steps:

- You will first need to familiarise yourself with Git / GitHub. A useful starting point may be: https://en.wikipedia.org/wiki/GitHub

- Once familiar with the purpose and usage of GitHub (as you'll discover, it's a web-based service for software version control and source code management), you should selectively decide which projects among those you have completed over the last year should be included in your portfolio.

- You should then proceed to schedule and manage your time such that those projects you do select for inclusion in your portfolio can be fully migrated into GitHub.

- You may also wish to modify / enhance projects that you are taking in to GitHub; you are free to do so – projects are not being "re-marked" for academic merit.

Deliverables:

1. A short written report outlining:

    - What you did to get started (how did you learn to use GitHub).
    - What you did in GitHub (how is your repository structured).
    - A descriptive summary of what projects you have included (*e.g.* list by name, type of project, what it does, where it is in GitHub)
    - Anything else you may wish to share in your report (*e.g.* thoughts on GitHub (good or bad), features you found useful, features you would like to see etc….)

2. Access to your GitHub Repository

    - When you have completed this project – the construction of a GitHub Portfolio – you will be asked to temporarily share the portfolio with a member of GMIT academic staff (via their GitHub 'handle') for verification purposes, after which you can "unshare" with them again (remove them from the collaborators list).

Key Dates:

- The deliverables should be submitted (via *Moodle*) on or before **April 30th 2017**. A submission link will be provided on *Moodle* ('Work Placement' module in advance of the submission date).

Questions and comments relating to this specification should be posted to the ***Moodle Discussion Forum*** of the 'Work Placement' module.