



MANAGEMENT AND PROFESSIONAL SERVICES
IRELAND LIMITED

CASE STUDY

NUI GALWAY – EXAM MODELLING PROJECT (2014-2016)

PROJECT SCOPE MAPS were engaged by NUI Galway to develop a Web based modelling tool for use by all Colleges in the University to improve the Exam Board process by enabling the Colleges to run the exam boards internally and reduce the amount of time spent preparing and attending exam boards.

The scope of the project was to provide an online tool for all Colleges to allow them analyse student results and the impacts of proposed changes to results in advance of and at the exam boards. It was important that the tool be easy to use, multi-user capable and that it was accessible across various platforms e.g. PC, MAC.

The first three Colleges chosen to pilot the Exam Modelling tool were the College of Medicine Nursing and Health Sciences, the College of Business Public Policy and Law, and the College of Engineering and Informatics.

PROJECT METHODOLOGY AND DELIVERABLES MAPS developed the Exam Modelling Tool using Microsoft .Net Framework and Microsoft SQL Server.

The Exam Modelling Tool was developed so that data views and updates are restricted by College, and Colleges can use the tool and run reports locally without any requirement for advanced IT skills. Exam Modelling Tool provides Colleges with a feed of data coming directly from the Student Records system. The Tool enables analysis of student performance by College, Course Instance, Module, Subject and Overall Result, and it allows re-calculation of overall results after changes as per NUI Galway's Marks and Standards.

The Exam Modelling Tool is parameter driven for flexibility, enabling the Colleges to enable and / or use different parameters as required, without the need for IT support. It facilitates simple Programme and Course Instance selection, displaying a Histogram once the selection is made. The Tool has a powerful search engine, with filters including Programme, Course Instance, Module Code, Student Name, Student ID, Overall Result, Grade Category, Original Mark, and Modified Mark, and is colour coded for easy identification of key module marks. The Exam Modelling Tool has flexible charting and reporting options, and works across platforms and browsers.

REFERENCE CONTACT DETAILS

Colette McGuinness
Examinations Office
NUI Galway
colette.mcguinness@nuigalway.ie

Thomas McArdle
Information Solutions & Services
NUI Galway
thomas.mcardle@nuigalway.ie