

## The DCU Incorporation Project

The DCU Incorporation Project is the planned coming together of St Patrick's College, Drumcondra, Mater Dei Institute of Education and Church of Ireland College of Education with Dublin City University – the New DCU. The President of DCU has articulated a Business Vision that a student or staff member of any campus should be able to access facilities of all campuses in a transparent manner.

This is quite a complicated and ambitious integration project, involving as it does the sharing of many services, systems and a lot of information related to staff, students, modules and resources such as lecture theatres, laboratories, car parks etc. It has been decided, in view of the complexity of the project, to develop an enterprise architecture (EA) to provide a structure for all aspects of the problem.

Taking the Zachman Framework/ Taxonomy as your blueprint and *focusing solely on the aspect of data*, you should:

1. Document four stakeholders in the Incorporation and their roles<sup>1</sup> (e.g. enterprise owner, designer, builder, etc),
2. From the *Owner's* viewpoint, populate all the Zachman framework views with artefacts (a model, a diagram or detailed list) for the *Student Registration Environment*.
3. From the *Designer's* viewpoint populate all the Zachman framework views with artefacts (again a model, a diagram or a list<sup>2</sup>) for two DCU Incorporation sub-projects of your choice or that you may have encountered.
4. Outline two specific data-related issues of each stakeholder and their vision for the Incorporation Project for this sub-project.

### Notes:

1. For the *Function* column of Zachman, in the Owner viewpoint, a swimlane diagram involving 5-7 steps can be used. Please list the trigger and three end results of the process.
2. For the *Function* column of Zachman, in the Designer viewpoint, a UML use-case diagram involving the major stakeholders and their main actions.
3. From the Owner viewpoint I have chosen to apply the term *Environment* to the System problem; For the Designer viewpoint, the term I have applied is *Sub-Project*.
4. For both the Owner and Designer viewpoints in the *Time* column of Zachman, Gantt charts can be used.

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<sup>1</sup> The usual or expected function of an actor, or the part somebody or something plays in a particular action or event. An Actor may have a number of roles. The part an individual plays in an organization and the contribution they make through the application of their skills, knowledge, experience, and abilities.

<sup>2</sup> Suggested modelling tools are for BPMN/ Swimlane & ER Diagrams: [Dia](#); For all the UML diagrams: [UMLet](#)