Increasing Flexibility in Lifelong Learning Through the use of Technology in Irish Higher Education

Aims & Objectives of the Research

The aims of this research include exploring, examining and evaluating, in the context of developing a flexible implementation model, the following:

- The current “state of the art” in educational technologies
- Pedagogies underpinning flexible learning and educational technologies
- Stakeholder experiences using and integrating educational technologies
- Opportunities and barriers for the integration of educational technologies
- Personalised Learning and curriculum delivery using technology

Practitioners
- Theoretical lens
- Implementing flexibility

Pedagogy
- Institutions
- Practitioners
- Learners
- Industry
- Governing Bodies
- R. & S.

Stakeholders

3. Methodology

This research uses a concurrent triangulation mixed methods design. A literature review will be followed by three data collection phases; designed using the conceptual framework. Data collection will focus upon stakeholders educational technology experiences through:

- Practitioner Interviews
- Learner Surveys
- Learning Analytics Data

A grounded theory data analysis approach will be used to triangulate empirical data and develop the flexible lifelong learning model.

4. What is a Conceptual Framework

Based upon elements from [1-9], a conceptual framework is taken as a tentative theoretical ‘construct’, explaining the assumptions, theories and relationships underpinning a study; and operating as a theoretical lens through which research is designed and implemented. They can assist with navigation of mixed method studies, [2,4,6]. Conceptual frameworks are used to operationalise research questions, set bounds upon a study, strengthen literature review, design research, analyse synthesis and reduce data, and to connect questions, concepts, contexts and findings, drawn from [1,3,5,7,8,9,10].

5. The development of the Conceptual Framework

As a result of a literature review, a number of perspectives were identified as relevant to this study. These perspectives, Technology, Pedagogy, Implementation and Stakeholders, provide the basis of the conceptual framework for this project. These perspectives are independent and overlap in many areas and it is the areas of overlap that interests this study. The implementation perspective is at the heart of the purpose of this research, so it becomes the lens through which the other perspectives are examined. A series of flexibility dimensions were also identified during the literature review, involving [11-25], and sorted into 6 categories. These dimensions form a ‘theoretical frame’ which is embedded within the larger conceptual framework, [5], to focus the broader context upon particular aspects of interest.

6. The Conceptual Framework

Logistics
- Place and channels for contact with tutors or students
- Methods & technologies for support or contact
- Technology and place for participation in course elements
- Delivery channels for course information

Time
- Dates for starting and finishing courses (Duration)
- Times for submitting assignments and similar
- Studying tempo/pace
- Moments of assessment
- Level of interaction time

Support
- Support to combine study, work, family etc.
- Support/ preparation for flexible study
- Guidance through choice
- Types of help or support available

Approach
- Social organisation of learning
- Instructional organisation of learning
- Course languages
- Learning strategies
- Design for learner self-direction

Content
- Topics on a module or across a course
- Learning resources: mode, origin
- Theory/practice orientation of course
- Key learning materials in course

Obligations
- Conditions for participation
- Sequence of different course parts
- Progression requirements
- Assessment standards
- Completion requirements

7. References

[Full List Available]

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