



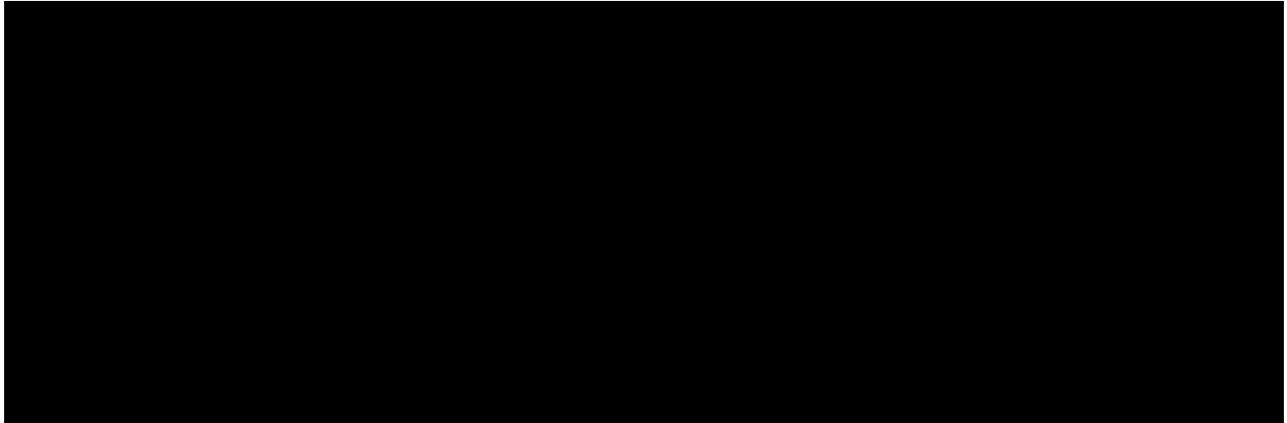


Engineering (RE) and Agent Oriented Software Engineering (AOSE) methodologies to explore “real world” systems such as Mobile Learning (ML). It is anticipated this will provide more insights into the underlying issues in the domain, and aid alignment with business goals and policies for sustainability. The application of these techniques to explore the relationship between MDTs and education is presented in this paper, along with a case study and illustrations outlining the approaches proposed.

## **2. What is Requirement Engineering?**

Reference [25, pp. 7] defines Requirement Engineering (RE) as “a set of activities concerned with identifying and communicating the purpose of a software-intensive system”. Software-

devices include tablets / devices with wide screens, powerful



**Figure 3.** *A sub-set of trade-off analysis table for a Mobile Learning (ML) system.*

In subsequent sections of this paper, techniques applicable to the ML system are illustrated in more details.

### **3.4 System Validation, Risk and Change Management**

During this stage system model(s) and specification are evaluated against requirements and agreed. Validation process can often be the most complicated part of RE, resulting in inability to reach a consensus agreement, especially where different stakeholders with conflicting opinions and goals are involved. Risks to the system are identified and measures established to minimise their effect on future optimum performance of the system and to manage changes.

Reference [26, pp. 6] warns, "If stakeholders d5nabit051 agent



following components: *stimulus, origin or source of the stimu-*

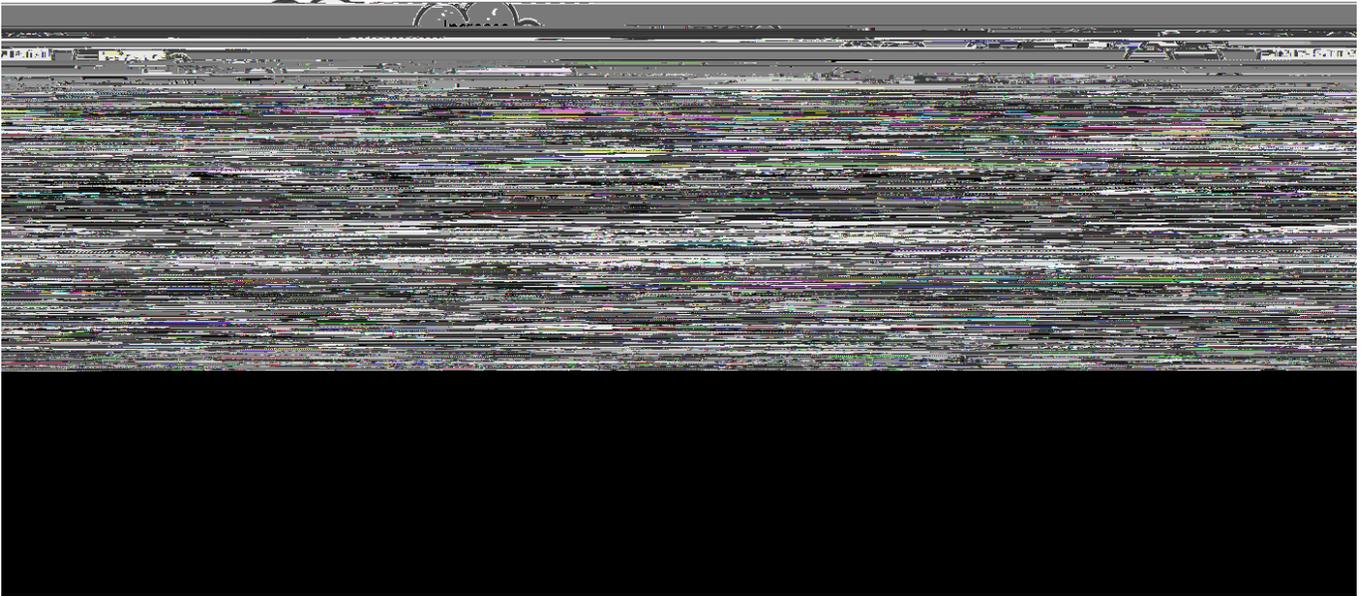




**Figure 5.** *Integrasai27ic(gr)hitectu-18(e)-2fouteree*



Association links show dependencies and relationships between actors. A *dependor* is an actor who depends on another actor in a relationship. *Dependee* is the actor who is depended upon while *dependum* is the agreement or element between actors which can be either goals, *softgoals*, *tasks* or *resources*. The



**Figure 8.**

ough investigation of the subject domain of ML and MDT in-



study of traditional requirement engineering and agile re-