Multimedia University
Faculty of Information Science & Technology (FIST)

Interactive Project Management System (IPMS)
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Welcome! DHIVIYAH A/P RAMESH (Student/DCN)

Project Information

[Available]

Project assignment (Student ID)	**Available**
Project ID	T782546
Project Title	**IMPLEMENTATION OF ADAPTIVE DIGITAL LEARNING FOR SCIENCE IN SECONDARY SCHOOL**
Description	Adaptive learning systems have been shown to lead to impressive improvement in student learning across a wide range of domains, including math (Beal et al, 2007 Koedinger et al, 1997), reading (Mostow & Beck, 2007), science (VanLehn et al, 2005), physical procedural tasks (Rickel & Johnson, 1999), medicine (Eliot & Woolf, 1994), computer programming (Corbett & Anderson, 1992) and even across domains (Graesser et al, 2005). These adaptive learning systems are typically grounded in established cognitive theory, cognitive task analysis, and cognitive modelling.
Objectives	An adaptive learning system tries to evaluate what a student knows and present that student with new material and/or problems to solve that are just at the edge, or just beyond the edge, of the student's demonstrated knowledge and understanding. A key to adaptive learning is to maintain low stress on working memory, so the student can easily and actively extend her long-term network of associations and strengthen her understanding of partially understood concepts.
Project type	Application-based
Specific area of research	Web Based Programming
Skill set required	Java, C#.NET, ASP.NET
Expected deliverable	Working prototype with framework
Project schedule (List of steps for the project)	1) Literature review (1 month) 2) System design (1 month) 3) Development & interim report (3 month) 4) Testing (1 month) 5) Deployment & final report (1 month)
Innovative component/ project potential	Enhancement
This project suitable for programme	Business Intelligence & Analytics (BIA) Data Communications and Networking (DCN) Security Technology (ST) Artificial Intelligence (AI) Information Technology Management (ITM)
Proposed by	Lecturer
Supervisor information	**Supervisor name:** Jaya Kumar Krishnan **Email:** jayakumar.krishnan@mmu.edu.my **Office phone:** 3361 **Room number:** IT AR 1005 **FYP Consultancy Schedule:** **Monday and Tuesday :(11:00am - 1:00pm)** **Call 012-7271966 for other appointment time /date.**

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