

# **Resource Architecture in the Virtual Digital Learning Landscape (RAVD)**

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## **Abstract**

As technology becomes pervasive, the teaching and learning landscape is now capable of presenting an interoperable and seamless learning architecture to connect, integrate, and share learning resources. Although we have a plethora of learning resources, searching for specific content is not easy and takes time to view and identify the content being searched. As such a tagging metadata mechanism is envisaged that will facilitate for content search. The tagging of these learning objects will lead to an intelligent virtual content selection environment that will facilitate for any content to be searched based on each of the elements of learner, subject, pedagogy and technology via the Resource Architecture Metadata Input (RAMI). Ultimately, a content directory is envisaged to accentuate the digital learning landscape resulting in the Resource Architecture in the Virtual Design environment (RAVD).

## **Brief Bio**

Rozhan M. Idrus is currently the Chief Information Officer (CIO) and Director, Centre for Global Open Access Learning-Immersive Technology & Quality Assurance in the Universiti Sains Islam Malaysia (since 2014). He is a Professor of Open and Distance Learning (ODL) & Technogogy with 30 years of experience in ODL. Rozhan is an e-learning analyst, consultant, presenter and workshop facilitator and has presented 40 Keynote addresses in 17 different countries. He has published more than 180 publications in international citation-indexed journals, books and handbook chapters. Spearheaded the first home-grown electronic portal (2003) and pioneered use of sms in teaching of physics (2008) while in the Universiti Sains Malaysia (USM). He has also garnered awards in mobile learning in the World Education Summit (2011), e-INDIA Awards (2010) and the Asia Pacific Mobile Learning & Edutainment Advisory Panel (APACMLEAP) Mobile Learning Initiatives Recognition (2009). More recently he was awarded the Gold Medal Award in the Innovation and Invention in Education Competition 2016 in the Universiti Pendidikan Sultan Idris in Malaysia with the entry 'Resource Architecture in the Virtual Design (RAVD) learning landscape. He has given a definition to the term 'technogogy' and is passionately promoting it. He is the founding chief editor of the Malaysian Journal of Educational Technology and the International Journal of Excellence in e-learning of the Hamdan Bin Mohammed Smart University Dubai, UAE.