CHAPTER 8

FUTURE DIRECTION
8.0 FUTURE DIRECTION

This experimental study can be scaled up in future for targeting a larger cross section of students and faculties covering multiple institutions and involving multiple countries. Educational data mining techniques can be used for analyzing web log data to unfold hidden patterns for continuously improving the e-Learning Framework. Future studies are needed to incorporate Security and Privacy in the e-Learning settings. Experimental studies can be planned to physically measure the cognitive overload of content, media and their presentation styles.

The proposed multi-faculty model was complex, multidimensional and exhibited many inter-dependent relations. Therefore the future enhancement requires careful attention to the definition and measurement of each dimension. Considering the intangible nature of the assets available in the e-Learning portals, MOOC platforms, and the complexity and dynamics of building the collaborative eLearning infrastructure, it is also equally important to determine the strengths and weaknesses of the environment through Key Performance Indicators (KPIs).

Further research works can be carried out on the KPIs to systematically assess the effectiveness of the factors and the associated benefits. The Artificial Intelligence (AI) agent techniques can be considered and applied to further enable the students and teaching staff to share the contents dynamically through chat bots or interactive email systems. There are a lot of research avenues with respect to security agents for e-Learning systems which can be developed to protect the knowledge assets. In addition to that, there are potential opportunities to research on communications between different e-Learning modules and their interactions.