Considerations on Building Information Modelling (BIM) In Mauritius

Rughooputh Reshma and Mahadeo Ritisha (Mauritius)

SUMMARY

Abstract

This paper attempts to gather and analyse quantitative data in order to establish the understanding that Mauritian Architectural, Construction, Engineering and Surveying (ACES) practitioners have of BIM, to determine their requirements from BIM in terms of functions and benefits and to identify the most likely barriers that BIM uptake would have to face in Mauritius. These are indeed important to assess when considering the adoption and implementation of BIM. A self-administered structured questionnaire survey was used for data collection. Data analysis was carried out using Microsoft Office Excel and IBM SPSS Statistics 22 and included calculation of RIIs, Chi-square tests, correlation coefficients and Kruskal-Wallis test. A total of 175 questionnaires were obtained, representing an overall response rate of 42.6%.

The sample adequately represented the Mauritian construction industry. It was found that 65% respondents know and understand BIM concept. Use of BIM-related software was more common (43%) than use of BIM principles and processes (14%). Most people (94%) were very interested to learn about and be trained in BIM. It was established that different professions require different functions and benefits from BIM. Respondents agreed over the top 3 and bottom 3 barriers. Some recommendations have been made in the context of education and training, government support and further studies.

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