Decision Support System for Local A/L Path Selection based on Knowledge Management Concept

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Abstract. The government of Sri Lanka subsidized free education from primary to graduate levels. Consider the following aspect of the educational process: the A/L (G.C.E) examination is a cross point for university entrance. Therefore haven't clear guidance material, after the O/L examination, to students, subject, and stream selections for the A/L examination. After analyzing the situation, it became clear that, following the O/L examination, students sought advice from a variety of sources regarding their A/L stream choice. They received feedback from parents, teachers, undergraduates, relatives, and someone who is involved in subject selection as a trend. Furthermore, when preparing for A/L, some students have no idea what related degrees, jobs, and opportunities are available based on their subject selection, and if not satisfied with their decision, they change it again, potentially wasting their time and money. Consider the review of analysis and, therefore, a knowledge management-based decision support system helps to build reference-based correct direction for users to make suitable stream selections. Furthermore, as a decision support system for the A/L subject selection concept-related, have not yet developed any knowledge management or knowledge sharing system. This paper attempts to define the concept of developing a decision support system for A/L path (subjects and stream) selection-based knowledge management concept for anyone who wants self-guidance and knowledge about A/L subjects, the syllabus, related degrees of university entries and job opportunities.

Keywords: knowledge management, decision support system, A/L subject selection, Higher education