Developing an Interactive VM-web for Establishing FAST Diagram in VM Course

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Abstract:

Value Management (VM) is a systematic logical team decision making process (Leung 2001). Hong Kong government encourages a wider adoption of VM techniques for construction projects (WTBC16/1998, Tang2001, WTBC35/2002, Leung et al. 2002a) in order to achieving an excellence in the quality of construction products, while most of the practitioners in the HK construction industry misunderstood and had false perceptions of VM (Fong and Shen 2000).

To enhance the innovative management techniques for our construction students (who will become professionals in the industry), VM course is added at the CityU in 2002. The proposed project aims to develop an interactive VM web for the application of VM technique (FAST diagram) in the universities in order to allow students to practice the VM acquainted with the rules at a pace suited to their level of proficiency. The centre seeks to enhance the teaching method and improve/enrich teamwork with free of time limitations. The focus of the centre is toward proactive learning and development of critical thinking skills in teamwork, including stimulating and analyzing functions for specific issues, out of the teacher-student contact hours.