

A prototype to recognise the drawing elements in construction drawings using artificial intelligence

Abstract

The issues in two dimensional construction drawings that limit the integration and automation in construction among different phaseses of construction processes are identified. A framework designed in this study to recognise the drawing elements in construction drawing using artificial intelligence is briefly explained. The development of the element recognition prototype following the framework is highlighted. Finally, the performance of the element recognition prototype is tested against a commercial drawings consists thirty one drawing elements are validated. The prototype has successfully recognised.