

The 6TH INTERNATIONAL CONFERENCE ON

ARTS AND HUMANITIES 2019

“ DECOLONIZATION IN THE ARTS AND HUMANITIES ”

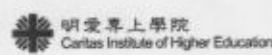
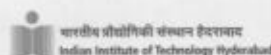
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LITERATURE REVIEW ON THE TECHNIQUES FOR DIGITIZATION OF TWO-DIMENSIONAL (2D) ARTIFACTS CONSERVATION

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ABSTRACT

Conservation of cultural heritage is an area of science that describes how to preserve various products of art, architecture, and other cultural works. There are different types of valuable artworks available in places like Colombo Museum and historical temples in Sri Lanka which are needed to be conserved for the archeological aspect. The aim of this paper is to identify techniques for digitization of 2D artifacts conservation. As the research methodology, a case study of digital photos of Bellanwila Temple taken by Lal Hegoda was studied to identify the application of digital technology for the area of two-dimensional conservation of large mural paintings and some existing works in the area of digitization of 2D artifacts conservation were studied to identify the techniques used. Image stitching technique was identified as one of the main technologies used in this area and it was thoroughly studied in different perspectives in this research. In this paper, results of the above case study and the literature review will be discussed with a recommendation to continue the research to fulfil the requirement of enhancing available mechanisms for 2D artifacts conservation.

Keywords: Conservation, preservation, cultural resources, two-dimensional artifacts, digital technology, image stitching