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RESEARCH ARTICLE

Historical Document Preservation using Image Processing Technique

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Abstract— In this paper we present recursive methods for the cleaning and the enhancing of historical documents. Most of the methods, used to clean and enhance documents or transform them to binary images, implement combinations of complicated image processing techniques which increase the computational cost and complexity. There is a problem of preserving historical documents from the degradation due to some bad storage conditions & poor contrast between foreground & background due to humidity. Digital image processing is an area characterized by the need for extensive experimental work to establish the viability of proposed solutions to a given problem. Our method simplifies the procedure by taking into account special characteristics of the document images. Moreover, the fact that the methods consists of iterated steps, makes it more flexible concerning the needs of the user. At the experimental results, comparison with other methods is provided and proves which one is best.

Key Terms: - Image Enhancement techniques; Filters; Noise Removal techniques; handwritten Devnagari Document

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