



# A Method of Watermarking Based On Image Classification and Shifting of Dynamic Histogram

*Appa Rao Kamarsu\**

*M.Tech Student, Dept of CSE, TRR College of Engineering, Hyderabad, T.S, India*

## KEYWORDS

Watermarking;

Classification;

Dynamic

Histogram;

**Abstract:** This paper presents a method of watermarking based on image classification and shifting of dynamic histogram. *A reversible watermarking scheme with a histogram shifting modulation of the image content through applying it to the image prediction-errors. This scheme makes use of a classification process for identifying parts of the image that can be watermarked with the most suited reversible modulation. This classification is based on a reference image derived from the image itself, a prediction of it, which has the property of being invariant to the watermark insertion. In that way, the watermark embedder and extractor remain synchronized for message extraction and image reconstruction.*