

CRYPTOGRAPHY USING ARITHMETIC CODING

MAYURI V. CHAUDHARI¹, VRUSHALI CHOUDHARI² & KRANTISH POL³

^{1,3}Department of Electronics and Telecommunication, B. R. Harne College of Engineering, Karav, Vangani, Ambernath, Thane, Maharashtra, India

²Department of Computer Engineering, B. R. Harne College of Engineering, Karav, Vangani, Ambernath, Thane, Maharashtra, India

ABSTRACT

In today's World, both speed of transmission, size of the content with security of data is needed. These criteria can be accomplished by data compression and encryption. Data compression refers to the reduction of the data size while data encryption is to provide more security. By compression of data not only the size of data reduces but also the speed of data transmission increases. Hence, by these techniques you can reduce the data size, increase the data transfer rate and provide security during data transmission.

KEYWORDS: Cryptography, Security of Data, Data Transmission, Arithmetic Coding