



**RESEARCH ARTICLE**

# **SECURED AND RELIABLE DATA TRANSMISSION USING LYCHREL NUMBERS RGB COLORS AND ONE TIME PASSWORD**

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***Abstract— The main objective of Securing data transmission by xml using lychrel numbers, RGB colors and one time password. The universal technique for providing Cryptography is the primary technique to assure data security. This scheme provides various factors to encrypt and decrypt the data using a key such as Lychrel numbers and RGB colors as the password. There are three keys used to provide secure and reliable data transmission with the RGB colors which is a primary security element which provides authentication. Here colors and Time based one-time key are been used as the password for authentication process. Lychrel numbers are used to encrypt and then decrypt the data that is to be transmitted.***

***Keywords: - RGB colors; Lychrel numbers; Time-based one time password; AES algorithm***

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