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(54) Title of the invention : SYSTEM AND METHOD TO AUTOMATICALLY DETECT AND DECRYPT A CIPHER TEXT WITHOUT A KEY

<p>(51) International classification :G06F 402890, H04L 090600, H04N 214260, H04W 120433, H04W 841800</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)Bluest Mettle Solutions Private Limited Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)MISHRA, Rahul Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p>2)PANDEY, Sakshi Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p>3)SHARMA, Bhanu Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
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(57) Abstract :

The present disclosure relates to a system (100) and method for automatically detecting and decrypting a cipher text without any key. The system involves machine learning techniques, statistical analysis, genetic algorithms, brute force attacks and dictionary attacks to successfully decipher (108) an encrypted text. The system uses machine learning techniques to create training sets and applies neural networks for intelligent decryption of encrypted texts. The system also includes a decryption of the encrypted information so that an authorized user can only decrypt the data because decryption requires a secret key or password. The system is useful for security purposes and for a faster decryption process (108) without the need for using any private or public keys. The method involves displaying a number of decryption techniques (108) for the user to choose form according to his convenience.

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