

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311048990 A

(19) INDIA

(22) Date of filing of Application :20/07/2023

(43) Publication Date : 11/08/2023

(54) Title of the invention : SYSTEM AND METHOD FOR PREDICTING AND PREVENTING RANSOMWARE ATTACKS

(51) International classification :B60W 500000, G06F 111000, G06F 215500, G06F 215600, H04L 090000  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)Chitkara University**

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----

**2)Bluest Mettle Solutions Private Limited**

Name of Applicant : NA

Address of Applicant : NA

(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 -----

**2)PANDEY, Sakshi**

Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----

**3)MANTRI, Archana**

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----

(57) Abstract :

Disclosed is a system (100) for predicting and preventing ransomware attacks. The system (100) includes an input unit (102), a processing unit (104), and an output unit (106). The input unit (102) configured to obtain data from various sources within an organization's network. The processing unit (104) is configured to analyze the data to identify patterns and anomalies that are indicative of a ransomware attack. The processing unit (104) utilizes a machine learning technique and an artificial intelligence technique. The output unit (106) is configured to mitigate an effect of the ransomware attack. The output unit (106) mitigates the effect of the ransomware attack by isolating the affected platform from the ransomware attack.

No. of Pages : 14 No. of Claims : 8