(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311053720 A

(19) INDIA

(22) Date of filing of Application :10/08/2023

(43) Publication Date : 08/09/2023

(54) Title of the invention : SYSTEM FOR PHISHING DETECTION IN INSTANT MESSAGING (IM)

(51) International classification : H04L0051000000, G06N0020000000, G06F0021550000, H04L0051040000, G06F0021570000	(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)**SINGH, Dhiraj**
	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 ----------- ----------

(86) International Application No Filing Date : NA : NA	
(87) International Publication No : NA	
(61) Patent of Addition to Application Number Filing Date :NA :NA	
(62) Divisional to Application Number Filing Date :NA :NA	

(57) Abstract :

The dynamic phishing protection system (200) is an advanced and proactive security solution designed to combat phishing attacks within instant messaging platforms. By utilizing cutting-edge technologies such as machine learning (206), natural language processing (208), and computer vision (210), the system performs real-time analysis of messages and multimedia content exchanged in the platform. It employs sophisticated algorithms to detect patterns, indicators, and malicious behaviors associated with phishing attempts. With continuous updates and adaptations, the system stays ahead of evolving phishing techniques, ensuring the highest level of protection for users. By blocking or flagging suspicious messages, providing user education and awareness, and integrating feedback mechanisms (214), the system offers a robust defense against phishing attacks, preserving the integrity and security of the instant messaging platform.

No. of Pages : 22 No. of Claims : 10