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(54) Title of the invention : SYSTEM AND METHOD FOR CYBERSECURITY RECONNAISSANCE, ANALYSIS FOR NETWORK SECURITY

(51) International classification :G06F0021570000, G06F0021560000, G06F0021550000, G16H0050300000, A61B0005000000	(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 ----------- -----------
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(57) Abstract :
Embodiments of the present disclosure relates to a system (102) and method (200) for cybersecurity reconnaissance and analysis for network security management. The system (102) comprises a processor (104) coupled to a memory (106). The memory (106) stores processor-executable instructions. The processor (104) is configured to collect cybersecurity data from a plurality of sources. Next, the processor (104) is configured to analyse the collected cybersecurity data to identify cybersecurity threats. Thereafter, the processor (104) is configured to assign a cybersecurity risk score to the identified cybersecurity threats based on the analysed cybersecurity data. In the end, the processor (104) is configured to provide a graphical representation of the cybersecurity risk score in a report.

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