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(54) Title of the invention : A SYSTEM AND METHOD FOR BLOCKING UNAUTHORIZED ACCESS USING MACHINE LEARNING AND BEHAVIOURAL ANALYSIS TECHNIQUES

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(57) Abstract :
Embodiments of the present disclosure relates to a system (100) and method (300) for detecting and blocking unauthorized access attempts by applying machine learning techniques and real-time behavioural analysis. The system (102) comprises a processor (202) coupled to a memory (204). The memory (204) stores processor-executable instructions. The processor (202) is configured to collect network traffic data from a plurality of sources. Next, the processor (202) is configured to extract features from the collected network traffic data. Thereafter, the processor (202) is configured to detect an unauthorized access attempt in the network based on the extracted features. In the end, the processor (202) is configured to transmit an alert notification to network security personnel based on the detected unauthorized access attempt in the network

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