

(54) Title of the invention : SYSTEM FOR SPECIFYING COMPLIANCE AND POLICIES AND ANALYZING SECURITY IN APPLICATIONS

<p>(51) International classification :B41M 031400, C09D 115000, G06F 215700, H04L 450000, H04M 070000</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 :</p> <p>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 :</p> <p>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)PANDA, Surya Narayan 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 invention discloses a system (100) to enhance security and compliance in a plurality of android applications. The system includes a processor (102) to perform various security analysis tasks. including code analysis, conducted through a static application security testing (SAST) module, to identify security vulnerabilities and flaws within the source code. Additionally, the system conducts runtime analysis using a dynamic application security testing (DAST) module to detect security weaknesses and attack vectors during application execution. Furthermore, the system generates output based on the customized compliance and policies, enabling users to obtain a comprehensive overview of the security analysis results. The system includes an automated remediation component that applies fixes for identified security vulnerabilities and compliance violations in the plurality of applications, streamlining the remediation process. The system presents privacy, data encryption, and compliance, following OWASP mobile application penetration testing guidelines.

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