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(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 ----------- -----------

(57) Abstract :
A computer-implemented system (100) and a method for vulnerability remediation in computer applications is provided. The system includes a scanning module (102), a runtime analysis module (104), a report generation module (106), a remediation module (108), a reporting module (110), and a database (112) to find and fix vulnerabilities caused by the rapid advancement of technology and the increasing use of computer applications and also stores information about discovered vulnerabilities and countermeasures, facilitating efficient tracking and management. The system (100) offers timely remediation suggestions, including automated or manual methods such as patching, configuration adjustments, code rewriting, and manual fixes. The system (100) is versatile, supporting multiple programming languages and adaptable to suit various application and organizational requirements.

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