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<p>(51) International classification :G06F0021620000, G06F0021600000, H04L0067510000, G06Q0050260000, H04L0051000000</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 : 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 : 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)SINGH, Dhiraj Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p>3)MANTRI, Archana Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
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(57) Abstract :

The primary objective of the invention in the present disclosure is to develop a secure and efficient system that regulates user (116) access to cloud services through mobile applications. The proposed system leverages cutting-edge authentication (102) and authorization techniques, including multi-factor authentication (102) and role-based access control, to ascertain user (116) identities and enforce granular access policies. The system also focuses on the architecture and design of the client application-based access control system, emphasizing seamless integration with diverse mobile platforms and cloud service providers. The system is engineered to uphold a seamless user (116) experience while ensuring stringent data protection and privacy. Furthermore, extensive performance evaluations and security assessments are conducted to measure the system's effectiveness in real-world scenarios. Rigorous testing is undertaken to assess its resilience against common security threats, such as unauthorized access attempts, data breaches, and mobile-specific vulnerabilities.

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