

(54) Title of the invention : SYSTEM TO MANAGE IDENTITY AND ACCESS CONTROL OVER CLOUD AND METHOD THEREOF

<p>(51) International classification :G06F 120000, G06F 216200, G07C 093700, H02J 030000, H04W 082000</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)KUKREJA, Vinay 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) for managing identity and access control in the cloud environment. The system addresses challenges associated with unauthorized access, data breaches, compliance requirements, and offers robust security measures such as multi-factor authentication and privileged access management, reducing the risk of unauthorized access and protecting sensitive data. The system provides fine-grained access control through defined roles and permissions, ensuring that users only have access to necessary resources. It supports compliance with auditing, reporting, and conditional access policies, enabling organizations to meet regulatory standards. Furthermore, the system streamlines user experience with single sign-on and identity federation, simplifying access to multiple cloud services, and automates user provisioning and de-provisioning processes, ensuring timely and secure account management.

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