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(51) International classification	:H04L0009400000, G06F0021620000, G06F0021600000, G06F0021310000, G06Q0010100000	(71) <b>Name of Applicant :</b> <b>1)NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY</b> Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. Uttar Pradesh India
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(57) Abstract :

The invention discloses a Cloud-Supported Tool for Automated Document Access Control (101) that ensures secure, intelligent, and compliant document management. It comprises a document storage unit (102), authentication and identity management module (103), contextual analysis engine (104), machine learning anomaly detection unit (105), policy enforcement layer (106), encryption/decryption module (107), and audit reporting unit (108). The tool dynamically enforces role-based and context-aware policies, ensures compliance, and integrates with enterprise cloud platforms. This invention improves security, reduces administrative overhead, and provides scalable, regulation-aligned access control for sensitive documents.

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