

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202611037447 A

(19) INDIA

(22) Date of filing of Application :26/03/2026

(43) Publication Date : 08/05/2026

(54) Title of the invention : AN ADAPTIVE MODEL GOVERNANCE SYSTEM FOR CONTINUOUS AI DEPLOYMENT

(51) International classification	:G06N 20/00, G06F 9/445, G06F 8/60, H04L 9/40, G06F 21/57	(71)Name of Applicant : 1)NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. Uttar Pradesh India
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(32) Priority Date	:NA	2)MONIKA MEHRA
(33) Name of priority country	:NA	
(86) International Application No	:	
Filing Date	:01/01/1900	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An adaptive model governance system for continuous AI deployment is disclosed. The system includes a governance controller (101), model registry interface (102), policy repository (103), evidence ingestion fabric (104), deployment gate (105), runtime surveillance engine (106), decision synthesizer (107), remediation orchestrator (108), and audit ledger (109). A governance session is created for each model version, evidence is continuously evaluated against context specific policies, and deployment eligibility is dynamically controlled. Runtime deviations trigger bounded corrective actions and traceable ledger entries, thereby enabling accountable, policy aligned, and continuously supervised AI deployment across enterprise environments.

No. of Pages : 24 No. of Claims : 6