(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/05/2025

(21) Application No.202511044072 A

(43) Publication Date : 23/05/2025

(54) Title of the invention : AN ADAPTIVE CYBERSECURITY RISK ASSESSMENT TOOL FOR REAL-TIME BUSINESS PROCESS MONITORING

(51) International classification :G06N20/00, G06F16/25
(86) International Application No :NA
Filing Date :NA
(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

(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. ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)BANDANA KUMARI
Address of Applicant :Department of Computer Science & Engineering (CSBS), Noida Institute of Engineering & Technology, Greater Noida. Greater Noida ---------- ----------

(57) Abstract :
An adaptive cybersecurity risk assessment tool (100) for real-time business process monitoring is disclosed, comprising a real-time process monitoring unit (101), dynamic behavior analysis module (102), adaptive risk scoring engine (103), machine learning model trainer (104), and visualization dashboard (105). The invention dynamically assesses cyber risks during ongoing business operations, flags anomalies, adapts through feedback (107), and provides predictive insights (109) for proactive threat management.

No. of Pages : 14 No. of Claims : 5