AI and Cybersecurity Integration in Disaster Recovery for Business Continuity Planning

Deepak[1] and Dr. Amaravathi Pentganti[2]
[1]Research Scholar, Department of Computer Science
[2]Research Guide, Department of Computer Science
NIILM University, Kaithal, Haryana

Abstract: *In the digital era, the convergence of Artificial Intelligence (AI) and cybersecurity has become pivotal in enhancing disaster recovery (DR) strategies within Business Continuity Planning (BCP). Traditional DR approaches often fall short in addressing the complexities and dynamic nature of modern cyber threats. AI-driven solutions offer proactive threat detection, real-time monitoring, and automated response mechanisms, significantly reducing recovery time and ensuring data integrity. Integrating AI with cybersecurity frameworks enables organizations to anticipate potential disruptions, streamline recovery processes, and maintain operational resilience. This paper explores the synergistic relationship between AI and cybersecurity in fortifying DR plans, emphasizing the importance of a unified approach to safeguard critical assets and ensure business continuity..*

Keywords: Predictive Analytics, Automated Response**,** Data Integrity