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(54) Title of the invention : METHOD AND SYSTEM FOR IMPLEMENTING A QUANTUM-COGNITIVE RESILIENCE FRAMEWORK: ADAPTABLE INFORMATION SYSTEMS FOR ACHIEVING UNPRECEDENTED SECURITY AND EFFICIENCY

<p>(51) International classification :G06N0010000000, G06N0020000000, B82Y0010000000, G06N0005020000, G06Q0010060000</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 :</p> <p>1)CMR TECHNICAL CAMPUS Address of Applicant :KANDLAKOYA VILLAGE, MEDCHAL MANDAL, R. R DISTRICT, HYDERABAD 501401 TELANGANA, INDIA Hyderabad -----</p> <p>2)CMR COLLEGE OF ENGINEERING & TECHNOLOGY Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Dr V Malsoru Address of Applicant :Assoc. Prof., Information Technology, CMR Technical Campus KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----</p> <p>2)Y Satyam Address of Applicant :Asst. Prof., Information Technology, CMR Technical Campus KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----</p> <p>3)G Vamshi Krishna Address of Applicant :Asst. Prof., Information Technology, CMR Technical Campus KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----</p> <p>4)Dr.L.Gurumoorthi Address of Applicant :Prof., Information Technology, CMR College of Engineering and Technology KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----</p> <p>5)Dr. K. L. S. Soujanya Address of Applicant :Prof., Information Technology, CMR College of Engineering and Technology KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----</p> <p>6)Dr. R Venkateswara Reddy Address of Applicant :Asst. Prof., Information Technology, CMR College of Engineering and Technology KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----</p>
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(57) Abstract :
 METHOD AND SYSTEM FOR IMPLEMENTING A QUANTUM-COGNITIVE RESILIENCE FRAMEWORK: ADAPTABLE INFORMATION SYSTEMS FOR ACHIEVING UNPRECEDENTED SECURITY AND EFFICIENCY ABSTRACT The invention discloses a Quantum-Cognitive Resilience Framework for information systems, comprising a method and system. The method involves utilizing quantum computing techniques, represented by quantum processing units (108), to enhance the resilience of information systems. Additionally, cognitive computing capabilities, embodied by cognitive computing modules (110), are integrated to adaptively respond to dynamic security challenges. The method ensures adaptability through an adaptable information system architecture (112), achieving unprecedented levels of security and efficiency. The system (100) includes quantum processing units (108) configured for resilient computations, cognitive computing modules (110) for adaptive security responses, and an adaptable information system architecture (112). The architecture facilitates enhanced security and efficiency. Quantum-Cognitive Resilience Framework, with reference numerals 108, 110, and 112, provides a holistic solution to fortify information systems against evolving security threats, showcasing the synergy of quantum and cognitive computing technologies.

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