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<p>(51) International classification :G06Q 50/06 (86) International Application No :PCT// 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</p>	<p>(71)Name of Applicant : 1)Mr. V. C. Eugin Martin Raj Address of Applicant :St. Anne's College of Engineering and Technology, Anguchettypalayam, Panruti- 607106. ----- ----- 2)Dr.S.P.Abirami 3)Mr. Anil Mahadeo Hingmire 4)Dr.A.Priyadharshini 5)Dr.C.S.Sundar Ganesh Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Mr. V. C. Eugin Martin Raj Address of Applicant :St. Anne's College of Engineering and Technology, Anguchettypalayam, Panruti- 607106. ----- ----- 2)Dr.S.P.Abirami Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Coimbatore Institute of Technology, Coimbatore-641014 ----- 3)Mr. Anil Mahadeo Hingmire Address of Applicant :Assistant Professor Department of Computer Engineering, Vidyavardhinis College of Engineering and Technology, Vasai West PIN 401202 ----- 4)Dr.A.Priyadharshini Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Coimbatore Institute of Technology, Coimbatore-641014 ----- 5)Dr.C.S.Sundar Ganesh Address of Applicant :Assistant Professor, Department of EEE, Karpagam College of Engineering, Myleripalayam, Coimbatore-641032 -----</p>
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(57) Abstract :

Economics, national security, and public health rely heavily on accurate electricity supplies. The integration of communications technology and sensors in power systems is allowed as a smart grid (SG), which revolutionizes the power production, distribution, monitoring, and control paradigm. Many issues need to be addressed to determine the compatibility of the Smart Grid. The safety of the intelligent grid is the most complicated function and is very critical. This innovation proposes that an IoT-approved phase should include a safe demand management mechanism using AI. The proposed DSM safeguards the efficient use of energy according to your choices. To control incursions into the smart grid, a special flexibility sample has been suggested. Inelastic agents predict swindling businesses; ML classification systems are used. To treat power data to enhance energy consumption, promoted power management and intermediate control businesses are recommended.

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