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(51) International classification	:G06N 5/04, G06N 20/00, G06N 5/02, G06Q 10/04, G06Q 10/06	(71) <b>Name of Applicant :</b> <b>1)Vels Institute of Science, Technology &amp; Advanced Studies (VISTAS)</b> Address of Applicant :PV Vaithiyalingam Rd, Velan Nagar, Krishnapuram, Pallavaram, Chennai, Tamil Nadu - 600117 Tamil Nadu India (72) <b>Name of Inventor :</b> <b>1)A. Bhuvaneswari</b> <b>2)Radha Jayasheela P. S</b> <b>3)R. Vimala</b> <b>4)G Uma Maheswari</b> <b>5)S. Kalaivani</b> <b>6)L. Keerthana</b> <b>7)R. Nageswari</b> <b>8)R. Nalini</b> <b>9)J. Pugazhenth</b> <b>10)Dinesh Kumar. T</b> <b>11)N. Amutha Lakshmi</b> <b>12)P. Koushika</b>
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(57) Abstract :

[034] The present invention relates to a system and method for predictive case outcome analysis using intelligent computational techniques. More particularly, the invention provides a framework for evaluating historical and contextual data to generate probability-based predictions of case outcomes. The system integrates data preprocessing, feature extraction, hybrid machine learning-based inference modeling, and secure visualization interfaces to enhance decision support capability. The proposed invention improves prediction accuracy, reduces manual evaluation effort, and enables adaptive learning from continuously updated datasets for reliable outcome forecasting across multiple application domains. Accompanied Drawing [FIGS. 1-2]

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