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<p>(51) International classification :G06Q0030020000, G06Q0050160000, G06Q0010040000, G16B0040000000, G06Q0040060000</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 : 1)N.BALARAMAN Address of Applicant :St. Martin’s Engineering College, Sy No. 98 & 100, Dhulapally Road, Dhulapally, Kompally, Secunderabad, Telangana-500100. ----- 2)Dr. SRINIVAS GOSKONDA 3)Dr. SURESH BABU BALUGURI 4)VASAVI CHERUKU 5)VANAJA GOSTY 6)Dr. B. RAJALINGAM 7)APPARNA ALLADA 8)S. KIRANKUMAR Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)N.BALARAMAN Address of Applicant :St. Martin’s Engineering College, Sy No. 98 & 100, Dhulapally Road, Dhulapally, Kompally, Secunderabad, Telangana-500100. ----- 2)Dr. SRINIVAS GOSKONDA Address of Applicant :Geetangali College of Engineering and Technology, Cheeryal Village, Keesara Mandal, Hyderabad, Telangana 501301 ----- 3)Dr. SURESH BABU BALUGURI Address of Applicant :Sreyas Institute of Engineering and Technology, Tattiannaram, GSI Rd, beside INDU ARANYA HARITHA, Bandlaguda, Nagole, Hyderabad, Telangana 500068 ----- 4)VASAVI CHERUKU Address of Applicant :Sreyas Institute of Engineering and Technology, Tattiannaram, Bandlaguda, Nagole, Hyderabad, Telangana 500068 ----- 5)VANAJA GOSTY Address of Applicant :Sreyas Institute of Engineering and Technology, Tattiannaram, GSI Rd, beside INDU ARANYA HARITHA, Bandlaguda, Nagole, Hyderabad, Telangana 500068 ----- 6)Dr. B. RAJALINGAM Address of Applicant :St. Martin’s Engineering College, Sy No. 98 & 100, Dhulapally Road, Dhulapally, Kompally, Secunderabad, Telangana-500100. ----- 7)APPARNA ALLADA Address of Applicant :Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, Vijayawada, Andhra Pradesh 521356 ----- 8)S. KIRANKUMAR Address of Applicant :St. Martin’s Engineering College, Sy No. 98 & 100, Dhulapally Road, Dhulapally, Kompally, Secunderabad, Telangana-500100. -----</p>
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(57) Abstract :

In this patent, the author first analyzes the major factors affecting housing prices with Spearman correlation coefficient, selects significant factors influencing general housing prices, and conducts a combined analysis algorithm. Then, in this invention establishes a multiple linear regression model for housing price prediction and applies the data set of real estate prices in Boston to test the method. Through the data analysis and test in this paper, it can be summarized that the multiple linear regression model can effectively predict and analyze the housing price to some extent, while the algorithm can still be improved through more advanced machine learning methods.

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