

(54) Title of the invention : SOFTWARE BUG PREDICTION SYSTEM USING NLP AND MACHINE LEARNING TECHNOLOGY

<p>(51) International classification :G06N0020000000, G06F0040300000, G06F0011360000, G06F0009500000, H04L0012460000</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)Koneru Lakshmaiah Education Foundation Address of Applicant :Koneru Lakshmaiah Education Foundation, Deemed to be University, Aziz Nagar, Hyderabad-500075, Telangana, India. Hyderabad -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)R. Mamatha Address of Applicant :Department of Computer Science and Engineering, Koneru Lakshmaiah Education Foundation, Deemed to be University, Aziz Nagar, Hyderabad- 500075, Telangana, India. Hyderabad -----</p> <p>2)Dr. P. Lalitha Surya Kumari Address of Applicant :Professor, Department of Computer Science and Engineering, Koneru Lakshmaiah Education Foundation, Deemed to be University, Aziz Nagar, Hyderabad-500075, Telangana, India. Hyderabad -----</p> <p>3)Dr. A. Sharada Address of Applicant :Professor, Department of Computer Science and Engineering, G. Narayanamma Institute of Technology & Science, Hyderabad-500104, Telangana, India. Hyderabad -----</p>
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(57) Abstract :
 Software Bug Prediction System using NLP and Machine Learning Technology The present disclosure proposes a system (100) that assigns task based on the bug-resolving capacity of the team member using the Machine Learning technique. The software bug prediction system (100) comprises a computing device (102) having a processor (104) and a memory (106) for storing and executing multiple instructions. The processor (104) is configured to execute plurality of modules (108) that includes a data acquisition module (110), a splitting module (112), a stemming module (114) and an identification module (116). The proposed system (100) assigns new task automatically by the team lead or manager. The proposed system (100) finds appropriate candidate for assigning task. The proposed system (100) aids to phrase the information which can be used to apply to take the decision to assign a new task.

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