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(71)**Name of Applicant :**
1)HEMA SREE MACHAVARAPU
Address of Applicant :DEPT. OF INFORMATION TECHNOLOGY, G NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE, HYDERABAD-500008, TELANGANA ---------- ----------
2)VENKATA RAO MACHAVARAPU
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)HEMA SREE MACHAVARAPU
Address of Applicant :DEPT. OF INFORMATION TECHNOLOGY, G NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE, HYDERABAD-500008, TELANGANA ---------- ----------
2)VENKATA RAO MACHAVARAPU
Address of Applicant :ASSOCIATE VICE PRESIDENT, SUNSOFT SOLUTIONS INC., GACHIBOWLI, HYDERABAD. TELANGANA-500032 ---------- ----------

(57) Abstract :
METHOD AND SYSTEM FOR PROVIDING ARTIFICIAL INTELLIGENCE (AI) TECHNIQUES FOR ADAPTIVE PERSONALIZED RECOMMENDATIONS ABSTRACT The present invention is an artificial intelligence-based solution for adaptive personalized recommendations. It consists of a data preprocessing module to extract relevant features from user data. A reinforcement learning agent utilizes reinforcement learning algorithms to learn optimal recommendation policies based on the preprocessed data. The recommendation engine applies the learned policies to user contexts, generating personalized recommendations tailored to individual preferences. A feedback analysis module evaluates user feedback, enabling the updating of recommendation policies for improved future recommendations. The system combines data preprocessing, reinforcement learning, recommendation generation, and feedback analysis to deliver adaptive personalized recommendations. It leverages artificial intelligence techniques to understand user preferences, adapt to changing user contexts, and continuously enhance the recommendation process. By incorporating user feedback, the system ensures continuous learning and improvement, providing a more personalized and satisfactory user experience.

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