

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341050282 A

(19) INDIA

(22) Date of filing of Application :26/07/2023

(43) Publication Date : 01/09/2023

(54) Title of the invention : INTELLIGENT AGENT BASED JOB SEARCH SYSTEM

(51) International classification : G06Q0010100000, G06Q0010060000, G11C0015040000, G99Z0099000000, B62D0031000000  
(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

(71)Name of Applicant :  
**1)St. Martin's Engineering College**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
Name of Applicant : NA  
Address of Applicant : NA  
(72)Name of Inventor :  
**1)Dr. B. Rajalingam Associate Professor, CSE**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
**2)Dr. Sanjay Kumar Suman Professor ECE and Dean R&D**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
**3)K. Ganapathibabu Assistant Professor, CSE**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
**4)Dr. P Santosh Kumar Patra Professor, Dept. of CSE**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
**5)Dr. R. Santhoshkumar Associate Professor and Head, CSE**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
**6)Tajish Balodi Student CSE**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
**7)Gunda Sujith Student CSE**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
**8)Ega Lokesh Reddy Student CSE**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
**9)Abhijeet Varma Student CSE**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
**10)Jetti Yashwanth Kumar Student CSE**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
**11)Navepet Nagesh Kumar Student CSE**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
**12)Kallagunta Venkat Student CSE**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
**13)Anumula Vinay Student CSE**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
**14)Kaiba Shriya Student CSE**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....  
**15)Ontela Satvika Student CSE**  
Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad .....

(57) Abstract :

In today's global economy, the challenge associated with finding a job is amplified by the technicalities associated with the Job search process. Normally when we want to apply for a job, we search the newspatents, listen to radio and television broadcasts that may advertise vacancies, register ourselves with many job search sites such as Academickeys.com, Monster.com, Careerbuilder.com and so on. Many employers do not directly register themselves with these mediums to provide full details of their job specifications but instead post important details on their company's website only. Therefore we do not always get to know all the vacancies, the nature and status of the employer to decide if this is the sort of job that is being sought for. Also at times we get flattered by the company's profile but don't get information about the rating of the company by the existing or past employee in terms of salary and so. Taking all these into consideration we propose to develop an intelligent agent (instead of a human agent)[1-3] to perform the same search operations by interacting with the employer and job search coordinator agents. We propose to use an agent based utility concept to provide suitability profiling based on configurable factors such as distance from work, days and shift requirements, work environment, safety and hazard considerations, remuneration, skill-set, etc. The proposed system would be based on the ANDROID, JADE, LEAP technologies to provide mobile and web based accessibility. These agents would function based on fuzzy preference rules, to make a proper decision in getting a list of jobs corresponding to the user desired specification. The patent is organized in sections as follows. Section 2 provides details on Agent Based Systems, Ontology Agent Based Utility and Job search theory with motivation towards developing an Agent based Job Search system. Section 3 gives details on the Intelligent Job Search System with fuzzy preferences. Section 4 gives the implementation details on JADE-LEAP[4-5] and Android 2.2 with Google Maps API.

No. of Pages : 14 No. of Claims : 5