April - June © 2022 Transactions; 9(34): 2401-2404

International Journal of Research and Applications

ISSN (online): 2349-0020 ISSN (print): 2394-4544 http://www.ijraonline.com/

Research Article

Open Smart Virtual Class Room: Extensible and Scalable Learning System in Smart Space

K. Bhaskar Babu

Corresponding Author:
kbhaskar80@gmail.com

DOI:
https://zenodo.org/records/15242978

Manuscript:
Received: 11th Mar, 2022
Accepted: 29th Mar, 2022
Published: 18th Apr, 2022

Publisher:
Adviata Innovative research Association
https://airaacademy.com/

ABSTRACT

E-Learning, as a significant modern education and learning approach and tool, is defined as learning activities performed over electronic devices Virtual universities are becoming strongly networked and fundamental changes in the organization of education are occurring. we are going to give the real time interactive virtual classroom with tele education experience, which is an important approach in distance learning. However, most current systems fail to meet new challenges in extensibility and scalability, which mainly lie with three issues. First, open system architecture is required to better support the integration of increasing human-computer interfaces and personal mobile devices in the classroom. Second, the learning system should facilitate opening its interfaces, which will help easy deployment that copes with different circumstances and allows other learning systems to talk to each other. Third, problems emerge on binding existing systems of classrooms together in different places or even different countries such as tackling systems intercommunication and distant intercultural learning in different languages. To address these issues, we build a an application called Open Smart Classroom built on our software infrastructure based on the multiagent system architecture using Web Service technology in Smart Space.

Keywords: Pervasive computing, computer uses in education, Web-based services

Asst Professor, Dept., of Computer Science and Engineering, Vaagdevi Engineering College, Affiliated to JNTUH, Hanamkonda, Warangal-506005, Telangana State, India.

IJRA - Year of 2022 Transactions:
Month: April - June
Volume – 9, Issue – 34, Page No's: 2401-2404
Subject Stream: Computers

Paper Communication: Author Direct
Paper Reference Id: IJRA-2022: 9(34)2401-2404