

Queuing System Using Fuzzy Graph for Social Distance in a Hospital

P. Ilakkiya

Department of Mathematics, Auxilium College of Arts and Science for Women, Regunathapuram, India

*Corresponding author: ilakkiakavi94@gmail.com

ABSTRACT

Fuzzy graph theory has several applications. In this article, a queue system which consists of the patient in a hospital to compute in fuzzy graph. Fuzzy graph contained vertices and edges with membership value. Vertices denoted by patient and edges denoted by distance between the two patients. Waiting lines and service systems are very familiar and indispensable part of our life. Many valuable applications of the queuing theory, every queuing model is central problem. A new fuzzy approach to queuing system is presented to address the central estimation issue.

Keywords: Fuzzy graph, Queuing theory, Membership value

