MODELING A PROTOCOL USING COLOURED PETRI NETS

VEENA BHARTI[1] & SACHIN KUMAR[2]

[1]Assistant Professor MCA Department, RKGIT Ghaziabad, India

[2]Professor CS Department, AKGEC Ghaziabad, India

ABSTRACT

As a method of system modeling, Coloured Petri nets occupy an essential position in the fields of discrete events and dynamic systems. It is an important tool for concurrent system modeling and analysis. It is a combination model that can be represented by graph; it can express relations of concurrency, sequence, synchronization in system by a visual way. This paper analyzed simple protocol using Colored Petri net. Firstly, the definition of Colored Petri net was introduced, secondly, the working principle of simple protocol was described, and finally this paper model the simple protocol using coloured Petri nets.

KEYWORDS: Coloured Petri nets, CPNTool, Occurence Graph, State Table.