



IMPLEMENTATION OF OPEN SHORTEST PATH FIRST USING INTERNET PROTOCOL VERSION 6

^{1,2} **Blessing Chiadikobi & Prince Oghenekaro Asagba**

^{1,2} Department of Computer Science,
University of Port Harcourt, Rivers State, Nigeria

Abstract

Open Shortest Path First (OSPF) is one of the routing protocols used by a router to dynamically determine the route of a packet (user information) through an internet work. This paper looked at an Inter-Campus network system which was Configuration using IP Version 6 to Implement Open Shortest Path First. The methodology adopted for this research was the Object Oriented Analysis and Design Model (OOADM) and the Inter-Campus network system was designed using Cisco technology. In this paper, OSPF was used to test-run its features and performance in IPversion6.

Keywords: Wide Area Network (WAN), OSPF, Protocol, IP Address.