

ABSTRACT

Communication network construct to pick up capability and ability telecommunication connection. From here arise some needed for information allocation technique at network to service a number of calls. Adaptive network can make a decision which alternative route at channel that have traffic load lean unpredictable and congest, because the monitoring of available path condition always check at each node, where the verify process held by periodic with decided time.

In this final project we make some simulation route decision based on network status information for trunk residual capacity. The network performance get better by choosing alternative route that have biggest residual capacity. The input is traffic data, number channel between exchange and link that in use, end then the output is route table that ready to use. The route determination use adaptive network model centralized algorithm with direct route and non-direct route method