

VIVEKANANDA INSTITUTE OF TECHNOLOGY

(Visvesvaraya Technological University, Belgaum)

Gudimavu, Kumbalagodu, Kengeri Hobli

BANGLORE-560074



PROJECT REPORT ON

REQUEST BASED BANDWIDTH ALLOCATION

SPONSORED BY

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

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ABSTRACT

Let us consider a case where the network used by us has been allotted a specific amount of bandwidth, say 128kbps. We may not utilize the entire bandwidth irrespective of the amount of work done using the network. Let us say the bandwidth used by us does not exceed 100kbps. Now what happens to the remaining unused 28kbps? If a similar case were to occur in a large network, there would be unnecessary bandwidth wastage that will in turn make the cost unbearable.

The goal of this project is to utilize the spare bandwidth available in a network for transmission of data. Spare Bandwidth techniques are an important part of the project.

The major advantage of this project is cost savings and greater utilization of bandwidth.