

VISVESWARAIAH TECHNOLOGICAL UNIVERSITY
BELGAUM



**A
PROJECT REPORT
ON**

**“A priority based MAC scheduling algorithm for enhancing QOS using
blue tooth Pico net”**

**SPONSORED BY: KARNATAKA STATE COUNCIL FOR SCIENCE AND
TECHNOLOGY**

Submitted in partial fulfillment for the Award of Bachelor's degree in
Electronics and Communication Engineering

Project Associates

Deepti.Navile	-	3PG06EC008
Nanda.B.Yalamali	-	3PG06EC017
GirjaChetana	-	3PG05EC016
Pushpa.Chalavadi	-	3PG05EC037

Under the Guidance of

Mr.Guruprasad.H.M

M.Tech

Department of Electronics and Communication Engineering

During the session-2009-2010



PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY

T.B.DAM - HOSPET - 583201, KARNATAKA

Approved by A.I.C.T.E New Delhi

ABSTRACT

The IEEE 2009 New Scheduling algorithm for which enhance QOS Support in Bluetooth piconet to categorise all slaves into two classes & assign Priorities to them to schedule slaves efficiently & define token counter to estimate traffic of real time slaves & apply a binary exponential back off mechanism for best effort slaves to decrease the frequency of polling idle slaves. It's objective is to achieve high channel utilization. It is very challenging to provide QOS support for different connections due to the feature of master driven TDD. This paper address the issue of how to enhance QOS support in a Bluetooth Pico net better than Round Robin algorithm. It increases channel utilization & decrease the time delay. It decrease the channel bandwidth wastage caused by polling idle slaves with applying a binary exponential back off mechanism for best effort slaves.