Three students design the modern digital telephone system with VOIP

Mousumi Deb & Mostafa Moonir Shawrav



Karim and Fahad

IT was in 1992 that both Bangladesh and India decided to discard their analog telephone systems and switch to Digital. Bangladesh bought the total setup from Ericsson and ALCATEL which is one of the best setups currently in the world, while India decided to use own resources.

Some students and teachers from IIT, Kanpur, designed the digital system for India. Initially that was not comparable to the Bangladeshi system for obvious reasons. Till 1998 they could not provide internet support with the telephone. But they were continuously trying to upgrade their system.

Now in 2006, scenario has undergone some change. Possessing their own updated system similar to the setup of Ericsson, Indians aren't ready to pay any money to foreign countries.

On the contrary, where are we? Still dependant on Ericsson's system, we keep paying royalty fees to them. Even we cannot do without their engineers to rectify any technical problems. We need to pay the repairing charges as well.

A 3-member group of American International University-Bangladesh (AIUB) students has ably come forward to match the Indian grace. They took the challenge, and would you believe it: they designed the same thing what India did. **Fahad Nasser Chowdhury, Abu Ali Karim** and **Mahbubur Rahman Mukul,** three engineers designed this as part of their final year research project.

The fruit of their research is a wonderful digital telephony system with integrated VOIP support and compatible to other telephony system. The terminologies, system architecture and the technology have been solely developed by them. It is compatible with other local telecommunication service providers which makes it even more adaptable and acceptable.

Their design has some unique features which is really an astonishing achievement considering the constraints in a country like Bangladesh.

INTEL INDX : Featuring ultra intelligent decision making chip

The primary job of this chip is to smartly monitor, judge, decide and then properly route the call through the available lines on the basis of higher priority. That means the person making the call first will get the higher priority.



Mukul

Good to know...

- If a statue of a person in the park on a horse has both front legs in the air, the person died in battle. If the horse has one front leg in the air, the person died as a result of wounds received in battle. If the horse has a all four legs on the ground, the person died of natural causes.
- What do bullet proof vests, fire escapes, windshield wipers and laser printers all have in common?
  Ans. - All invented by women.
- A crocodile cannot stick its tongue out.
- A snail can sleep for three years.
- Question - This is the only food that doesn't spoil. What is this?
  Ans. - Honey
- All polar bears are left handed.
- American Airlines saved $40,000 in 1987 by
- eliminating one olive from each salad served in first-class.
  Butterflies taste with their feet.
- Elephants are the only animals that can't jump.

- Sent by Adnan