Role of various Computer & Android Applications used in Higher Education

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ABSTRACT *This research paper highlights on the realities of different kinds of computer applications which are used in teaching methods and techniques in higher studies in India. Since last decades we have seen that board and chalk and dusters are getting replaced by projectors and lessor pointed devices with wireless facilitate equipment like Bluetooth remote, wifi remote, mobile witch remote for nokia n series, android based wireless remote [like remote pc] and many more free as well as affordable price of paid application too which are costs less or zero to any of the presenter who is presenting their valuable presentation.*

Introduction: In the present era application is perfect for business as well as for your own enjoyment. Now you can easily remote control your PowerPoint presentations, Mouse Cursor or simply explore the content of your computer directly from your mobile phone.Tones of handy features will be available after installing the software. You will be able to change the tracks and videos played on Media Player or Winamp, browse for artists, albums or adjust the volume. The application will also give you remote access to programs such as Windows Explorer, Internet Explorer or Firefox. In the same time you will be able to Run commands on your computer or send text messages to your desktop. The program consists of two parts - the client and the server (both being written in Java). The former is located into a J2ME capable mobile phone with Bluetooth capabilities while the latter is placed in the computer you wish to remotely control with wifi supported devices too for long range covered. So, all you need for this software to run is a mobile phone with Bluetooth™ support and a Bluetooth dongle [external or internal] installed on your computer.

What is client / server technology?
Client/server architecture is a computing model in which the server hosts, delivers and manages most of the resources and services to be consumed by the client. This type of architecture has one or more client computers connected to a central server over a network or Internet connection. This system shares computing resources.
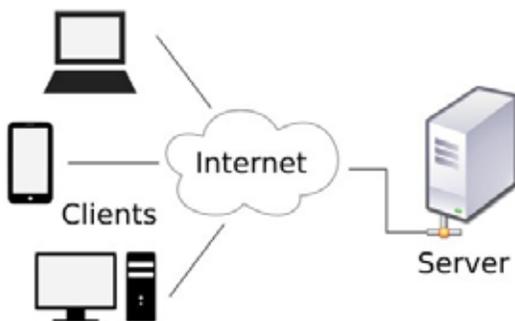
Client/server architecture may also be referred to as a networking computing model because all the requests and services are delivered over a network and same concept is being used in this paper to establish connection between

mobile and laptop.

Compatibility & Hardware Software Requirements:
- Computer/Laptop with any OS.

- Bluetooth device internal/external.

- Bluetooth compatible mobile device (eg. Samsung tab 2).

- Android remote pc& client for mobile

- Download for PC server (http://www.androidremotepc.com/downloads/server/v1.04/remotepcserver-v1.04.msi)for windows 1.2mb

- Download for mobile Client (https://play.google.com/store/apps/details?id=cz.rozkovec.android)free version without wifi support (https://play.google.com/store/apps/details?id=cz.rozkovec.remotedesktop) paid version of Rs.80/- with wifi support

Server Finding & Pairing:

Step 8   Step 9

Step 9.1
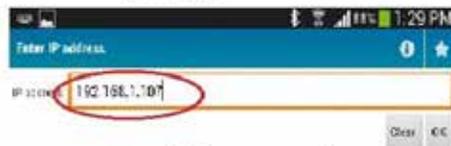
Step 10 wifi connection

Step 11

Step 12

Step 1: Start the PC Server application first.

Step 2: Check at the right bottom side that server is running.

Step 3: Start installed client application from android applications.

Step 4: There are 2 options using which to connect with Bluetooth / wifi [wifi option will only come in paid application]

Step 5: Select Bluetooth connection first and then scan for server which we have already been started in pc.

Step 6: Gives two option whichever you want to connect.

Step 7 8 9: Shows connected screen options, the laptop mirror screen & presentation options respectively.

Step 10: Asks to connect wifi laptop ip address to whom it will keep communication and the ip address of the computer could be find from the figure 9.1 by following ipconfig /all command in cmd window.

Step 11: Gives keyboard support to take control of connected machine.

Step 12: Shows the command prompt window of remote pc where whatever you typed in step 11 from the mobile screen that will be printed on the remote machine.

Features:
- Remotely control Mouse, Keyboard, PowerPoint, Winamp, much more.

- Get access to your desktop from your phone

- Bluetooth & Wifi setup free! Simply connect from your phone

- Customize your applications through Keymaps.

- Supports all PC Bluetooth solutions Windows, BlueSoleil and widcomm/Brodacom

Conclusions: Remote PC is a free as well as paid application available as per the user's requirement that can be used to control your computer from distance. The main purpose of this software is to turn your mobile phone into a universal PC remote control which can use in higher education as well as personal use also and saves 2000 or more bucks to buy laser remote hardware to only control presentation.

REFERENCE 1. http://www.androidremotepc.com | 2. http://www.webopedia.com/TERM/C/client_server_architecture.html | 3. http://java.com/en/download/ | 4. http://www.broadcom.com/ | 5. http://www.bluesoleil.com/products/S0001201005190001.html |