CELLULAR CONCEPT: ANTI CONFERENCING AND ANTI RECORDING SYSTEM

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Abstract -- Now a days, mobile phone has become a lifeline of the people. In this proposed paper I have mentioned that we can avoid cellular conferencing system in mobile among connecting network while talking with second person. This paper also represent the anti recording system in cellular unit as the demand of calling or called person. In this proposed work some extra software is used compatible with the cellular device.

Keywords – cellular devices, software for anti conferencing and software for anti recording.

I. INTRODUCTION

A telephone call in which two persons are having communication and wishes to join another person which makes them three is called conference calling. This is also possible on internet as well as telephone. Because one cannot see the people who are involved in the conference call, it is possible for a person to call into a conference call and eavesdrop. So some danger can be occur from other side as a third person is involved with the communication. Third person may be used your call as a hazard and other issue which is not understood by first person.

Same as the recording in a cellular device is done by go to the option menu then select the record the communication call. Recording of any call may be dangerous for us for future prospects for other cellular device user who does not know that his voice has been recorded.

II. METHODS AND USES OF CALLING

1. Conference calling in cellular device:

For connecting a call between two users each mobile uses a separate, temporary radio channel to talk to the cell site. The cell site talks to many mobiles at once, using one channel per mobile. Channels use a pair of frequencies for communication one frequency (the forward link) for transmitting from the cell site and one frequency (the reverse link) for the cell site to receive calls from the users. Radio energy dissipates over distance, so mobiles must stay near the base station to maintain communications. The basic structure of mobile networks includes telephone systems and radio services. Where mobile radio service operates in a closed network and has no access to the telephone system, mobile telephone service allows interconnection to the telephone network.

There are many options like if a calling party likes to invite a person to only listen to the conference that the person may not speak. This is called ATC (Audio Tele-Conference). Apart from this it could also be possible that a calling party calls other person and adds them to the call however a person who wants to join are usually able to call into the conference call themselves with the help of code number assign to them for calling in such conference and for this a special type of equipment is used to link telephone lines.
In this conferencing system A and B are connected together. B is connected with C but A does not know that C is connected. The talking between A and B is silently listened by C. Such as C can connect another person such as D, E and so on and connect call silently without knowing the A and B and remaining of both can listen gossip or something privacy between A and B.

There is one another calling service available in which the first person dial a number of a person to whom he wishes to talk to then the Hook flash button is pressed and another person’s phone number is dialed and while it is ringing flash or recall button is pressed again to connect three personstoggether. This technique is called three-way calling and this option allow us to add a second outgoing call to an already connected call.

2. Anti conferencing system in cellular device:

In anti conferencing cellular system when A and B are connected together and B is connected to another person then A can send a signal with its cellular device with the help of supporting software to the B cellular device to identifies whether B is connected to third person or not. For this purpose mobile user go to its mobile option menu and send a signal at a repeatable interval to identifies the third party conferencing. A find a indication in their cellular device that B is not connected to any other person. If B want to connect any other person without the permission of A then A find a blinking indication in its cellular device. If A is not interested to the conferencing with third party then A can tell to B that B would disconnect the communication with others persons so that any of the other person can not listen their privacy gossip. If person B does not follow this and continue communication then A can disconnect its call.
In this figure A and B are connected together. B want to make a conferencing with another party but A refuses to this. Then B is disconnected the call to the third party as C and continue talking with A.

To avoid the conferencing system with third person, software is used in both of cellular device as in first person and in the second person. This software send a signal with connecting signal to identifies the conferencing system. It also send a signal to first person at regular interval. If no conferencing is done then Green indication is shown and conferencing is done then Red indication is shown. The conferencing can be indicated by the use of beep sound in the cellular device at regular time intervals. This time intervals can be of 5 second or 10 second as the using of the cellular device used by user.

The call can be recorded in the cellular device with go to the option menu then select the option recording form menu option. If A is talking to B and B has opted its recording in cellular device and A does not know about this then A send a signal to the second person to identifies whether b has opted the recording or not. But if B record the talking as opposing the A, then A can tell to B to stop recording otherwise A will disconnect the call. As A tell to B to stop recording same as B can check whether A is recording its call or not. As in anti conferencing system some unique software is used same as some software is used in anti conferencing system in cellular device. It also send a signal to first person at regular intervals. In anti recording system green light is indication of normal calling and blue light is shown that recording is going on. The recording can be indicated by the use of beep sound in the cellular device at regular time intervals. This time intervals can be of 5 second or 10 second as the using of the cellular device used by user.
III CONCLUSIONS

With this cellular device anti conferencing proposed work we can remove any types of malfunction with third party connection. And we can also remove the recording system with other party. This can be very effective in military where only two party can share their secret information without the leakage. By using this technology the cost of cellular device can be minor increased but this technology is efficiently can be used in future prospectors. This technology is also useful for laptops, tablets and desktop system also. The main drawback of this proposed work is that both of the user should be same software facility as anti conferencing and anti recording. If either of cellular device has not this facility then he cannot identify this two techniques. But it is main advantage is that is no extra energy is required to used these two techniques. The cellular device works with the same power as it is required to connect the communication between two users.

REFERENCES