

***A STUDY OF VARIOUS INNOVATIVE APPLICATIONS OF
MOBILE COMPUTING***

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Abstract:

Mobile computing is a process of transferring a data such as text, audio and video via wireless devices without having any physical link. It allows the user to transmit the data from any point of the world having network accessible. Although this is not a new technology but it has a huge future. Mobile computing can be used in any areas such as Companies, Institutes, Government sectors, Private sectors, Crime detection and prevention, etc. The paper throws light on the need of developing various mechanisms in portable devices that can be done by mobile computing. It also highlights the scope of mobile computing.

Keywords:

Mobile computing, scope of mobile computing, applications of Mobile computing.

Introduction:

Mobile computing is a process of transferring a data such as text, audio and video via wireless devices without having any physical link. It allows the user to transmit the data from any point of the world having network accessible. Even though mobile computing is not a new technology but it has a huge future. Mobile computing helps in various real life activities such as providing emergency services, providing education in remote areas and detecting various crimes and taking appropriate actions in public areas. It gives a new definition to the wireless technologies. Internet services with high bandwidth with desktop browsing with exception. Mobile computing has already given proven results such as many services are available on the Internet which helps in education, social awareness, business oriented services and TV, Cell phones are the biggest

examples of data transmission by wireless networks. So it can be better than what we have today since dreams has sky-limit. And technologies are dreams of someone which comes true by executing it in proper manner with all your capabilities.

Need:

A need was felt to develop various mechanisms in portable devices and this made mobile computing a reality. Accessing internet services primarily from wireless devices. Predictions like this are based on the huge growth in the wireless phone market and the success of wireless data services to be witnessed in future.

Methodology:

The secondary sources of data and related study were used.

Innovative applications of Mobile computing:

Mobile computing is the process of human computer interaction activities in which transmission of data takes place. So it can be used in developing following technologies or programs.

1. Women Harassment detection
2. Dynamic action planner in case of emergency services
3. Social awareness messages in rural areas
4. Efficient Education system in remote areas
5. Job opportunities and securities

Mobile Computing in Women harassment detection

It can be used for detecting and catching abnormal activities of the persons in public areas and generating an image of that person and sending them to the authorized persons to handle them.

This can be achieved by keeping watch on the videos generated by CCTV cameras in public areas like markets, fairs, stations, inside buses where the rush can happen. It can be easily noticed by some irregular activities such as woman reactions after victimized, send voice data/ image to the authorized persons so that they can keep a regular watch and if found can be caught

Mobile Computing in dynamic action planner in case of emergency services

Emergency services can be health services, fire related services, accidental related services or where the basic services are required for saving the life, high value objects, etc.

Suppose we found some emergency health services to prevent a life of a person and he/she possibly can't reach the hospital on time they can be provided some videos on how take care with primary resources are available. Or they can be guided with primary steps to be taken with reference to what they got the information via Mobile computing facilities.

Social awareness messages in rural areas

Today also we found that in many rural areas of country like India there are superstitious activities are take place, dowry mechanism is also there, male-dominated family etc. So the people of such areas can be given some videos of making aware them from these things which must be totally banned. So the messages of human being can be reached through Mobile Computing.

Efficient Education system in remote areas

Hopefully education system has started everywhere including remote areas but can we say that it is efficient or it can be better to spread knowledge? In remote areas many people are not getting well education services it can be because of laziness of instructor or he/she is not having enough resources to provide the education as expected. The quality of education can be improved by Mobile Computing. In remote areas, the Live videos/ audios can be provided of well experienced instructor lectures with some live experiments. Finally which will motivate them that what they can do in life by listening or watching the lectures of those personalities which they can't imagine in physical life.

Job opportunities and securities

In the increasing population of countries such as India, competitions are more than that of required. Since where the jobs are not secured since population rate is so high. By using Mobile Computing various jobs can be provided to them such as videos uploading, audio uploading, data updating, reporting, etc. from their own places means no need to travel more. So the employee can work for more time and be more productive. Since the travelling time is saved. This leads to business growth, economic growth of the country. Finally all gets benefited.

Conclusion:

In today era, worlds are interconnected which requires more ideas and techniques to be executed for further growth in terms of quality, economically, cleanliness, moving relationships to the strongest part so war never can happen. Countries which are converting their cities into smart cities are the indication of coming future of mobile computing. By executing such ideas really we have a great world.

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