

Improved Performance on Smart Phone Mechanism

¹Dr.C.Cade, ²Dr.B.Poco

¹Assistant Professor, Department of Computer Science Engineering, Jordan University of Science and Technology, Jordan.

²Professor and Head, Department of Computer Science Engineering, Jordan University of Science and Technology, Jordan.

Abstract

This paper mainly going to discuss about the smart phone mechanism which takes the technology to the advanced level where some of the new methodology are implemented in this paper where it could be less complex and easy to use. Some of the main improvements in the smart phone technologies are battery backup, sensors for prevention, high level security and water proof technology etc. These combinations of technology will take the smart phone to the advanced and foremost level also some of the effective methods are also added in the smart phone to make it best.

Keywords: Smart Phone, Security, Multipurpose.

I. INTRODUCTION

The Smart Phones are becoming popular because it has the main advantage as user friendly, where any kind of persons are can easily operate the smart phone technology and there are different operating systems are available for the smart phones such as Android, IOS, Windows and Symbian etc. Where the each operating system is designed with various codes for example Android OS is developed through the java language and IOS are developed by the MAC Operating System.

The operating system plays the important role in the smart phone mobile system. In previous versions of mobile OS is designed for only calling and messaging purposes. Now a day's multiple usage are occurred in the phones so it takes to the smart phone into step by step. Later the phones are having the capable of browsing internet facilities and while cameras are added to the phone. Now smart phone and improvement of technology takes to higher levels and it is merge with any other systems surrounded.

II. ADVANCEMENT

The advancement of smart phone technology explains that the PDA's are the first evolvement which is only used for the business processes and later it is mingled for a multi-purpose usage that the phone can process business related works and the call/messaging activities, therefore android OS is developed by java language which is cross platform technology & runs independent.

III. SECURITY

The security is the important needed term in the mobile phone technologies and usually mobile phones are locked with the security code which should be in numbers and later multiple alphabets & characters are kept to provide more securable. In the modern android development the patterns are to draw a figure which could easily founded by others, this is the most advanced level of security providing techniques.



Biometric for Mobile Security

The biometric is the system which provides the high level of security and except the mobile user other cannot easily access the phone. So it may be created as the application or inbuilt programs whenever user needs to access the phone he/she have to just drag their thumb on the display of the screen, then it will be automatically opened. If other user tries to access the phone or theft is occurred the whole data will be completely erased. This biometric technology has the highest advantage when it is compared to the other security system provided have less compact.

IV. SELF PREVENTION

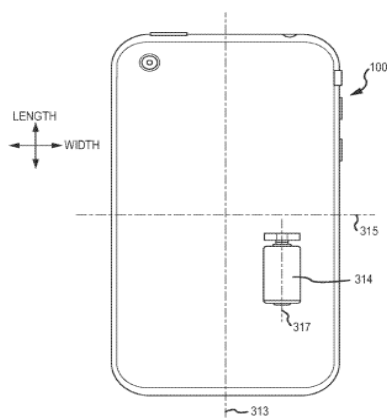
The self prevention technique in the smart phone technology is the new innovation where most of the smart phones are designed with slim and weightless whenever it gets into damage the mobile screens and internal parts will not work properly, usually the maximum number of mobile gets fault by dropping down so a sensor is placed for the phone

which would prevent a protective layer avoid from the damage.

Sensor is placed in the smart phones will sense the free fall motion of the phone to the centre mass of the ground and these will protect the screen without cracking and internal equipment of the phone. This is the most advanced technique applied in the smart phone technology was founded by the apple in the year 2011 but it was introduced in March 2014 on the US patent application of sustainable mechanism for the smart phone environment.

Fletcher Rothkopf, Los Altos, CA (US) (57) ABSTRACT
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An electronic device including a processor, a sensor in communication with the processor and a protective mechanism. The protective mechanism is in communication with the processor and is configured to selectively alter a center of mass of the electronic device. Additionally, the electronic device also includes an enclosure configured to at least partially enclose the processor and the sensor.



Sensor is placed in Phone

V. RECHARGING COMPETENCE

The recharging is one of the relevant in the mobile computing technology where the battery backup storage is necessary need for the mobile devices and today’s mobile phones performance are higher and they need the regular battery supply as while many applications are running continuously such as video call application such as Skype, Fring etc. Some of the mobile phone system has power saving mode technique which is found later which helps battery storage backup for some longer time.



Quick Charging Nano based technology

The above figure shows the quick charging capacitor which can be able to charge a battery in 20 seconds it was developed by the Eesha Khare at the Intel Science & Engineering Fair and this technology could be very useful for the quick recharging system where it has the capability including recharge the cars batteries, where the system by the way of nano molecules which could make the battery for the quick recharge system.

VI. GPS PROGRESSION

GPS is the service for all kind of technologies to find the location on the earth it was developed by the U.S for the defence system later it was become the common for every users for example public and private sectors around the world. Some of the developing countries like China and India has going on satellite launching for the GPS system which could can easily find the object where any place on the earth, now the advanced technology is the surround sense are developed which overcome the GPS technology.

Surround Sense is the new evolution of the GPS technology where the technique can able to record the light, sound and internal walls of the location as the previous technology cannot shows the internal area of the location. But this works in a differently and has capability to observe the inside location of the surrounded area and this technologies work with the advanced microphones and cameras where it have the capability to record all the functions and accelerometer are placed to observe the pattern of user movements.



Surround Sense GPS

VII. MULTIFUNCTION SCHEME

Multifunctional system is the ongoing projects of the mobile phone technology where in the previous days phones are in wired later cordless phones are founded and then step by step it reaches to the mobile computing technologies by adding of features such as camera and messaging services in the modern world of mobile technology smart phones takes the important part by changing the phones into the multipurpose technology through applications or by some other features.



Mobile as TV Remote

The smart phone has some of the most advantage in the modern trends are scanning the human body and it have the capability to check the pressure of the patient. Some other technologies can help the blind person for navigation around the location this facilities' are available on the iphone. Where Smart TV is the recent development of the Apple's production where this television can be controlled by the iphones of the apple and some of developing countries cropping the water for agriculture through mobile phones.

VIII. OVERVIEW

The overview process of the smart phone technology states that all activities that are added to the system which has the advanced level for example multipurpose is one of the essential benefit of the smart phone technology where in India, Egypt and Indonesia etc are all developing countries using for the crop irrigation system. The farmers is not necessary go to land and switch on the motor for the

motors, by simply using the mobile they can activate the motor through the mobile phone by simply calling.

After the motor is switched on for certain hours it will switch off automatically this is useful in the field of irrigation system and quick recharge through the mobile phone also make advancement in the mobile phone technology. By changing of mobile technology into various multipurpose it brings favourable to the human beings.

IX. CONCLUSION

Thus the sustainable improvements are achieved on the smart phone technology through competitions among the companies but this paper purposes some of the new kinds of technologies which can applied to the smart phone which could be easier for every kind of users and most of the mobile phones are created mainly in the basis of UI this makes convenient to the user and new technologies based have the multipurpose characteristics such as using other valuable requirements to be efficiently.

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