MOBILE COMPUTING FOR BEI

TECHNOLOGY

CTAOSOD

ASSIGNMENT-1

1. Apply the special constraints a requirements in mobile os vs conventional os.

I. MEMORY MANAGEMENT:

mobile os:

Mobile devices haves limited RAM and storage Mobile

os uses aggressive memory optimization technoques like

memory compression, background app suspension. I kalling

idle apps to preserve resources.

conventional os:

Desktop systems have composatively higher RAM, allowing mode sitmultaneous processes violated memody o paging asse widely used to handle large applications.

II. PROCESSOR MANAGEMENT / SCHEDULING;

mobile os:

nowe efficiency is a poisoity mobile os uses energy awase scheduling to save battery life processes are

scheduled with a focus on mes ponsiveness o energy * ********* consumption.

conventional os:

ASSAULT OF

Polositizes performance over battley uses complex scheduling algorithms to ensure multitasking a processing power for intensive applications.

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ig- PEVICE MANAGEMENT

mobile 08!

Handles touchsmeens, sensors (gyroscope) accelerometer). and limited has dware intersfaces. Drivers are tightly integrated & optimized too specific hardware.

conventional os:

Manages a borades songe of phosiphesals like pointers, scanners, enternal drivers, etc., and offers more driver customization.

IV. FILE MANA GIEMENT the district of the property of the second

mobile os:

uses simplified file systems and often nestricts uses access for security. File access is soudboxed per Mary and a application.

conventional 08:

Allows users full access to the file system. Supports

complex the operations, used the hierarchy and the external tile system support (NTFS, FAT, etc).

y. SECURITY .

mobile os:

Focuses op app sandboxing, permissions, a secure
boot regular security updates a app stone vetting help
reduce wishs

Conventional 08:

uses antivious fraewalls, 8 uses paivilege management.

Morae vulneable due to open fine systems 9 enecutable

downloads from various sources

the mant grow a collection of the state of the state of

and the second of the second

VI . OTHER FUNCTIONS:

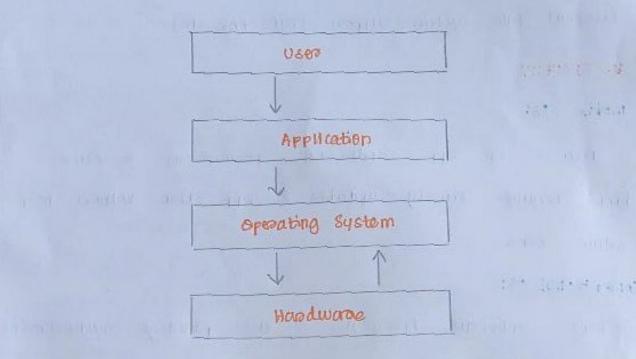
mobile 08:

Emphasizes power management, natwork handover ! !

conventional os:

supports high end graphics, multitasking, software development environments, and networking tools with fewer power constraints.

MOBILE OS:



Justify the mobile operating system functions & its features in Android of Iphone & windows of with respect to the given teams.

I FASY TO USE

Android DS:

offers ustomizable uses interfaces, widgets o loundness, making it flexible for different users. Android provides easy natigation through gestures and app conditional to the condition of the property of the state Loanes eganisation.

iPhone 108:

known for its simplicity and consistency across devices

Intuitive design with minimal learning wove makes it highly uses-friendly, especially for new users.

Windows Os :

clean and tile based introface. Easy to navigate but less flexible composed to madroid 9 ios. Irmited uses base due to its discontinuation.

2 GOOD APP STORE:

Androold os:

enough Play Stone has a wide vocinety of force and paid apps open source natural arrows third posty app stones like Amazon Appstone, giving uses mome choicus.

apps while It has fewer apps than Android, the apps were generally more secure 9 optimized.

windows os:

windows stope had a lumited number of apps. App availability a developes suppost were low, which led to its month decline

3 GOOD BATTERY LIFE:

Androoid 08:

Eathboy life varies by device, but newer Andoreid version include features like adaptive battery, dank mode, a background app neutricition for botton power management.

iPhone los:

ies devices are optimized too profoomance a battery life reatures like Low Power mode, battery health. moniteding, a efficient hoodware software integration. improve longevity.

was optimized well for bothlog who on supported devices, but lack of updates & modern features comited its efficiency in comparison to Andord 9 105

+ DATA USAGE 9 DEMANISATION:

Android 081

Allows users to monoton a mestalet background data usage evitt-in file manager o data saver options provide better until and organization of data.

Phone You

offers automatic data organization with apps I cloud syncing. Porta usuge can be monitored through settings with options to restrict background activity.

windows os:

Included basic data management teatures, such as pata senso a file management apps, but tacked the advanced data control teatures in Android 9 ios.