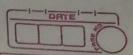
Peitam Mogal TE (B)-17 Assignment No.11 Study Assignment on process shedwing algorithms in Android and Tizen. objectives: 1. To understand Android as To understand Tizen 2. Problem statement: - Study assignment on process management. eheduling algorithm in Android and Tizen: 3. Outcomes. After completion of this assignment students will able to :- Knowledge of Android and fizen as - Study of process management in android and fizen os - Application of android and tizen 0s. 4. Boffware requirements: - Android SDK 5. Hardware Requirement: - M/c Lenovo Think centre 14700 (13, 6100,6th Gen, 481,44B RAM, 500 aB HDP. 6. Theory concepts:-Android os: - Android is a mobile operating system developed by Google, basen on a modified version of the linux kernel and other Than open source software and designed smartphones and tablets. In addition, Google has Burther developed Android TV for televisions,
Android Auto for cars, and Android Wear for wish watches, each with specifized user interface. Variants of Android are also used on game Console, digital cameras, PCs and other electronic.

1	I DATE
	Rome android versions:
	· Angbread (23)
	Honey comb (3.0)
	· Ice cream Sandwitch (4.0)
	Jelly Bean (4.3/4.2/4.1)
	· Kitkat (4.4)
4	· Lollipop (5-0)
1000	· March ngallow (6,0)
	· Nougat (7.0)
3.0	· Oreo (8.0)
	A Secretary of the side that 2 hours
4	Advantages:
	1. Support 20830 graphics
	2. Suppost multiple language.
	3. Java support
	Maint mount & Maintenance & Dynamic College
	Disadrantages!
	1. slow response
100	2. Heat
	3. Advertisement etc.
	o constant developed by and by
	Tizen Os: :-
	-Tizen is a mobile operating system developed
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1990	oully und genice. Indiana convertations as a first
	The man mont (111)
1011	television : emast comment (141) devices; smart
	telension, smart camera's; smart watches
	THE TOTAL DILLINGS OF THE PARTY
300 3	
	In 2010 Samsung was developing the samsung linux platform (SL) for the
	110142 platform (SL) for the Time building
	I'mux platform (SL) for the Limo foundation.



- on January 1, 2012, thre Limo Foundation was renamed Tizen Association. The Tizen Association works closely with the Linux Foundation, which supports the Tizen open source project.

April 30, 2012: Tizen loreleased

· February 18, 2013: Tizen 2.0 released

· May 20, 2017 : Tizen 3.0 released.

Android vs Tizen Operating system:
- Easy and Convinient Navigation: Scrolling and nangation becomes emooth with Tizen.

· Fast & lightweight: - Tizen operating system is easy to operate and fast as compared to acogle's Android Wear.

· Battery consumption: Samsung's denier with Tizen 05 consumes less powerthan Android derices according to mobile experts.

Advantages of using Tizen 0s:

This open source operating System.

The Tizen os' is so flexible to offer many applications and adpt too; with little changes.

Process sheduling Algorithms in android and Tizenos:-

- Normal Sheduting:

Android is based on Linux and uses the Linux Kernel's sheduling mechanisms for determining and threads The Linux's time striced sheduling policy combines static and dynamic priorities.
Processes can be given an initial priority from 19 to -20 Crery low to very high priority).

Real time sheduling:
The Standard Linux Kernel provides two real-time sheduling policies, schep-FIFO and SHED-RR. The main real time policy is schep_FIFO.

If implements a first-in, first-out scheduling algorithm. When a Shep-FIFO task starts running, it continues to run until it voluntarily yeilds the processor, blocks or is preempted by a higher-priority real-time task,

-Thread sheduling 4 - Niceness values

· Control Groups (Cgroups) Niceness Values · a thread with a higher niceness value will run less often than those with a lower niceness volue (this sound paradoxical).

- Priority Based Pre-emptire Task Scheduling for Android operating System:
The Key concept present in any operating system which allows the system to support multitasking. muliprocessing etc. in Task sheduling. Task sheduling is the core which Trefers to the way the different processes are allowed to share the common cpu.

- Pynamic priority pre-emptive sheduling earliest deadline first sheduling: a job: priority is inversely proportional to its absolute deadline. The difference between deadline monotonic sheduling.

Conclusion: - Thus, I have studied conceps of process scheduling of Android and Tize os.