## ASSIGNMENT NO. 4 (\*) TITLE: Study assignment on process schedule in Android (\*) OBJECTIVES: study about scheduling process in Android (\*) HARDWARE AND SOFTWARE REQUIREMENTS: PC, Web Browser etc. Android mobile operating system which is based on Linux Kernel 2.6, has open source license & adaptability to user driven application. As all other os it has the basic features like process scheduling memory management, process management etc. Any mobile platform works smoothly when the process scheduling is performed in a proper way. @ PREEMPTIVE TASK SCHEDULING: Task scheduling is the core which refers to the way different processes are allowed to share the common CPU scheduler and dispatcher are the software which helps to carry out this assignments. algorithm as it is based on linux kernel 2.6. Therefore the scheduler names as completely fair scheduler as the process can schedule, nithin a constant amount

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of time regardless of how many processes are running It involves interrupting the low priority task when high priority task are present in the queue . It is particularly used for mobile 0.5 as the CPV utilization is medium turnaround time à response time is high. nobile phones are required to thist specific time deadlines for tasks to occur @ Experimental steps: There are steps implemented to achieve the fixed priority preemptive task scheduling is described Step 1: The application would first register to the class called listActivity that displays a list items by binding to a data soutce such as an array or cursor & exposes event handles when the user selects on items Step 2: The application would show an interface by which the user can set priority to certain contacts as (High'& others will be kept as default. step 3: In case there is BMS from high priority person while some activity is running on the phone, that message being sent by the high prioritized person, will get finished or active screen step 4: At same time this particular message will be redirected & stored in priority manager inbox as well as default inbox! step 5: if SMS is received from the contacts which are default priority contacts; then no running activity

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	step 6: Android Broadcast Receiver class could be used
	Step 6: Android Broadcast Receiver all and detault inbox.
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	step + . The Broad cast Bossiss al
	Step 7: The Broad cast Receiver class would be used for this
	Application.
- 11	step q: A file will be services.
	A file will have
	Step q: A file will be created which will act as an interme-
7/	diate messager blow the different classes as well as
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( <u>*</u>	PROCESS SCHEDULING IN TIZEN:
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	as smartphones tablets, invehicle infotainment devices such smart TVG PCS smart carneras, wearable computing  Blue-ray players, printers & smart phone.
	Blue-ray compart cameras, wearable computing
	Blue-ray players, printers & smart phone, home
	apparances etc.
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	STEPS:
	Display the list of Running application.
	a gelected application
3	Monitor the resources used by
(u)	petermine the battery level.
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	Model Name. Galaxy 53. RD-PQ.
27.14	Processor samsung Exynos 44/2.
	CORE Quad core 1.4 GHZ cortex-A9
ist a	PAM 1 GB Mobile DDR2.
	Display 4.8 inch HD AMOLED
- Stacks	sensors. Gyro, Proximity, Compass.
20 1	storage emm ( 32 GB. emm C 16 GB.
	kernel linux 3.0.3/. linux 3.0.15
	Platform Android 4:1.2 Tizen 2-2.1.
	selite. 3.7.14.
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(A)	CONCLUSION !
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