## MOBILE COMPUTING ASSIGNMENT-II

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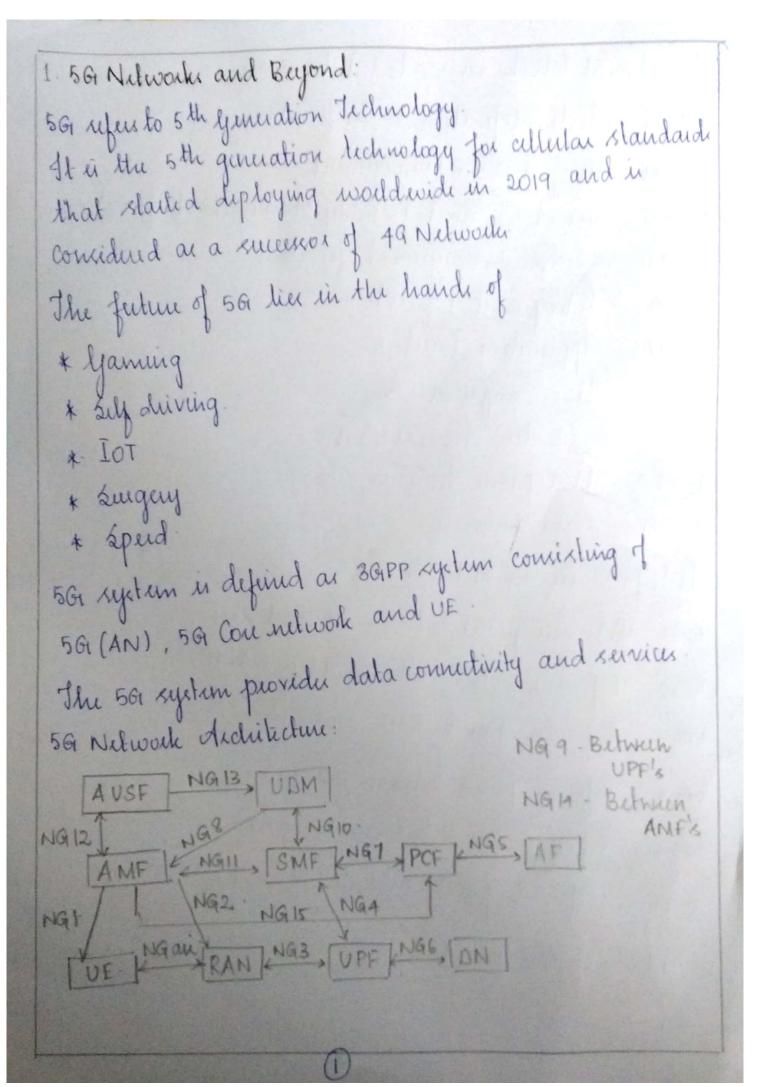
Branch & Suc: III rd Yr 5th Sem CSE C' Section

Roll no: 143

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Lubject: Mobile Computing - IT18502

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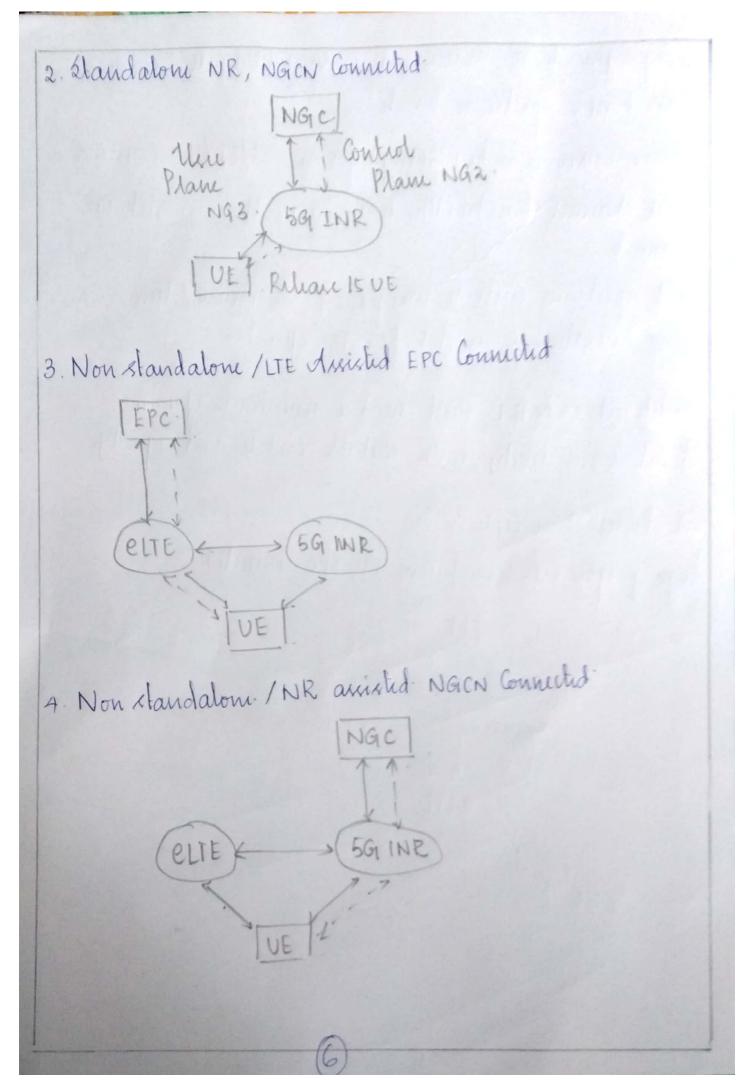
	mal Block in 56 Architecture au
A AUSF	Authentification server function
k UDM -	Unified Data Management
* AMF	- Cose Access and Mobility Management
* SMF	- Quiton Management femons
* PCF -	Policy Control function
* AF-	application function
* UE -	Use Equipment
	1 - (Radio) docers Network
	- Mu plane function
k DN -	Data Network
Aulula	in 59 Network du
NG1 -	Promuse point between UE and AMF.
	Ryennu point between RAN & AMP
NG2	Ryeumu product RAN and UPF
NG13	Reference point RAN and UPF
NG4	Reference point between SMF and UPF.
NG5	Releuna point between PCF & A.
NG6 -	Reference point or
	Refama point between SMF & PCF
NG4	aparine of

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NGTY Reference point between VPCF & hPCF NG 8: Reference point between Unified Data Management and AMT. NG9: Rejeune point between 2 UPF's. NGIO: Réjeuna point between UAM & SMF. NGIII: Réference point between Access & Mobility Management Function 2 SMF. NG12: Reference point between AMF & AUST. NGB: Réjauna point between UDM & AUSF-NG14: Réfama point between 2 AMF's. NG15: Réference point between PCF 2 AMF NGIB: Reference point between two SMF's. ens and gnb eNobe eNodeB (ENB) LE LTE access Notwork Jeons 3GIPP Rel 8 eepto Rel 15 For an INB to connect to a 50 Notwork it would have to be 3GPP relians 15 or above idn enB only supports legacy E-UTRAN interface and dound support ment generation interface

Nent Genuation Node B (gNB) 561 deux Nelworks from 361PP Rel 15 onwarde Node providing NR mer plane and control plane protocol termination towards the UE and commeted vid the NG interface to the 5GC gNB douwt support ligacy E-UTRAN interfaces Adding 501 to an existing multi- RAT macro- este Current muttl-RAT mans cell situ typically have backhaul of 164ps. Capacity is should between RAT's and in many Cares between network shaving partners (MNO's). Lus than IGbpe backhaul is being deployed to support Certain LTE radio configurations (MOGE) 39 MORAN 109t 100M/1GE Not-Shau CIGE?

5G diployment to mano all is very likely to be les than 6GH x spechum bandi Manire MIMO is a key concept for 59 - 32/64/128 + autenna 59 NR channel bandwidthe to be larger than weent LTE Chaunch Most spertrum will be unupained so phase / lim synchibinization is headed for TOD operation Backhaul or NGIFI will hud a minimum of 10GE local connectivity with scalable end to end capacity. 561 dichitectur Options: Legary option 1: Élandalon LTC EPC Connected. EPC Control plane



Non standalone/ITE assisted NGCN. Connected. EPC 39 INR Thu of 561: \* Enhanced Mobile Broad Band & Mission Critical Communication \* Maying IOT