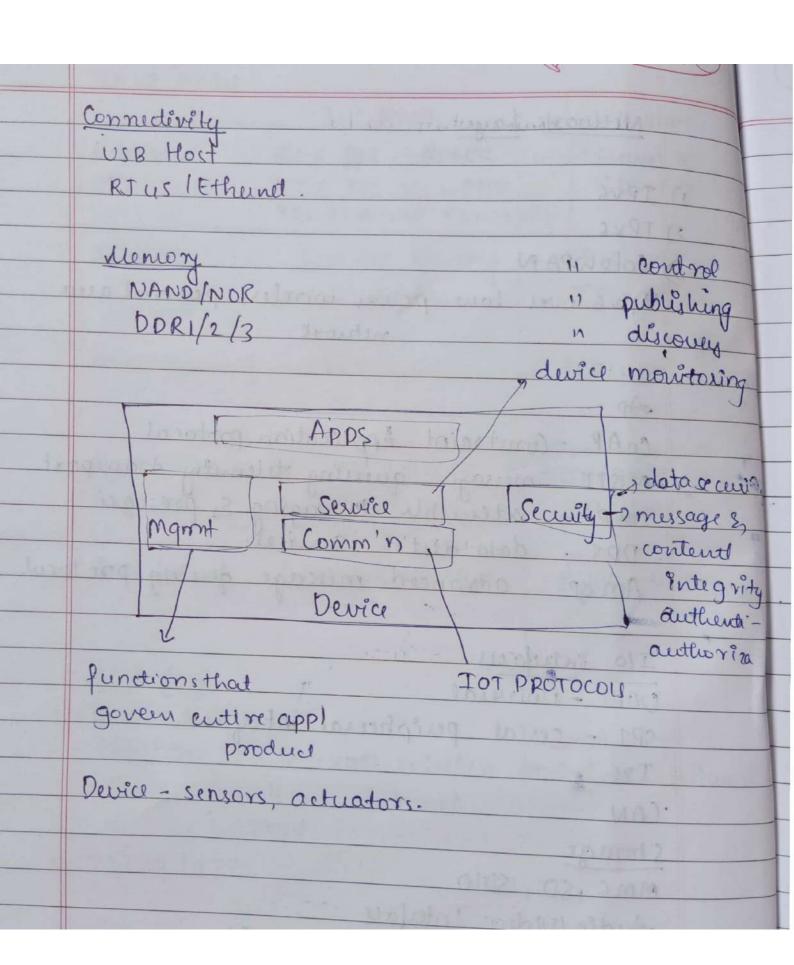
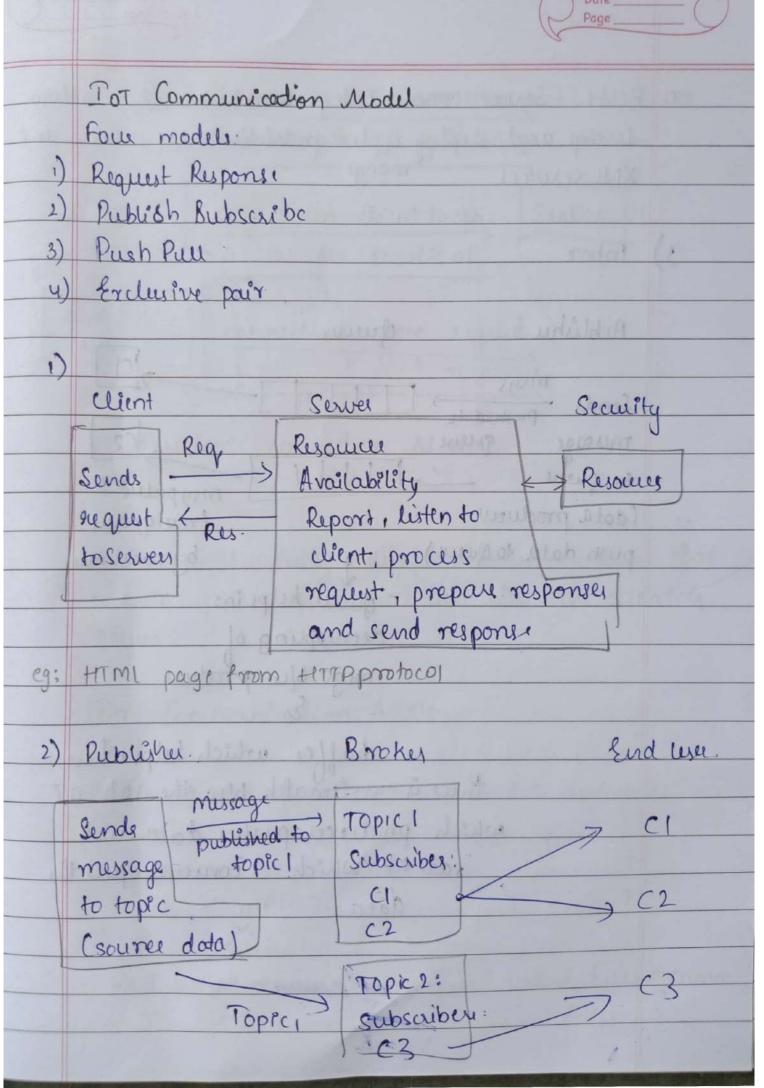
	Date Page
	Futur:
	Smart data
Allen	the street America last proposed to the
	Projection:
dana	2.5 Billian 1201111
	2.5 Billion -> 30 billion
	2022 COCR C-
	CAGR (compound
	(AGR (compound annual growth rate)
	2016 → 2022 16b 30b
	25:54 25053VK 10°1 COCC
	10% CAGR.
mailton	som sapply
	Knowledge > context
	/info > meaning
	Data (Row)
	(array) to the second
- 27	Application: (1)-Agri (2) Automalive (3) Agri (4) Military
	A La with the state of the stat
	Definition:
	Dynamic global network infrastructure with suf
	configuring capabilities based on standard aid
	intra operable communication protocols where
	physical and virtual things have odentitus,
	physical attributes and vertual association.
12714	hitema resilient mumman and us of country

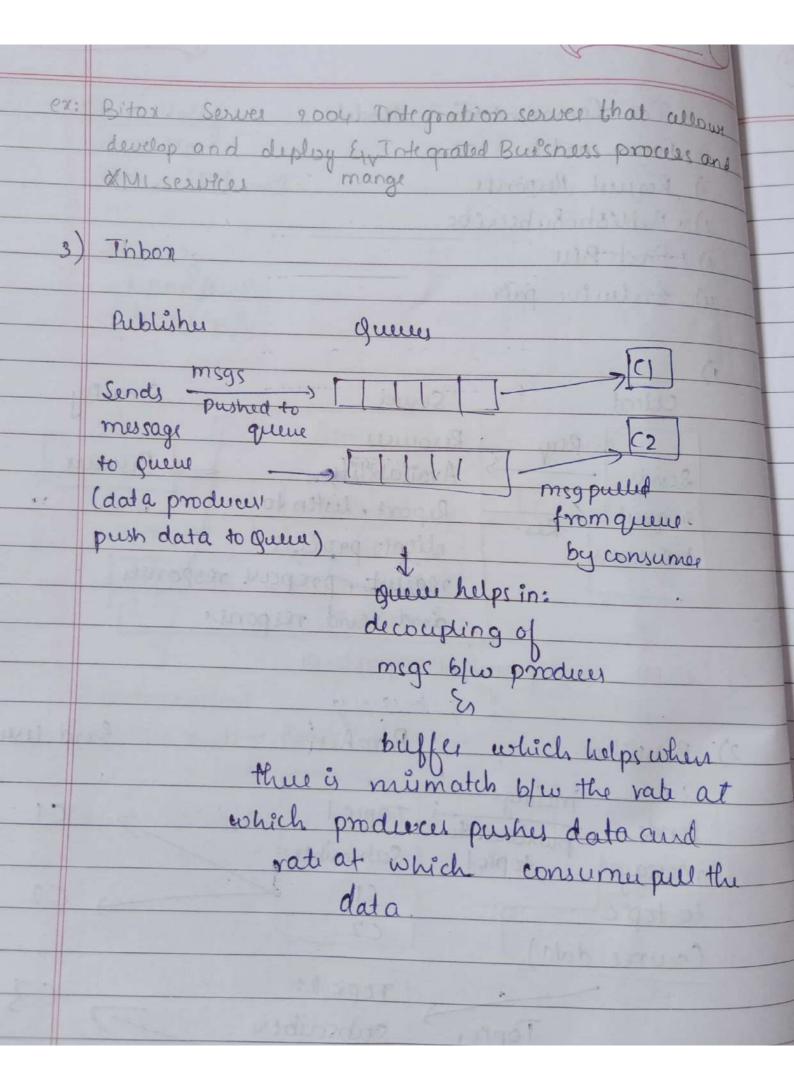
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		Page
	da	and use intelligent interfaces and au seamlisty
	120	and use intelligent interfaces and au seamlusty integrated into info network often communicate
	34.5	data associated with user and their environments
		House thought Estate : The state of the stat
	13	characteristics!
M		Dynamic & sey-adapting
1	7)	Self configuring
T	2)	Interoperable communication protocol
1/	(1)	Unique odeutity
X	1	Integrated into information network.
		Dage no of devices are connected togethe
	1	dépending on temp set Ac degree
1		7 IP URI (uniform resource identifies)
		allows them to communicate & exchange data
П		with others
П		WALLO OLIVERA
Н		
Н		TOT PROTOCOLS:
	-	protocol is a set of rules governing commin blu
1/6	CORIL	compute / networks 2 dwices
		drocular travelly 5.508 (8
		XOMICIAL TOR CO
		31128128 (x

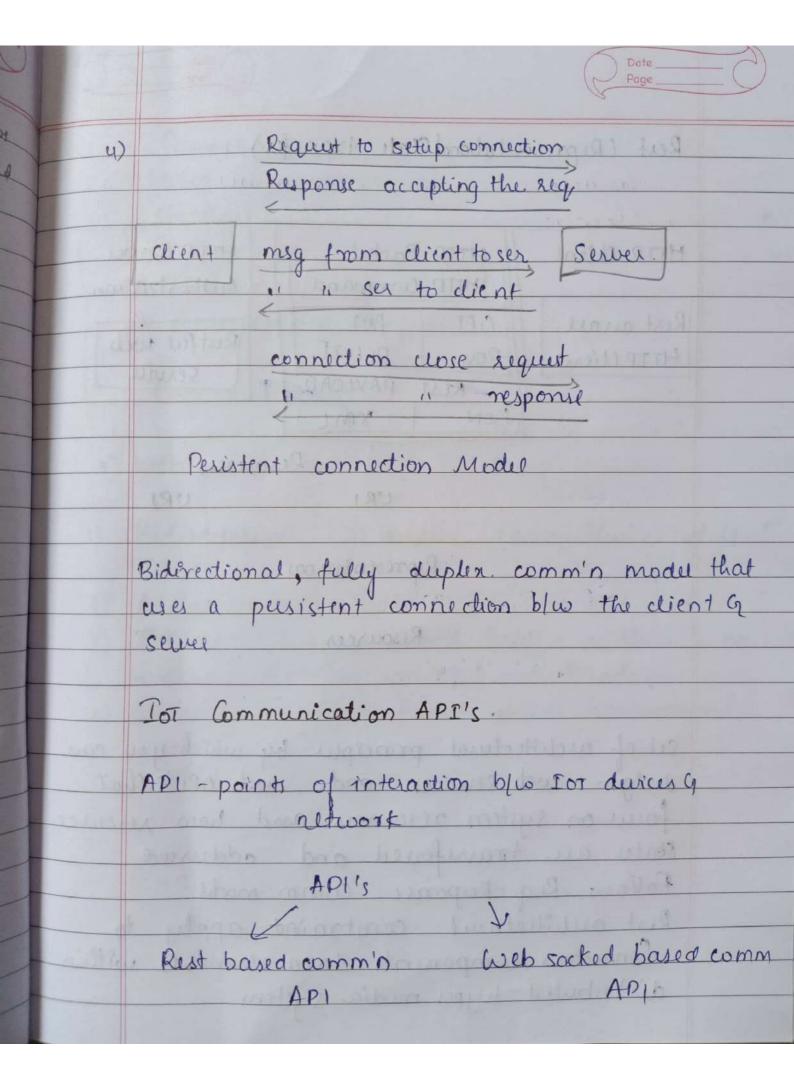
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		TCPIP Model.	
	1.00	IoT stack	web stack
	to a	Network / NEEE 802.15.04 MAC	Ethernet, DSL,
	Intinois	L'nk . IEEE 802. 15. 4 PHY	2 200
		802.3 Ethunet 802.11	
		Internet IPV6/1P Routing	IPV6 IIPV6,
		6 LOWPAN U	IPSeco a
			offmar also or
		Transport DDP/DTLS	TCPLUDP
			in ha measured to
		Monday was known of an atra	balacoskar (*
		Application COAP, MGTT, XMPP	HTTP, DHCP, DNS,
		lage AM gP, DDS,	TLS /SSL
		Web sockets.	
L		Data format Binary, ISON, CBOR	HTML, XML, JSON
		O .	1
-			
-		Link layer	S. Change Colored
1_		802 · II Wifi	
	2)	IRWPAN - low rate wireless.	personal
_	3)	802.3 Ethunet, network.	postal area network
-	a)	802.16 Wi Max	
-	(1)	29/39/LTE	
-		1101/110	3 2

	Network Layer
	The state of the s
1)	TPV6
2)	IPV6
3	6010WPAN
	Tpv6 over low pourer wineless personal area
	network alaland
7	ara Dhub
3 1 1 1	Ap
	coAP - Constraint Application protocol
In the said	MOTT- message queuing telemetry transport xmpp- reterrible messaging & presence
7 1183	xmpr = member mestaging expresere
1244-11	DDS - dada dist'n Services.
12-14-14	Am op- advanced musage queing protocol.
	Ilo interfaces
	VART - Univeral
	SPT - serial purpheral interface
	I2C
	CAN
	Storage
	mmc, SD, SD10
	Audio Nideo Interface
	HDM 1 3.5mm Audio R(A video





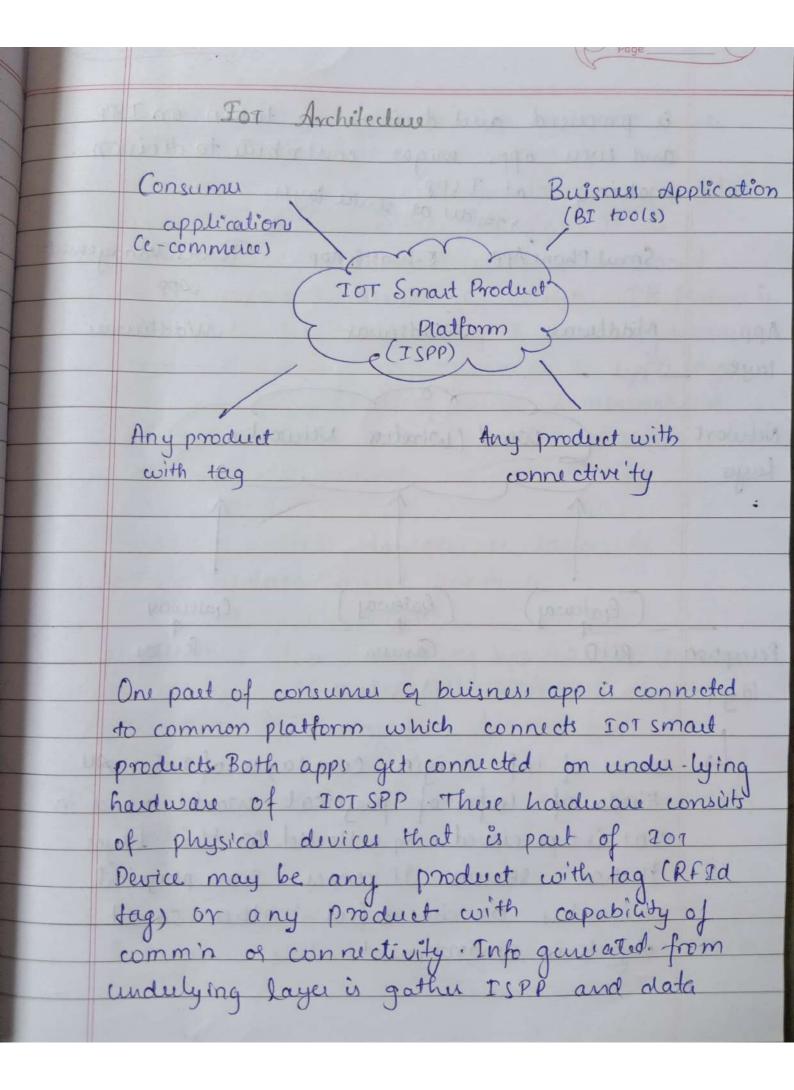


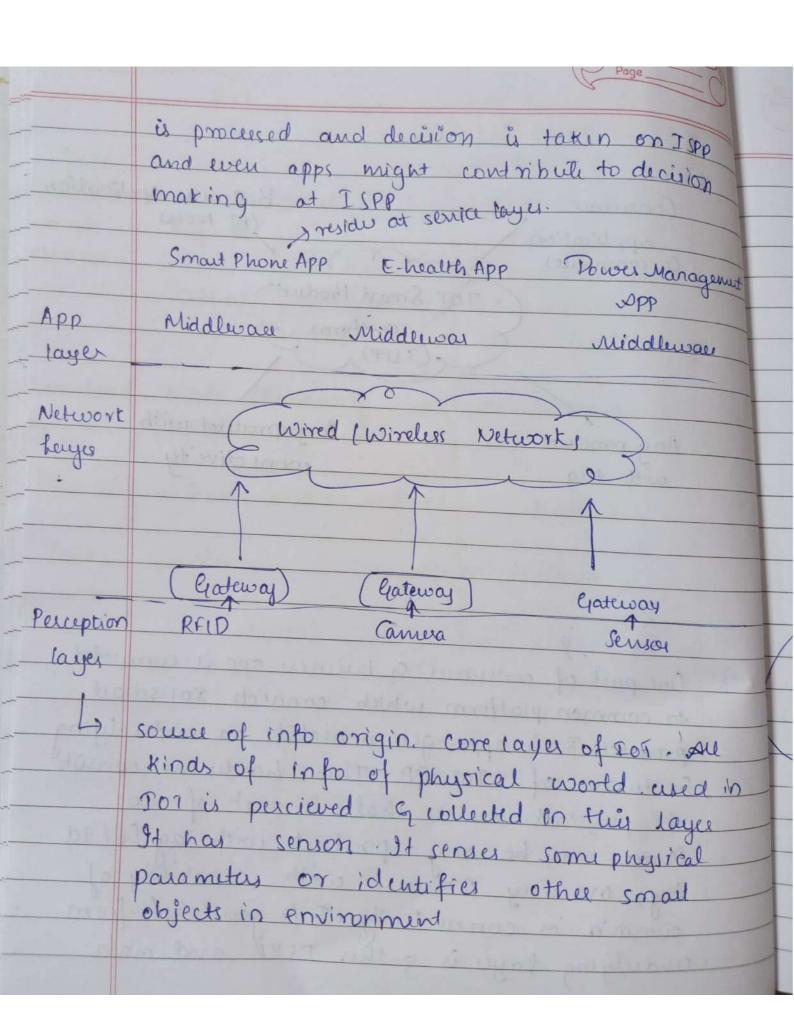


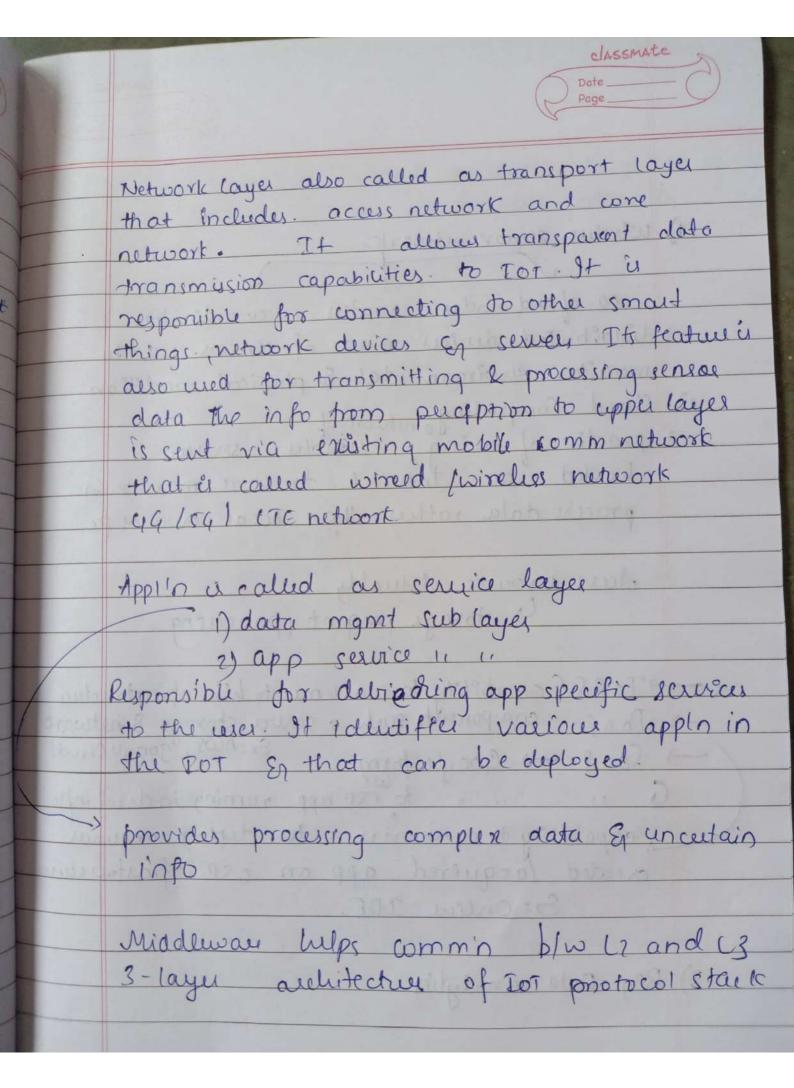
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	data da s	HITP (	command	1,	Authorization
	Rest anoul	CET	PUT		Restful web
	HTTP Went	Post	DELETE	9	service.
		JSON REST	PAYLOAD		
		ikald a	nibianos R	1301	
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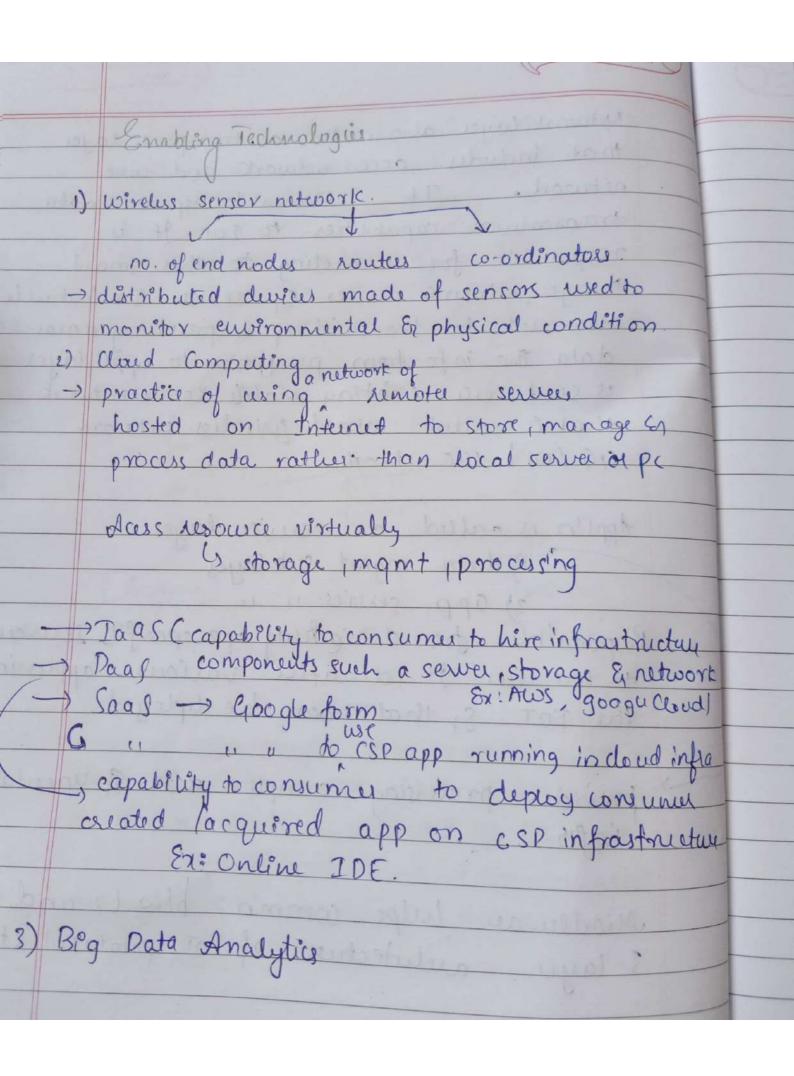
11/1		
1		Constraint:
1		client-Server constraint
1		Stateless
1		Cacheable
1	No.	layered system
1		uniform inteface
1	( Distant	manager al parie l' prance de mandre anno
T		Code on demand
	Twist.	excellent more thanks of the description the
		web
	1)	Bidirectional full duplin comm b/w dient q.
	- )	sower
	2)	
t		Total Calles Me Par
t	3)	Reduces latercy, network traffic as there is no
H		overhead for connection setup and transdown.
H	u)	Eachange of data fram shows bidirectional
		epmm'n
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		THE RESERVE OF THE PERSON OF T
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	Rest	[Web Socket
		as a start meteored.
State	statilis	stateful
direction		Bidirectional.
mode	Rog, res	exclusive pari
TCP conne	each request has	single TCP handshake
	setting up new TCP	for all incoming
	connection	neglising le TCP connection
-	The state of the s	Cade on deman
overhead	more chances of	doesn't involve overhead
	network overhead	of headers.
		U Company of the comp
Scalabity	horizontal in vertical	vertical
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Cost	Low	More
- 199	method silfart trations	
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	But the second second second	
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1	It is collection aronnings a constraint color and or
1.	It is collecting, organizing & analysing large set of data called Big Data to discover pattern co
	other useful info.
	Collected at data washow.
	Charactustis (3V of data)
	G variety velocity volume
	Variety velocity valume
	structures speed at Tera/peta.
	un 11 data is
	serri u processing
	U
	Sensor sense actuator reacts to sensors.
	Mensol control center Actuator.  CTemperature process if 1 tunon
	Ctemperature process if 1 tunon
	Sensor) Treat
	1) Temperature sensor
	2) Proximity sensor - detects presence of reachy objects
	optical " light to electronic signals
	Pres Sur 11
	themidity - moisus, temperatur
	eccleronneter gyrospic « - measure occluation forces
	smote