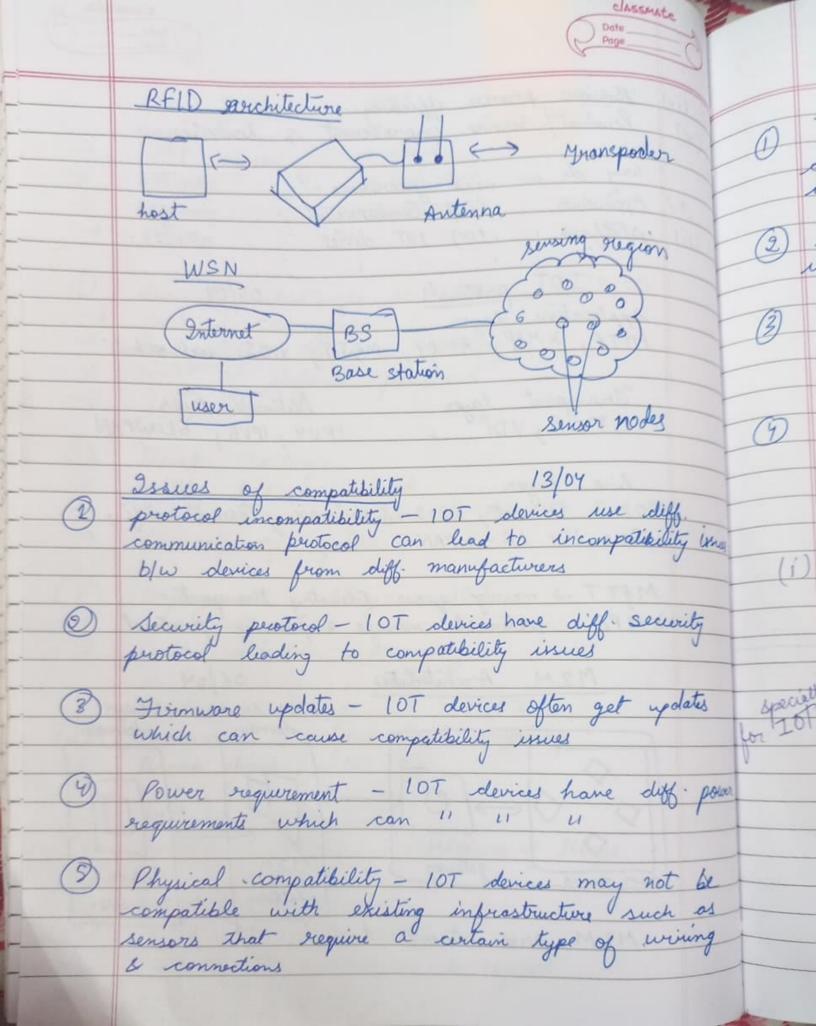
	Date
	Page
	IOT 14/03
	-components
- 3	network -> application
	security - application - week
	gateway
	Security challenges in 10T 16/03
	lack of encryption
	dusufficient tolling o updating
	10T malware password
	malware
- 2	Design Challenges
	Battery life tis limited
	ancreased cost & time to market
	security of system
- (3)	
- 7	Connectivity Challenges in 101
>	Deployement challenges in 10T  connectivity  Data collection & processing
(1)	Sechnical druver 21/03 sensors (iii) cloud computing Block chain (iv) AI
- (i)	sensors (iii) cloud computing
(li)	Block chain (10) AI
-	10T Businous drivers
- (i)	makers of things (11) users of things
- (1)	TOP 10T drivers
	lower operational cost
(11)	Better austomer service & support
(m)	customer acquisition

(iv) Business perocess efficiency (v) Product/ Service improvement & innovation Application (iii) Communication platform (iv) 10T device (11) IOT perotocols

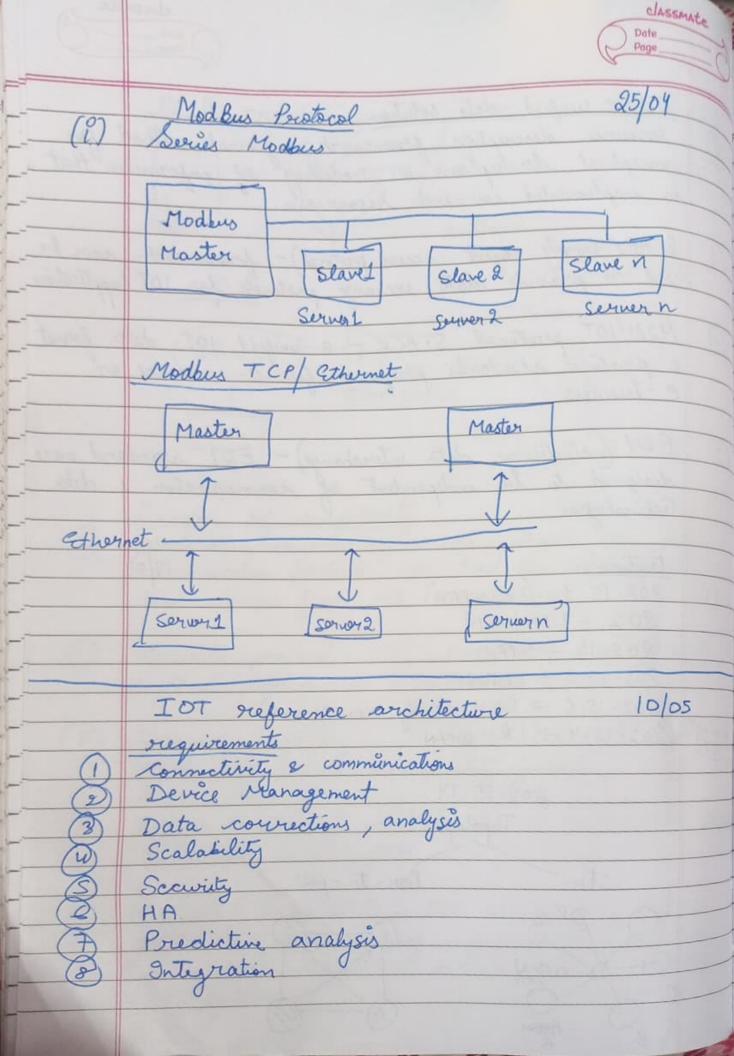
Application layer

HTTP, XMPP, AMPP, MGTT, DDS, websockets Transport layer Network layer
TCP, VDP 1PV4, 1PV6, 6LOWPAN link layer 802.3 Ethernet, 802.16 wi max, 802.11 wi-fi, 802.154 LR-WPAN MOTT -> message queue telemetry transport XMPP - extensible message e presence protocol M2M Architectulae M2M serves user dorrain domain M2M device gateway M2M service platform Service consumer M2M area network domain



Classmate Date UDS - unified data solution

ensource description pramework- general method for
enceptual description or modelling of information that
is implemented in web resources (3) SOAP (simple object access protocol) - framework can be used to provide data exchange protocols for 10T application (3) M2M/10T protocol STACK - a unified 10T data format e protocol standards peroposed for C-commerce or C-business (9) EDI (electronic data interchange) - EDI standard verse designed to be independent of communication a data technologies 19/04 (1) 802-15.4 (LR-WPAN) 802-LAN (WAN) 802.15 - WPANS 802-15.1 → Blueboth becieft 802. 15.6 -> BAN (Body area Network) 802,15,14 Topologies Pear - to - pear B) C)



classmate I OT reference model OT functional model functional model 10 T information model I OT domain model Application FG IOT Business process management Virtual Entity F.G I DT service F.G Comminication & G Device F.G