NAMET - DABEA KULUN ZUNZEEN CLASS 1- B.E-4 ROLL NO: - 04 BATCH :- A. SUBJECT :- MCC ASSIGNMENT !-2 -8.1. Octive piconet. Describe Blutooth protocal stack with the help of gio dian . 1) Piconet is a collection of Bhutoath durius which are synchronized to the same hopping sequence. @ Each pixopet has one dwin called Moster (M), All other divius called slaves (s) are connected to master 3 The moster determine the hopping organice in the pironet and all slaves have to synchroduize to this pattern. If a durice wants to participate it has to synchronize to this. Nidio apps. NW apps. I vial viard Telephony apps | nanogument apps UBEK 1cp/upp AT moder Tes Commends BIN lantral SOP .TP 119 DNEP RECOMM [sortal line interpace) logical link control and adaption Protocal Audia Link manager Host Controller Interpret Basiband Bluetooth protocol stack. www, A1~

where AT - Atten Hon Sequence opex - object - exchange Tes BIN - Telephony control protocol specification - bluary. Radio Layor. cis Ratio Layer defines the revoier fraguncy and output power. (ii) Bhutooth usic 2.4 GHz license frow band. (iv) Gaussian FSK used for modulation. Basiband Layer. iis Define physical links and many packet formats. cii | Busiband layer perform brug. hopping to avoid interfounce and to access the medium. cins It contocols: @ Device addressing @ Power-saving operation (3) Flow contriol and synchronization amond Bhutooth duricus . Link Manager Protocol. (LMP) eis TRELMP manager various aspects of the nadio link b/w master and slave (ii) The following func covered in LMP.

O Authoritication , paring & energyton (a) lapability nigotto-Hon!
(3) Synch nonization. 1 Link Supervision. 3 State and Transmission exchange Lopical Link Conford and Adaptation Layer (LZCAP) ci) LECAP is layered over the Baseband Protocol and reduced in the data link layer.

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(ii) L2 CAP pravidu.

(i) Group abstraction

@ signentation and reassembly operation

(3) Connection - oriented and connectionles data survive to upper layer protocol with protocol multiplicing capability

Host Control Interface LHCI).

- controller and link manager.
- (ii) It provides access to hurdware status and control rigisters.
- Host Contraller. 3 sections, The Host, Transport Layer,
 - (iv) HII can be seen as software/hardware boundary

RFCOMM .

- the LZCAP protocal.
- (iii) The protocol is based on the ETSI chandwid TS 07.10.

 (iii) It supports multiple single part over a single

 physical channel.

Survice Discovery Protocol (508).

- ci) The SPP helps the application to discover which survives or available and to determine the characteristics of those available services.
- this usage.

(iii) New sorvius is discovered as follows.

- O client sends a request to search for an intousted survius
- D'The client use this list to retrieve additional sorvice allow bute for the sorvice of interest.
- Answer:
 - tries to keep micro mobility support as transparent as possible for both home agent and MN.

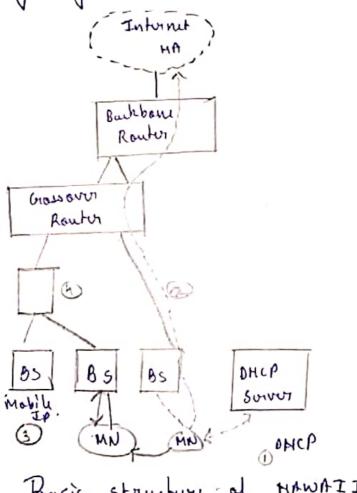
working:

Step1: On entring on HAWAII domain, a mobile node obtains a co-located con.

Step 2:- MN registers with the HA.

Step 3: When MN moving another cell inside the foreign domoin . the MN sends a registration request to the new base Station as to a furify agent!

Step 4: - The base station interprets the registivation request and sends out a handoff update musage, which su configures all noutres on the paths from the old and new base station sends a registration suply to the MN, again as if it were a bowing agent.



Busic structure of HAWAII

Q.3. What is EPS? Name the various Entity in detail. Explain Mobility Management

Auswur (1) EVS stands for Evalved Packet System.

(ii) It include the Evalved Packet Cover (Epc), the Radio Networks

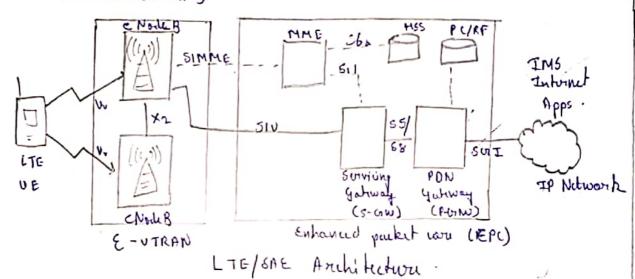
(E-UTRAN) 1 the End User Equipment (UE) and the Services.

Zii) EPS is the board system entirely on packet switching. while heavy UMTS and GSM technology that still uses circuit switching.

MME

is The MME (Mobility Management Entity) deals with the contral plans

(ii) It handles the signaling rulated to mobility and for the trucking and the paging of UE in idli-moder It is the termination point of the Non-Access Stratum (NAS).



Q.4. What is self-organizing Network (SON). Explain in

ANAWUT 1-

cir son stands for Self Organizing Network.

(ii) It means that just add an eNB wherever you want to put and adjust connect power and switch on it would configure all of its configuration by itself and make itself ovody for survives! civisystem approxion construction steps.

1 Nchwork Pluming. @ Bring the hordware (eg. eNB) to the location determined

at Notwork Planning Process.

